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Remedial Investigation Report
Operable Unit 2
NYSEG's Court Street Former MGP Site
Ithaca, New York
NYSDEC Site No.: 7-55-008
Index #: D0-0002-9309



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List of Acronyms

AOC	Administrative Order on Consent
ARARs	Applicable or Relevant and Appropriate Requirements
ASP	Analytical Services Protocol
bgs	Below Ground Surface
BTEX	Benzene, Ethyl benzene, Toluene, and Xylene
CAMP	Community Air Monitoring Plan
cfs	cubic feet per second
CLP	Contract Laboratory Protocol
COC	Constituents of Concern
CRDL	Contract Required Detection Limit
DER	Division of Environmental Remediation
DNAPL	Dense Non-Aqueous Phase Liquid
DPW	Department of Public Works
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Approval Program
ERL	Effect Range Low
ERM	Effect Range Medium
EVS	Environmental Visualization Software
FSAP	Field Sampling and Analytical Plan
FEMA	Federal Emergency Management Agency
FOIL	Freedom of Information Law
FS	Feasibility Study
FSAP	Field Sampling and Analytical Plan
FWIA	NYSDEC Fish and Wildlife Impact Analysis
GPS	Global Positioning System
HASP	Health and Safety Plan
HSA	Hollow-stem Augers
ICP	Inductively Coupled Plasma
I.D.	Inner Diameter
IDW	Investigation-derived Waste
IRM	Interim Remedial Measure
LCS	Laboratory Control Standard
LNAPL	Light Non-Aqueous Phase Liquid
MS	Matrix Spike
MSD	Matrix Spike Duplicate

mg/Kg	Milligram/Kilogram
MGP	Manufactured Gas Plant
MTBE	Methyl tert-butyl ether
NAD83	North American Datum of 1983
NAVD88	North American Vertical Datum of 1988
NAPL	Non-Aqueous Phase Liquid
NAVFAC	Naval Facilities Design Manual
NAWQC	National Ambient Water Quality Criteria
NCP	National Contingency Plan
NTUs	Nephelometric Turbidity Units
NYS	New York State
NYSASP	New York State Analytical Services Protocol – July 2005
NYSCC	New York State Canal Corporation
NYSDOH	New York State Department of Health
NYSDEC	New York State Department of Environmental Conservation
NYSEG	New York State Electric and Gas Corporation
NYSWQS	New York State Water Quality Standards
O.D.	Outer Diameter
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PID	Photo-ionization Detector
PLS	Professional Land Surveyor
PSE	Preliminary Site Evaluation
ppb	Parts per Billion
PPE	Personal Protective Equipment
ppm	Parts per Million
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
QA/QC	Quality Analysis/Quality Control
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
ROW	Right-of-Way
RPD	Relative Percent Difference
Sanborn	Sanborn Fire Insurance Map
SCGs	Standards, Criteria and Guidance

SCOs	Soil Cleanup Objectives
SOPs	Standard Operating Procedures
SRI	Supplemental Remedial Investigation
SVI	Soil Vapor Intrusion
SVOCs	Semi-Volatile Organic Compounds
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOC	Total Organic Carbon
TOGS	Technical Operation Guidance Series
TPAH	Total Polycyclic Aromatic Hydrocarbons
µg/L	Micrograms per Liter
U.S. EPA	United States Environmental Protection Agency
USCS	Unified Soil Classification System
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

Executive Summary

Introduction and background

This Remedial Investigation (RI) Report has been prepared for New York State Electric and Gas Corporation (NYSEG) by AECOM Environment (AECOM) for off-site properties related to a former manufactured gas plant (MGP) Site ("Site") located on West Court Street in the City of Ithaca, New York (Court Street Site).

The Site is the location of a former MGP that was operated by the Ithaca Gas Light Company and the Ithaca Gas and Electric Company. NYSEG acquired the plant in 1929 and operated an electric operation center until 1964.

The Site was divided into two operable units to facilitate investigations at portions of the Site while evaluating remedial options at other portions. Operable Unit 1 (OU-1) consists of the former MGP property and the wooden duct as far west as Meadow Street. Operable Unit 2 (OU-2) consists of any off-site properties that may have been impacted by the subsurface migration of MGP materials directly from the Site. This RI report presents the data obtained during the investigation of OU-2. OU-2 has been divided into three areas: Area 1, which consists of the off-site properties in the vicinity of the former plant Site; Area 2, which consists of properties located along Washington Street; and Area 3, which consists of the Cayuga Inlet Site and any remaining portions of the wooden duct system and associated properties along West Court Street.

The scope of work for the RI included subsurface soil boring installation and sampling, monitoring well installation and development, groundwater sampling, dense non-aqueous phase liquid (DNAPL) baildown testing, and soil vapor intrusion (SVI) sampling.

The fieldwork for the RI was performed using procedures described in the New York State Department of Environmental Conservation (NYSDEC) approved document entitled "*Remedial Investigation Work Plan, Rev 01, NYSEG's Ithaca Court St. Former MGP Site, Operable Unit 2, Ithaca, New York, NYSDEC Site No.:7-55-008*" (RI Work Plan), dated November 2009 [AECOM, 2009a].

RI objectives

The objectives of the RI were to collect additional data to more completely determine the subsurface characteristics of the Site, to further define the potential routes of off-site migration from on-site sources of MGP-related residuals, to perform an exposure assessment to evaluate the pathways by which a human receptor may be exposed to a MGP-related residual, and to obtain sufficient data to facilitate the selection of remedial actions to address MGP-residuals at the Site.

RI work performed

The RI associated fieldwork began on February 8, 2010 and consisted of subsurface soil boring installation and sampling, monitoring well installation and development, groundwater sampling, DNAPL baildown testing, and SVI sampling.

RI results

Five stratigraphic units were identified at the Site. A layer of historic fill material is observed in all areas of the Site. The fill material is comprised of gravel; brown medium to coarse sands; and some wood, glass, brick fragments, ash, and cinders. Beneath the fill is a silty sand unit that is composed of tan-gray fine sand and silt with trace organics. Locally, beneath the silty sand is a gravel unit that is comprised of medium to coarse gravel with little fine sand and silt. Beneath the silty sand or gravel where present, lies a gray silty clay unit. It appears likely that the silty clay which underlies the Site is acting as a confining unit. A gray sand and gravel unit was identified beneath the silty clay at several locations. Groundwater is present at depths ranging between 3 and 6 feet below the ground surface (bgs). The flow direction for groundwater in the shallow aquifer underlying the Site is from the southeast to northwest.

Coal tar is present in localized areas of subsurface soils at the Site. Coal tar contains many organic compounds, a number of which have toxic properties and are regulated by the NYSDEC. These compounds include benzene, toluene, ethylbenzene, and xylenes (BTEX), and a more general class of organic compounds known as polycyclic aromatic hydrocarbons (PAHs). These two groups of compounds proved most useful in characterizing the nature and extent of MGP-related impacts.

During field activities performed in 2010, MGP-related impacts (i.e coal tar or coal tar non-aqueous phase liquid (NAPL)) were observed in 19 of the 30 Area 1 borings (Figure 3-2). With the exception of some isolated sand lenses, these impacts appear generally limited to the gravel unit, which extends to the west and north of OU1. It is likely that the gravel unit is a conduit for the migration of MGP residuals from OU1 and the underlying silty clay is acting as a confining layer, limiting the downward migration of MGP residuals.

MGP-related impacts were observed at six Area 2 boring locations (Figure 3-3). Impacts were only observed at boring locations along the west side of Washington Street and in close proximity to the utility corridor. Trace coal tar NAPL stringers, NAPL blebs, or sheen were observed in very thin, isolated sand lenses and/or root channels within the silty clay unit.

Benzene was detected at concentrations greater than the groundwater standard of 1 µg/L in the samples from two of the 15 wells sampled in Area 1 (MW11S - 5 µg/L and MW44S - 12 µg/L). One PAH compound, acenaphthene was detected in the groundwater sample at a concentration of 82 µg/L, which was greater than the groundwater guidance value of 20 µg/L.

BTEX compounds were detected at concentrations greater than their respective groundwater standards in the samples from three of the 23 wells sampled in Area 2. The total BTEX concentrations detected in these wells ranged from 12.17 µg/L at MW39 to 2,972 µg/L at MW46S. In groundwater samples collected from Area 2 monitoring wells, two PAH compounds, acenaphthene and naphthalene were detected at concentrations greater than the respective groundwater guidance values of 20 µg/L and 10 µg/L. Total cyanide was detected at a concentration greater than the standard of 200 µg/L in one Area 2 groundwater sample, MW22S (384 µg/L).

DNAPL was observed to accumulate in the sump for one well, RW5. Three draw-down tests were performed that consisted of removing the NAPL in the well sump with a peristaltic pump. NAPL was observed to accumulate in the well sump at an average rate of 0.42 feet per day (Figure 5-3).

Several VOCs were detected in both the soil vapor and upwind ambient air samples at concentrations slightly greater than the respective 75th percentile values. However, these results are likely representative of urban background conditions and are not indicative of MGP-related impacts. Data obtained during the 2010 field activities, were interpreted along with data collected during previous sampling events in order to create a thorough conceptual site model.

Human health exposure assessment

A qualitative human health exposure assessment was performed for Area1 and Area 2. Several surface soil samples, including local background samples collected in previous investigations had exceedances of soil cleanup criteria for individual PAH compounds. Although some PAH compounds were detected at levels greater than the cleanup objectives, based on the forensic analysis, the PAHs appear to share a common source with those identified in the background samples and are likely not MGP-related. Since MGP-related impacts were not observed in the surface soils, the potential for exposure to pedestrians is considered to be low.

Outdoor Subsurface Utility Workers may potentially be exposed to COC in subsurface soil and groundwater via incidental ingestion, dermal contact, and inhalation of volatiles or particulates if subsurface excavation work is needed to install or repair underground utility lines or equipment in Area 1 and Area 2. Potential remedial actions to manage the impacted media in these areas will be evaluated in the FS.

Since MGP-related impacts were not observed in the surface soils, the potential for exposure to pedestrians is considered to be low.

Based on the sampling performed during the RI, it does not appear that a Fish and Wildlife Impact Analysis (FWIA) is necessary for OU-2 of the Court Street MGP Site. OU-2 is located within a mix of residential and commercial property with no fish and wildlife resources. Also, observed tar-impacted soil is limited to the deeper soil interval (i.e. >5 feet bgs) in OU-2, and therefore is unlikely to present an exposure risk to an ecological receptor.

Conclusion

With the observations and data presented in this report, and the previous investigations performed at the Site, NYSEG has performed an evaluation of conditions on the Site and the adjacent properties, and thereby adequately fulfilled the specifications for a remedial investigation as outlined in the Order on Consent, Index # D0-0002-9309. Following approval of this report by the NYSDEC, a Feasibility Study (FS) of remedial options will be prepared to identify methods that may be used to address the MGP-impacted media. The evaluation will review potential remedial actions for both Area 1 and Area 2 of the Site, and will address subsurface soil, groundwater, and soil vapor.

1.0 Introduction

This Remedial Investigation (RI) Report has been prepared for New York State Electric and Gas Corporation (NYSEG) by AECOM Environment (AECOM) for off-site properties related to a former manufactured gas plant (MGP) Site (Site) located on West Court Street in the City of Ithaca, New York. The Site is the location of a former MGP [NYSDEC Site No. 7-55-008] that was operated by the Ithaca Gas Light Company and the Ithaca Gas and Electric Company. NYSEG acquired the plant in 1929 and operated an electric operation center until 1964. The MGP property is currently owned by the Ithaca City School District and its remediation is almost complete.

In April 2002, the Site was divided into two operable units to facilitate further investigations at portions of the Site while evaluating remedial options at other portions. Operable Unit 1 (OU-1) consists of the former MGP property and the (former) wooden duct as far west as Meadow Street. Removal of the wooden duct between the former MGP property and Meadow Street occurred from 2003-2005. The former MGP property portion of OU-1 is bound by steel sheet piling on the north, south, and west sides and remediation of the Site is currently ongoing. Operable Unit 2 (OU-2) consists of any properties outside of the sheet piling that may have been impacted by the subsurface migration of MGP materials directly from the former MGP property. OU-2 also includes the remaining portions of the wooden duct system and any properties that may have been impacted by potential tar releases from the ducts. This RI report presents the data obtained during the investigation of OU-2 during 2010, as well as a summary of the data obtained during previous investigations. Further, this RI report incorporates the complete data set to develop the conceptual site model.

The remedial investigation was conducted pursuant to a Multi-Site Order of Consent between NYSEG and the New York State Department of Environmental Conservation (NYSDEC), Index # D0-0002-9309, which was executed on March 25, 1994, and in accordance with applicable guidelines of the NYSDEC, the New York State Department of Health (NYSDOH), the United States Environmental Protection Agency (U.S. EPA) and the National Contingency Plan (NCP).

The fieldwork for the RI was performed using procedures described in the NYSDEC-approved document entitled "*Remedial Investigation Work Plan, Rev 01, NYSEG's Ithaca Court St. Former MGP Site, Operable Unit 2, Ithaca, New York, NYSDEC Site No.:7-55-008*" (RI Work Plan), dated November 2009 [AECOM, 2009a]. Four companion documents were prepared to detail additional procedures and protocols for the RI. A Field Sampling and Analytical Plan (FSAP) [AECOM, 2009b] described the procedures to be used for the RI fieldwork. A *Quality Assurance Project Plan (QAPP)* [AECOM, 2009c] specified the field and laboratory quality assurance/quality control procedures. A *Community Air Monitoring Plan (CAMP)* [AECOM, 2009d] provided procedures to be used for the monitoring of airborne constituents during the invasive sampling tasks conducted during the investigation. A Health and Safety Plan (HASP) [AECOM, 2009e] provided the health and safety procedures required to minimize potential risk to AECOM and contractor personnel involved with implementing the RI fieldwork.

1.1 Purpose of report

The objectives of the RI included the following:

- To collect additional data to more completely determine the subsurface characteristics of the Site;
- To more completely determine the nature and extent of subsurface MGP-related residuals that are present at the Site and surrounding areas;
- To provide a complete presentation of the data collected from OU-2;
- To further define the potential routes of off-site migration from on-site sources of MGP-related residuals;
- To perform an exposure assessment to evaluate the pathways by which a human receptor (either on-site or off-site) may be exposed to a MGP-related residual; and
- To obtain sufficient data to facilitate the selection of remedial alternatives as part of the FS to address MGP-residuals at the Site.

1.2 Scope of work

The scope of work for the RI included the following:

- Subsurface utility clearance;
- Subsurface soil boring installation and subsurface soil sampling;
- Monitoring well installation and development;
- Groundwater sampling;
- DNAPL baildown testing;
- Soil Vapor Intrusion (SVI) sampling;
- Site surveying;
- Management of investigation-derived wastes; and
- Reporting of data collected in 2010 as well as previous investigations

1.3 Report organization

This report is organized into nine sections following this introduction, as follows:

- **Section 2** describes the Site, previous investigations, and remedial work performed at OU-2.
- **Section 3** describes the RI field investigation activities performed at the Site.
- **Section 4** summarizes information regarding the Site's topography, geology, hydrology, and the observed extent of MGP-related residuals.
- **Section 5** summarizes the results of the laboratory analyses for environmental media sampled during the investigation.
- **Section 6** presents a qualitative human health exposure assessment for the Site.
- **Section 7** presents the conclusions for the investigation performed at the Site.

- **Section 8** presents recommendations for additional actions.
- **Section 9** provides a list of references cited in this report.

Tables, figures, and appendices are presented immediately following the report text.

Appendices to the report include the following:

- **Appendix A** –Borelogs and well construction diagrams for the RI and the previous investigations performed at the Site.
- **Appendix B** – The chain-of-custody records for the samples analyzed during the RI and a Data Usability Summary Report (DUSR), including the validated laboratory Form I report sheets (compact disk (CD-ROM)).
- **Appendix C** – The full NYSDEC Analytical Services Protocol (ASP) Category B deliverable data package (CD-ROM).
- **Appendix D** – Reports discussing the previous investigation and remedial work performed at the Site (CD-ROM).

2.0 Site description and history

This section presents a description of the Site, information regarding Site ownership and operational history, and the results of the previous investigation and remedial work performed.

2.1 Site description

The Court Street Site is located in Tompkins County in the City of Ithaca, New York. The location of the Site is shown on Figure 2-1. NYSEG's predecessors operated a coal gasification plant at OU-1 from 1853 to 1927. The plant occupied the western portion of the block bound by Esty Street on the north, North Plain Street on the west, and Court Street on the south. The gas plant had two coal sheds, a gas house containing three horizontal retorts, purifiers, two steel gas holders, two underground coal tar storage vessels, a tar separator, and two oil tanks. A subsurface wooden duct system, consisting of two wooden ducts and clay tile lines and located along West Court Street, was formerly used to transport coal tar from the MGP to the Cayuga Inlet site. The Cayuga Inlet site was used by NYSEG's predecessors as a distribution terminal for coal tar by-products and operated as a receiving point for coal from 1909 to 1927 (NYSEG, 1999). The Cayuga Inlet site is bounded to the west by the Cayuga Canal and to the east by the southbound lanes of State Routes 13 and 34. The Cayuga Inlet site formerly contained a subsurface tar well, two six-inch diameter steel pipes, and portions of the wooden duct system (NYSEG, 1999).

NYSEG acquired the MGP plant property in 1929 and operated an electric operation center until 1964, when the property was sold to the Ithaca City School District. As discussed in Section 1.0, the Site was divided into two operable units, OU-1 and OU-2 in April 2002. A Site Plan is presented on Figure 2-2. As shown on Figure 2-2, OU-2 has been divided into three areas: Area 1, which consists of the off-site properties in the vicinity of the former plant Site; Area 2, which consists of properties located along Washington Street; and Area 3, which consists of the Cayuga Inlet Site; as well as any remaining portions of the wooden duct system and associated properties along West Court Street.

Areas 1 and 2 of OU-2 are located within residential areas that consist of residential buildings, grass-covered areas, sidewalks, asphalt-covered areas (predominantly streets and driveways), and overhead and subsurface utilities. The locations of the subsurface utilities in OU-2 are shown on Figure 2-3. Area 3 of OU-2 is located within a mixed-use zone that includes both residential and commercial properties. To the north of West Court Street, Area 3 is occupied primarily by commercial properties while the south side of West Court Street is largely occupied by residential properties.

2.2 Previous investigation and remedial work

From October 2001 through March 2002 NYSEG conducted a Supplemental Remedial Investigation (SRI) at OU-2. The purpose of the SRI was to locate the wooden duct system that ran beneath West Court Street, investigate the contents of the ducts, investigate the nature of the bedding material in the vicinity of the ducts, and to characterize the nature and extent of any contamination that may have been released and migrated from the ducts and the former MGP plant property. The fieldwork conducted during the SRI included the collection of surface and subsurface soil samples, the completion of soil borings, the installation of monitoring wells, and the analysis of soil and groundwater samples. The results of the SRI were submitted to the NYSDEC in a report titled *Interim Draft Supplemental Remedial Investigation Report for Operable Unit -2* dated August 27, 2002 (MWH Americas, Inc., 2002). Visual evidence of coal tar or coal tar non-aqueous phase liquids (NAPL) combined with the analytical results indicated that MGP-related impacts to subsurface soils were present along Washington Street and at West Court Street near the intersection of Washington

Street (i.e. Area 2). The impacts observed along Washington Street were located in proximity of the municipal sewer line. Analytical results for groundwater samples collected during the SRI identified MGP related compounds in the shallow aquifer along West Court Street and along Washington Street. Additional investigations were recommended to evaluate the extent of groundwater impacts observed along Washington Street. Visual evidence of MGP-related impacts was also observed in borings advanced to the north and west of OU-1 (i.e. Area 1).

During October 2002, April 2003, and March 2005 NYSEG implemented residential air monitoring programs to evaluate and delineate any potential air exposures due to MGP related materials. All residences within 100 feet of tar-like materials identified during the SRI were selected for sampling. A total of 173 air samples, which included a combination of sub-slab, indoor air, and ambient air samples, were collected from residences and the Markles Flats food storage area (within OU-1) during the implementation of the air monitoring programs.

During March 2009, twenty three additional soil vapor and indoor air samples were collected to evaluate soil vapor and indoor air quality at residences located in the vicinity of the wooden duct system along West Court Street, between Fulton and Meadow Streets. One sub-slab and two indoor air samples were also collected at a residence along Washington Street during the March 2009 sampling event. The air samples were analyzed by USEPA Method TO-15. No formal reports were completed as a result of these sampling events, however, the laboratory data and Data Usability Summary Reports (DUSRs) were provided to the NYSDEC and New York State Department of Health (NYSDOH) and data specific to individual properties were provided to the property owners. MGP impacts were not observed to significantly impact indoor air quality at these locations.

Based on the results of the SRI, 28 additional surface soil samples were collected from OU-2 during May 2003. The results of the surface soil sampling were provided to the NYSDEC for use in evaluating the results from OU-2 as compared to polycyclic aromatic hydrocarbons (PAHs) in background of an urban environment. With the exception of one sample, all of the samples contained at least one PAH in a concentration greater than the cited corresponding NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 soil cleanup objective. However, it was concluded that it is unlikely that surface soil quality was impacted by the former MGP and that these PAHs are presumably the result of anthropogenic sources, such as automobile exhaust, asphalt, or incomplete combustion of wood. These sources are indicative of background urban PAH impacts.

Based on the review of previous investigations of OU-2, a Phase II investigation was implemented to close data gaps. Between March and June of 2004, twenty four soil borings and 18 monitoring wells were installed in OU-2. Groundwater samples were collected from 8 previously installed monitoring wells and the 18 newly installed monitoring wells. Seven direct-push groundwater grab samples were also collected. According to the 2006 data review completed by MWH, a summary report titled *Phase II OU-2 Data Summary* dated September 13, 2004 was submitted to the NYSDEC (MWH Americas, Inc., 2006). With the exception of one sample, which contained two PAHs in concentrations greater that the cleanup objectives, none of the subsurface soil samples contained constituents of concern (COCs) in concentrations greater than their respective NYSDEC TAGM 4046 soil cleanup objectives. Strong hydrocarbon-like odors, NAPL, and NAPL stringers were observed during the installation of several soil borings. Of the groundwater samples collected from the 26 monitoring wells, five contained benzene, ethylbenzene, toluene, or total xylenes (BTEX) and PAHs in concentrations greater than the NYSDEC groundwater standards.

Three test pits were excavated in October of 2004 to evaluate the possible conduits for NAPL along Park Place and Washington Street, and to investigate the wooden duct system along West Court Street between Meadow Street and the Cayuga Inlet. No MGP-related impacts were observed in the test pit excavated along Park Place. Slight hydrocarbon-like odors were noted and NAPL was observed in the silty clay within a sand lens during the excavation of the test pit along Washington Street. During the excavation of the test pit along Court Street, a wooden duct, an 8-inch diameter clay pipe, and a 6-inch diameter steel pipe were identified.

Stained soils and MGP-like odors were identified in the vicinity of the wooden duct and pipes. Horizontal and vertical migration of tar by-products appeared to be limited to soils in close proximity of the wooden duct and pipes.

Between June and August of 2009, several Site visits were conducted to observe and document a gravel unit that was identified during an excavation performed as part of the OU-1 remediation activities. The gravel unit was identified along the northern boundary of the Site approximately 150 feet east of North Plain St. The approximate location of the gravel unit is shown on Figure 4-2 and Figure 5-1. The gravel was observed from 13.5 to 18.5 feet below ground surface (bgs). A compact clay unit was identified underlying the gravel. Pockets of NAPL were observed throughout the gravel unit along the northern boundary of the Site. Impacts were not observed in the underlying clay. These observations were summarized and provided to the NYSDEC in memorandums dated July 2, 2009, August 6, 2009, August 18, 2009, and January 8, 2010.

2.3 Interim remedial measures

Between February and April of 1999, NYSEG implemented Interim Remedial Measures (IRM) at the Ithaca Cayuga Inlet Site to limit potential exposure to MGP residuals and to limit potential future impacts to groundwater. The IRM consisted of the excavation and disposal of a coal tar collection well and associated materials. The IRM also included the excavation and disposal of approximately 1,500 tons of impacted soil and debris in the vicinity of the former tar well. A portion of the wooden duct system was identified during the excavation activities. The wooden duct system was removed from the Cayuga Inlet to the east side of the Cayuga Inlet Site (NYSEG, 1999). At the eastern property line, the duct was cut and plugged with grout. Post excavation soil samples were collected from the side walls and floor of the excavation to demonstrate the reduction in concentrations of PAHs, volatile organic compounds (VOCs), and heavy metals typically associated with MGP residuals.

Between October 2003 and September 2005, NYSEG implemented a portion of the OU-1 Record of Decision (ROD) by excavating, removing, and disposing of two subsurface wooden ducts and clay tile pipes along West Court Street, from the intersection of Meadow and West Court Streets to the former MGP Site at the intersection of West Court and North Plain Streets. Concurrently, NYSEG also implemented an IRM that included the excavation and removal of impacted soil on Washington Street, between West Court and Cascadilla Streets. The locations of the excavations are shown on Figure 2-2. Approximately 41,000 tons of impacted soil and 750,000 gallons of water were removed and disposed of offsite during the implementation of the ROD and IRM. Post excavation soil samples were collected to demonstrate the reduction in concentrations of MGP residuals. The results of the field activities were submitted to the NYSDEC in the *Interim Remedial Measures Final Engineering Report*, dated April 2007 (NYSEG, 2007).

3.0 2010 Investigation activities

This section provides a description of the activities performed during the RI, and the methods used for conducting the fieldwork. Unless otherwise noted in the following sections, the procedures used were consistent with the methods and procedures described in the NYSDEC-approved RI Work Plan, FSAP, QAPP, and CAMP. Each field activity performed during the investigation, grouped by field task or environmental media, is described in the following sections. The RI sample locations, and the locations of the samples collected during the previous investigations, are shown on Figure 3-1.

3.1 Subsurface utility location

Subsurface utilities were located prior to starting the invasive subsurface investigation work. The utility locating was initiated by contacting Dig Safely New York. Each entity that had subsurface utilities present in the investigation area marked-out their utility lines prior to the initiation of the subsurface work. The subsurface utilities are shown on Figure 2-3. Soil borings that were completed in close proximity to subsurface utilities were hand cleared to ensure that utilities were not encountered during the drilling activities.

3.2 Test pit excavations

In the vicinity of the Cayuga Inlet site, located within Area 3, two test pits were planned to be excavated to evaluate subsurface soil conditions and to identify, if present, the location of any remaining wooden ducts and/or clay tile pipes. The planned test pit locations are shown on Figure 2-2. At NYSEG's request, and with the NYSDECs approval, excavation of these test pits was postponed. NYSEG plans to remove remaining portions of the wooden duct system between Fulton and Meadow Street during the fall of 2010. It was decided that the test pits will be excavated concurrently to facilitate a single mobilization. The test pits will be excavated with a backhoe or excavator using methods presented in the FSAP.

3.3 Subsurface soil borings

Fifty-two (52) additional soil borings were advanced in Areas 1 and 2 during the RI to obtain information regarding the thickness and composition of the fill and native soil beneath the Site; the depth to the water table; to observe and screen subsurface soil to identify conditions that may be indicative of impacts by MGP or other residuals and; to install monitoring wells. The locations of the soil borings are shown on Figure 3-1. Summary information for the borings is provided in Table 3-1, including the boring designations, the sample rationale, the depth interval analyzed, and the laboratory analyses completed.

The RI Work Plan included the installation of 37 soil borings. Fifteen additional borings were added as the fieldwork was performed to determine the extent of MGP impacts in several locations. The locations of the additional soil borings are shown on Figure 3-1. The modifications to the RI Work Plan are summarized as follows:

- Coal tar NAPL saturated soils were observed in SB135 on the west side of North Plain Street. Therefore, four additional borings (SB160, SB162, SB163 and SB175) were completed to the north and west of SB135 in order to delineate the horizontal and vertical extent of the tar impacts in this area.
- One additional boring (SB161) was advanced along North Plain Street to further delineate impacts observed at SB52.

- Ten additional borings (SB164 through SB174) were advanced along Esty Street to the north of OU-1 to identify potential conduits for the migration of MGP residuals. The subsurface soil sampling was performed by Aquifer Drilling and Testing (ADT) of New Hyde Park, New York.

The subsurface soil borings were advanced using a mini-sonic drill rig, equipped with a dual tube system. The dual tube system included an over-ride casing and an inner core barrel. The inner core barrel was advanced using high frequency vibration and minimal down pressure. The over-ride casing was then advanced to the depth of the core barrel to prevent borehole collapse and ensure the integrity of the sample intervals. This method allowed for continuous soil samples to be collected from the ground surface to the bottom of the borehole for both field characterization (PID screening and observations), and for the collection of samples for chemical analysis.

The soil samples obtained were logged by a qualified AECOM geologist. Information regarding the presence of fill material or subsurface structures, the nature of each geologic unit encountered, observations regarding moisture content, the results of soil screening performed with a photo-ionization detector (PID), and visual and olfactory observations regarding the presence of MGP residuals was recorded on soil boring logs. The results of the soil classification and field screening are presented on the soil boring logs provided in Appendix A, and on the cross-sectional views of the Site (discussed in Section 4).

3.4 Monitoring well installation

Overburden monitoring wells (MW43S through MW48S) were installed in six of the RI soil borings. The monitoring well locations, shown on Figures 3-2 and 3-3, were selected so that there would be a sufficient number of wells (along with the previously installed wells) to evaluate groundwater conditions in areas that are considered upgradient, cross-gradient, and downgradient of the Site. The groundwater monitoring wells were installed so that the screened interval straddles the most impacted interval (if any) based on the field screening, or the water table. The wells were constructed using a 2-inch diameter Schedule 40 PVC well riser with a 0.02-inch slotted screen, and a 2-foot long sump for monitoring the presence of any dense non-aqueous phase liquid (DNAPL). The construction details for each well are shown on the respective soil boring logs provided in Appendix A.

Recovery wells RW5 and RW6 were installed in two of the RI soil borings to evaluate the potential for NAPL collection in areas downgradient of OU-1. The recovery wells were constructed using a 4-inch diameter Schedule 40 PVC well riser with a 0.02-inch slotted screen, and a 2-foot long sump. The recovery well locations are shown on Figure 3-2. The proposed recovery well for boring RW4 was not installed because no MGP impacts were observed and the potential for NAPL recovery was considered to be very low.

Table 3-2 provides summary information for all the wells (i.e. new and old) installed at the Site including the well designation, the type of well completion, the screened interval, the ground surface elevation at each location, and the elevation of the top of each well riser (in feet above North American Vertical Datum of 1988 [NAVD88]).

3.5 Well development

Each of the RI monitoring wells was developed in order to remove fine-grained sediment and fluid residue from the well and the sand pack and to create maximum well efficiency. A surge-and-pump method was used to develop the wells. A surge block was used to actively surge and agitate the water column by forcing water back and forth through the well screen and sand pack. Following surging, the wells were pumped with a submersible pump.

3.6 Groundwater monitoring

The groundwater monitoring activities consisted of: the collection of depth-to-water measurements to map groundwater flow direction in the investigation area; gauging the wells for the presence of NAPL; and the collection of groundwater samples for laboratory analyses.

3.6.1 Depth-to-water measurements

A complete round of depth-to-water measurements for all Site wells was taken on March 8, 2010. The data obtained is summarized on Table 3-2 and presented on Figure 4-12. Included in the table are the measurements taken at each well and the groundwater elevations, presented in feet above NAVD88. In addition, all new and existing wells were checked for the presence of light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL). DNAPL was observed in the sump of recovery well RW5 from 14 to 16 feet bgs. Neither LNAPL nor DNAPL was observed in any other monitoring or recovery wells at the Site.

3.6.2 Groundwater sampling

The RI groundwater sampling was performed on March 8-10, 2010, after the new monitoring wells were installed, developed, and left to stabilize for a period of approximately 2 weeks. Groundwater samples were collected in accordance with the QAPP and FSAP. Summary information for the groundwater sampling including: the well designations, the sample rationale, and the laboratory analyses performed is provided in Table 3-1.

3.7 Soil Vapor Intrusion (SVI) sampling

Based on observations at SB162, one sub-slab, one indoor air, and one ambient air sample were collected at the residence located at 420 North Plain Street to evaluate soil vapor and indoor air quality.

The sampling and analytical methods used during this investigation were consistent with the document entitled "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, New York State Department of Health," October 2006 [NYSDOH, 2006].

For the sub-slab vapor sample, a helium tracer gas evaluation was performed to ensure the integrity of the vapor sampling seal, and to assess the potential for introduction of ambient air into the soil vapor sample.

The vapor samples were shipped via overnight delivery to Test America Laboratory in Knoxville, TN for volatile organic compound (VOC) analysis by U.S. EPA Method TO-15. Helium was analyzed by ASTM Method D-1946. Additional compounds (i.e. MGP indicator analysis), including naphthalene, indane, indene, thiophene, styrene, 2-methylpentane, isopentane, 2,3-dimethylpentane, isooctane, and methyl tert-butyl ether (MTBE), were also analyzed for to aid in determining potential MGP-related sources from other sources of impact.

3.8 Community air monitoring

Community air monitoring was performed to provide real-time measurements of total VOCs and particulate (airborne dust) concentrations in air at the downwind perimeter of each designated work area when intrusive investigation activities were in progress at the Site. The procedures followed methods described in the CAMP [AECOM, 2009d]. Additionally, Site personnel monitored the perimeter stations to determine if any odors were being produced as a result of the intrusive sampling activities. The monitoring was designed to provide protection for the downwind community, such as those present at the adjacent public areas and commercial properties, from potential releases of airborne constituents resulting from the investigation activities.

Total VOCs and particulates were monitored with a PID and dust meter, respectively, located upwind and downwind of each work zone. The VOC and particulate levels at each location were recorded on field forms every 15 minutes. The PIDs and dust meters were also set to log information continuously throughout the work day. The specific action levels for VOCs and particulates are provided in the CAMP. Action levels were not reached as a result of the intrusive investigation activities at any time during the RI, so no response actions were necessary.

3.9 Site survey

The location of each investigation sample point was surveyed by NYSEG's survey crew, along with other important Site features. NYSEG's surveyor is a certified Professional Land Surveyor (PLS). The survey included reference points with elevations that were tied to the NAVD88 for vertical elevations. These reference points were used to determine the ground surface elevations for each soil boring location as well as the ground surface and the top of the PVC inner casing (groundwater elevation reference point) for each monitoring well. The datum used for the horizontal measurements obtained during the survey was North American Datum of 1983 (NAD83) and the locations were reported in the New York State (NYS) Central Zone coordinates.

3.10 Investigation-derived waste management

Several types of investigation-derived waste (IDW) were generated during the RI activities including:

- decontamination wash-water from the down hole drilling tools;
- soil cuttings from the mini-sonic drilling;
- well development water;
- groundwater sampling purge water;
- personal protective equipment (PPE); and
- miscellaneous sampling equipment and plastic sheeting.

All IDW generated during these tasks was staged and managed at OU1 in accordance with the approved methods for the OU1 remediation activities.

4.0 Site Physical Characteristics

This section describes the regional geologic setting of the Ithaca area, and presents a summary of the field measurements and observations of the physical environment of the investigation area. Included is a discussion of the topography, geology, and hydrology of the Site.

4.1 Regional geology

The geology in the Ithaca area consists of Devonian age sedimentary bedrock overlain by fluvial outwash and lacustrine deposits which are reported to exceed 300 feet in thickness in the Cayuga Valley. The Court Street Site lies on these lacustrine deposits at the southern end of Cayuga Lake (USDA-SCS, 1965; Crain, 1974). Lacustrine deposits in this area generally consist of laminated silts and clays.

4.2 Site geology

Observations regarding the geology of the site were obtained from the soil boring installations. These observations are summarized on the soil boring logs provided in Appendix A. Boring and well construction logs for the previous investigations are included in Appendix D. Four cross-sectional views were prepared to illustrate the subsurface conditions observed during the investigation. Cross-section location maps are provided as Figures 4-1a (Area 1) and 4-1b (Area 2). Area 1 cross-sections (A-A' through F-F') are included as Figures 4-3 through 4-8. Area 2 cross-sections (G-G' and H-H') area included as Figures 4-9 and 4-10. As shown on the figures, five subsurface units were identified during the investigation activities as further described in the following subsections.

4.2.1 Fill

The fill material in OU-2 is comprised of brown gravel, some medium to coarse sand, and trace wood, glass, brick fragments, ash, and cinders. As shown on the cross-sectional views of the Site, fill is present in all areas of the Site, thicknesses generally ranging from 1 to 2 feet. Fill material was observed in thicknesses up to 11 feet in borings advanced in close proximity to the utility corridors. The fill material is similar in nature and thickness along both Washington Street and in the vicinity of OU-1.

4.2.2 Silty Sand

Beneath the fill is a silty sand unit that is composed of tan-gray silt and fine sand with trace organics. Some orange mottling was observed throughout this unit. The unit becomes denser and finer-grained with depth. The highest silt content was observed at the bottom of the unit, where traces of clay were identified. The thickness of the silty sand unit ranges from 2 to 5 feet in OU-2. With few exceptions, the silty sand unit was identified in every soil boring installed in OU-2.

4.2.3 Gravel

Locally, beneath the silty sand unit is a gravel unit that is comprised of brown medium to coarse gravel with little fine sand and silt. The gravel unit was observed at Area 1 boring locations to the west and north of OU1. This unit was also observed during the June through August 2009 excavation along the northern boundary of OU-1, approximately 150 feet east of North Plain Street and from 13.5 to 18.5 feet bgs. The approximate boundaries of this unit are shown on Figure 4-2. The thickness of the gravel unit ranges from 1 to 7 feet thick where encountered. This unit was not observed at any of the Area 2 soil boring locations.

4.2.4 Silty clay

Beneath the tan-gray silty sand or gravel where present, lies a gray silty clay unit. Some fine sand was observed in the top of the unit but grades out with depth. Thin lenses of medium to coarse sand were also identified in this unit. The boundary between the overlying sand unit and the silty clay varies across the Site. A contour map showing the top of the silty clay unit is presented as Figure 4-11. As shown on the figure, the top of the silty clay unit ranges from approximately 5 to 18 feet bgs. The thickness of the silty clay unit ranges from approximately 15 to 20 feet. Based on the physical observations regarding the thickness and density of the unit, it appears likely that the continuous layer of clayey silt which underlies the Site is acting as a confining unit.

4.2.5 Sand and gravel

Borings that fully penetrated the silty clay unit in OU2 encountered a gray sand and gravel unit. This sand and gravel unit consists of a brown medium to fine-grained sand, some coarse gravel, and some peat. The gravel content of this unit varies, and the unit shows a coarse texture where it is more prominent. The peat content of this unit also varies and appears to grade out with depth. The bottom of this unit was not encountered in any of the soil borings at OU-2.

4.3 Site hydrogeology

Two groundwater flow systems exist above a deep gravely sand aquifer at the OU-2. The two groundwater systems are defined as a shallow, unconfined aquifer in the fill and upper silty sands and an intermediate, confined aquifer in the deeper permeable sands.

Water level measurements taken at the Site wells on March 8, 2010 indicated that the groundwater table is generally between 3 and 6 feet bgs across OU-2. The data obtained from the wells, summarized in Table 3-2, has been used to map the flow direction for groundwater across the Site (Figure 4-12). As shown on the figure, shallow groundwater flows toward the northwest across OU-2 at a horizontal gradient of approximately 0.003-0.006 feet per foot (ft/ft). Based on the permeability data presented in previous reports, flow within the aquifer is believed to be primarily horizontal due to the underlying silty clay unit. Horizontal flow in the shallow aquifer was previously estimated to be approximately 23 to 32 feet per year. Previous data also suggested that the silty clay unit was acting as an aquitard that limits the hydraulic connection between shallow groundwater and the underlying intermediate aquifer.

Seven monitoring wells were installed in OU-2 during the 2002 SRI to investigate the characteristics of the groundwater in the intermediate aquifer. Gauging of these wells indicated that the intermediate aquifer was found at depths between 21 and 28 feet bgs across OU-2. This aquifer appeared to be confined at the top by the silty clay unit and below by another clayey unit. The aquifer consists of gray sand and gravel. Horizontal flow in the intermediate aquifer in OU-2 is anticipated to be similar to the horizontal flow determined in OU-1, which was estimated to be in the range of 25 to 45 feet per year (E.C. Jordan, 1987).

5.0 2010 Field Investigation Results

This section presents a summary of the field observations made during the RI. During the subsurface investigation, residuals from former MGP operations were observed in various forms, such as hydrocarbon sheens, staining, and as NAPL. The term "tar" or "coal tar" is used to describe viscous NAPL from MGP operations which does not readily separate from soils. The term "coal tar NAPL" or "NAPL" is used to describe less viscous NAPL from former MGP operations which will readily flow or separate from soils. Specific testing was not performed on tar or NAPL encountered in the borings; it is presumed that these materials are residuals from the gas production process. For discussion and illustrative purposes, the observations made by the field geologist have been grouped into the following general categories:

- Fill material comprised of non-indigenous material emplaced at the Site that contained trace amounts of anthropogenic materials such as cinders, coal fragments, coke fragments, ashes, and varying amounts of construction debris;
- Moderately to heavily impacted soil or fill material exhibiting a visibly identifiable coal tar staining, coal tar sheen, and/or trace amounts of coal tar NAPL blebs (indicated by the green color on the figures and cross-sectional views of the Site); and
- Coal tar or soil saturated with coal tar NAPL (indicated by the red color on the figures and cross-sectional views of the Site).

It is important to note that these descriptions and colored illustrations are included to provide a useful tool in representing the extent of the observed residuals at the Site; however, they are somewhat general in nature and are intended to be used along with the subsurface logs and the results of the chemical analyses to fully evaluate the nature and extent of impacts at the Site.

5.1 Area 1

During previous investigations, numerous soil borings were installed in areas adjacent to OU1 to evaluate the potential for off-site migration of MGP residuals. Twenty nine (29) additional soil borings were advanced in Area 1 during February 2010 to close data gaps and further evaluate the nature and extent of impacts observed north and west of OU1. Additionally, these borings were advanced to identify potential conduits for any migration of MGP residuals from the former MGP plant Site. The locations of the Area 1 borings are shown on Figure 3-2. Area 1 cross-sections are shown on Figures 4-3 through 4-8. The borelogs for the investigation are included in Appendix A. The geology and impacts observed in Area 1 are also shown on Figure 5-1 and Figure 5-2.

Cross-sections A-A' through F-F' illustrate the horizontal and vertical distribution of subsurface geology, utilities, groundwater, and observed impacts in Area 1. Portions of the gravel unit described above (Section 4.2.3) are shown in each of the Area 1 cross-section. As shown on the cross-sections, with few exceptions, impacted soils were observed within the gravel unit. At several locations, impacts were observed in isolated sand lenses within the underlying silty clay unit. As shown on Figures 4-3 through 4-8, the impacts appear generally limited to the gravel unit and isolated sand lenses. Additionally, it appears likely that the gravel unit is acting as a conduit for the potential migration of MGP-related residuals. There does not appear to be a correlation between the observed impacts and the subsurface utility corridors in Area 1.

Using Environmental Visualization Software (EVS) (C-Tech 2008), visualizations of the geology and impacts at the site were generated. These visualizations are summarized on Figure 5-1 and Figure 5-2. AutoCAD and GIS drawings were used to constrain the visualization to the area of interest. The geology at each boring and well location was broken into fill, silty sand, gravel, clay and sand and the contacts between units were entered into EVS. The software then interpolated geological surfaces between locations using the Kriging interpolation technique. To make the visualization consistent with the conceptual site model, six dummy points were assigned geologies and included with the geology dataset. The locations of the dummy points are shown on the figures.

For the purposes of the visualization, impacts were categorized as severe, moderate or mild and entered into EVS, which posted the impacts in the computer visualization of the site at the correct depth intervals below ground surface. Severe impacts contain coal tar or coal tar saturated soil, moderate refers to heavy coal tar staining, sheen, or coal tar blebs, and mild impacts include the presence of a hydrocarbon-like odor, light staining, or trace sheen. As shown on Figure 5-2, the impacts were displayed with red representing severe, green representing moderate and yellow representing mild. Figures 5-1 and 5-2 show five times vertical exaggeration.

Figure 5-1 illustrates the horizontal extent of the gravel unit. The figure shows a series of images that represent a rotating view of the gravel unit and Area 1. As shown on the figure, the gravel unit extends approximately 165 feet north of OU1 beneath North Plain Street and 120 feet west of OU1. The gravel extends approximately 225 feet west of North Plain Street, along the northern boundary of OU1. During the excavation activities at OU1, the gravel unit was observed extending at least 60 feet south of Esty Street. The southern boundary of the gravel unit was not identified during the RI field activities.

Figure 5-2 shows the boring locations, the gravel unit, the underlying silty clay unit, and the observed impacts. The figure shows a series of images where the transparency of each geologic unit is slightly increased until only the impacts remain visible. As shown on the figure, the observed impacts are generally limited to borings located within the boundary of the gravel unit. Where impacts were observed outside the gravel unit, they were identified in isolated sand lenses with the underlying silty clay unit.

As shown on Figure 3-2, coal tar or coal tar NAPL impacts were observed at five soil borings advanced to the west of OU1 (GL-9, SB58, SB135, SB162, and RW5). At each of these borings, coal tar NAPL-impacted soil was observed between 11 and 15 feet bgs and within the gravel unit. Impacts were not observed in the underlying clay in any of these soil borings. The approximate horizontal extent of the gravel unit observed in this area is shown on Figure 5-1. Impacts were not observed in any soil borings advanced west of SB162.

As shown on Figure 3-2, coal tar or coal tar NAPL impacts were observed in eight soil borings advanced to the north of OU-1 along North Plain Street (HP2, HP3, SB52, SB54, SB55, SB108, SB161, and SB168). With the exception of borings HP-3 and SB55, where impacts were observed in sand lenses in the upper portion of the clay unit, all coal tar impacts were observed within the gravel unit. The approximate northern boundary of the gravel unit is shown on Figure 5-1. The depth of impacts observed in this area ranges from 9 to 15 feet bgs. As shown in the borelogs and on the cross sectional views of the Site, although tar and coal tar NAPL was observed in sand lenses at several locations in the upper portions of the silty clay, these residuals were not observed in the deeper samples collected from the silty clay.

As shown on Figure 3-2, sheen, NAPL blebs, or coal tar NAPL impacts were observed in several borings advanced north of OU1 along Esty Street. Consistent with the other borings advance in Area 1, the impacts observed in this area were generally contained within the gravel unit. The western boundary of the gravel unit is shown on Figure 5-1. For borings SB169, SB170, and SB172, NAPL blebs and staining was observed between 10 and 12 feet bgs. At SB171, sheen was observed at 5.2 to 5.7 feet bgs. Coal tar NAPL was

observed at borings SB164, SB48, SB140, RW6, and SB21 at depths ranging from 8 to 15 feet bgs. As shown on the borelogs and cross-sectional views, impacts were not observed in the underlying silty clay in this area.

Based on the results of the 2010 investigation and previous investigations, with the exception of some isolated sand lenses, MGP-related impacts appear generally limited to the gravel unit, which extends to the west and north of OU1. Additionally, it is likely that the gravel unit is a conduit for the migration of MGP residuals from OU1. The underlying silty clay is likely acting as a confining layer, limiting the downward migration of MGP residuals.

5.1.1 NAPL bail-down summary

One well (RW5) was found to accumulate measurable amounts of DNAPL in the well sump. The thickness of the DNAPL was observed to be two feet, a thickness equal to the length of the well sump. A NAPL bail-down test was performed to assess the potential for NAPL recovery at this location. The bail-down test consisted of removing the NAPL in the well sump with a peristaltic pump during three separate events. The results of the bail-down test are provided on Figure 5-3. As shown on Figure 5-3, NAPL was observed to accumulate in the well sump at an average rate of 0.42 feet per day. Additional testing may be required to further evaluate the potential for NAPL recovery at this location.

5.2 Area 2

Several soil borings were advanced in Area 2 during the investigation performed by MWH in 2002 to evaluate the potential for migration of MGP residuals from the wooden duct system along Court Street (MWH Americas, Inc., 2002). As shown on Figure 3-3, MGP-related impacts were observed in five soil borings located in the vicinity of the utility corridor along the west side of Washington Street (SB144, SB147, SB153, SB156, and SB158). During February 2010, twenty three (23) additional soil borings were installed to further delineate the extent of impact observed during the 2002 investigation. Groundwater monitoring wells were installed at four of the soil boring locations to evaluate shallow groundwater conditions in Area 2. These borings and monitoring wells are also shown on Figure 3-3.

Soil borings SB142 through SB146 were advance to evaluate the nature and extent of impacts observed at SB96. Trace amounts of NAPL were observed within very thin (0.01' thick) sand lenses from 13 to 15 feet bgs in soil boring SB144. No visible evidence of MGP-related impacts was observed in soil borings SB142, SB143, SB145, or SB146.

Soil borings SB147 through SB151 were advanced to assess soil conditions in an area along the subsurface utility corridor on Washington St. With the exception of SB147, where trace sheen was observed from 9 to 10 feet bgs, visible evidence of MGP-related impacts was not observed at any of these boring locations.

Soil borings SB152, SB153, and SB156 were advanced to assess soil conditions in an area west of impacts observed at the intersection of Esty and Washington Street. Evidence of impacts was not observed at SB152. Trace NAPL stringers were observed at 5.5 to 6.8 feet bgs in soil boring SB153. Trace NAPL stringers were also observed in soil boring SB156 at 10.5 to 11.5 feet bgs.

Soil borings SB154, SB155, and SB157 were advanced to assess soil conditions in an area east of impacts observed at the intersection of Esty and Washington Street. No visible evidence of MGP-related impacts was observed at any of these boring locations.

Soil boring SB158 and SB159 were advanced to evaluate the horizontal and vertical extent of impacts observed at SB60. Trace NAPL stringers were observed in SB158 from 8 to 10.5 feet bgs. No visible evidence of MGP-related impacts was observed at boring SB159.

MGP-related impacts were observed in six soil borings advanced in Area 2 during 2010. These borings include SB144, SB147, SB153, SB156, SB158, and MW48S. As shown on Figure 3-3 and the cross-sectional views (Figures 4-9 and 4-10), impacts were only observed at boring locations along the west side of Washington Street and in close proximity to the utility corridor. Trace NAPL stringers, NAPL blebs, or sheen were observed in isolated sand lenses and/or root channels within the silty clay unit. Impacts were observed at depths ranging from 6 to 19 feet bgs. The sand and organic lenses are very thin (<1 to 1-inch thick) and generally decrease with depth. Visible evidence of MGP-related residuals was not observed in the silty clay in any of the Area 2 borings.

Trace coal tar NAPL and sheen were observed in borings SB96 and SB147 at depths ranging from 6 to 9 feet bgs respectively. These impacts were observed within a localized area of sand and gravel. This sand and gravel was not observed in any of the borings advanced to the north, south, east, or west of SB96 and SB147. Additionally, no other sand and gravel lenses were observed in any other Area 2 soil borings.

6.0 2010 Analytical results

This section presents the results of the laboratory analyses performed for the RI samples. A discussion of the results of the analyses, and a comparison to applicable NYSDEC Standards, Criteria and Guidance (SCGs) values are grouped according to environmental media in the following sections.

To include the results of all the sampling that has been completed at the Site in this report, the laboratory reports and summary spreadsheets for the previous investigations performed by MWH (MWH Americas, Inc., 2002; MWH Americas, Inc., 2006) are included in Appendix D, and the results are summarized on the figures discussed in this section.

6.1 Analytical program

Subsurface soil, groundwater, and air samples were analyzed during the RI. Except where noted below, the samples were analyzed by Test America of Buffalo, New York, and Knoxville, Tennessee.

6.1.1 Subsurface soil analyses

The subsurface soil samples were analyzed for the following parameters:

- TCL VOCs by U.S. EPA SW-846 Method 8260B;
- TCL SVOCs by U.S. EPA SW-846 Method 8270C; and
- Total Cyanide by U.S. EPA SW-846 Method 9012A.

6.1.2 Groundwater analyses

The groundwater samples were analyzed for the following parameters:

- TCL VOCs by U.S. EPA SW-846 Method 8260B;
- TCL SVOCs by U.S. EPA SW-846 Method 8270C; and
- Total Cyanide by U.S. EPA SW-846 Method 9012A.

6.1.3 Air analyses

Air samples were analyzed for the following parameters:

- VOC plus MGP indicators analysis by U.S. EPA Method TO-15.

6.2 Quality assurance/quality control analyses

Field and laboratory quality control samples were collected and analyzed to document the accuracy and precision of the samples. The quality assurance/quality control (QA/QC) samples included trip blanks, field duplicates, matrix spikes, and matrix spike duplicates. The data quality level for the investigation was Level IV and was consistent with procedures outlined in the NYSDEC ASP July 2005 methodologies. A full Category B data package has been prepared by the laboratory for all samples collected during the RI and is included in Appendix C. The results of the field QA/QC samples and the laboratory QA/QC samples are included in Appendix B.

6.3 DUSR review

For quality control purposes, comprehensive Contract Laboratory Protocol (CLP)-like data packages were produced by Test America for the soil, air, and groundwater samples for review by a qualified Environmental Data Services, Inc. chemist. A DUSR was prepared by EnvironmentalData Services, Inc. for each soil, air, and water sample delivery group. The DUSRs for this project are included in Appendix B.

As part of the data review process, analytical results and data qualifiers were corrected where necessary to reflect quality control issues. The Form I Report Sheets in Appendix B, and the data summary spreadsheets discussed in this section, have been modified to reflect the findings of the DUSRs.

Organic data quality was evaluated by reviewing the following parameters: holding times, GC/MS tuning and performance, internal standards, initial and continuing calibrations, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) samples, MS/MSD relative percent differences (RPDs), laboratory control standards (LCSs), laboratory blanks, laboratory and field duplicates, compound identification, and compound quantitation. As a result of the review, all data were found to be useable with some qualifications, which do not affect the conclusions of this report.

Inorganic data quality was evaluated by reviewing the following parameters: holding times, matrix spikes, initial and continuing calibrations, contract required detection limit (CRDL) standard recoveries, laboratory control samples, inductively couple plasma (ICP) interference check sample results, ICP serial dilution results, laboratory and field duplicates, and laboratory blanks. All inorganic results were found to be useable with some qualification, which do not affect the conclusions of this report.

6.4 Subsurface soil results

A list of the subsurface soil samples collected, and the analyses performed is included in Table 3-1. The results of the subsurface soil samples are summarized in Table 6-1 (VOC results) and Table 6-2 (SVOC and total cyanide results).

The subsurface soil results included in the tables are compared to either the Restricted Residential Use or Commercial Use SCOs. Where a result is greater than the respective Subpart 375-6-Restricted Residential Use SCO, the result is shown with a bold font. If a result is greater than the respective Subpart 375-6 Commercial Use SCO, the result has been shaded on the tables.

The results of the subsurface soil sampling performed at Area 1 and Area 2 are summarized on Figure 6-1 and Figure 6-2 respectively. Included on the figures are the sample designations, the date sampled, the total BTEX concentrations, the total polycyclic aromatic hydrocarbon (TPAH) concentrations, and the total cyanide concentrations. Note that the subsurface soil results for the investigations performed by MWH and IT are also summarized on the figures.

As indicated in the RI Work Plan, the sampling rationale included the collection of one to two samples for laboratory analyses from each boring. In general, samples were collected from the most impacted intervals based on the PID screening and field observations (visual and olfactory) regarding the presence of MGP-related residuals. At several boring locations, where impacts were not encountered, a sample was collected from the 1-foot interval immediately above the water table. Samples were also collected from the bottom of several of the borings, to assess soil quality in the silty clay unit below shallower impacted zones. The intervals sampled at each boring location are shown on the borelogs in Appendix A and are summarized in Table 3-1. The results of the analyses are discussed by area below.

6.4.1 Area 1 subsurface soil results

Thirty-seven (37) subsurface soil samples were collected from the borings advanced in Area 1. Sampling intervals are indicated in ft bgs in parentheses within the sample identification (i.e. SB140 (18-20) was sampled from 18-20 ft bgs).

VOCs

As shown on Table 6-1, BTEX compounds were detected in 19 of the 37 subsurface samples collected from Area 1 borings:

- Where detected, total BTEX concentrations ranged from 0.0026 mg/Kg (SB140 (18-20)) to 843 mg/Kg (SB162 (13-13.5)).
- Only one BTEX compound result (benzene in SB162 (13-13.5) - 93 mg/Kg) was greater than the Commercial Use SCO of 44 mg/Kg.
- Ethylbenzene (360 mg/Kg) and total xylenes (390 mg/Kg) were detected in the sample from SB162 (13-13.5) at concentrations greater than the Restricted Residential Use SCOs of 41 mg/Kg and 100 mg/Kg, respectively.
- BTEX compounds were not detected at concentrations greater than the respective Restricted Residential Use or Commercial Use CROs in any other soil samples collected from Area 1 borings.

Targeted samples were collected from the silty clay unit beneath impacted shallower zones in the gravel to further assess whether the silty clay may be acting as a potential confining unit beneath the Site. These samples included: SB134(10-12), SB135(15-17), SB140(18-20), SB161(15-17), SB162(19-20), SB164(15-17), SB168(15-17), and RW5(15-17). As shown on Table 6-1, all BTEX compounds for these samples were either not detected, or where detected were less than the Restricted Residential and Commercial Use SCOs.

Targeted samples were collected from the sand and gravel unit beneath the silty clay to assess deeper soil conditions in Area 1. These samples included SB138(22.5-25) and SB141(21-23). As shown on Table 6-1, all BTEX compounds for these samples were either not detected, or where detected were less than the Residential and Commercial Use SCOs.

SVOCs

As shown on Table 6-2, PAH compounds were detected in 23 of the 37 subsurface samples collected from the Site. Where detected, total PAH concentrations ranged from 0.027 mg/Kg in sample SB175(11-12.5) to 19,338 mg/Kg in sample SB162(13-13.5).

Two Area 1 samples had one or more PAH compound detected above the Restricted Residential and Commercial Use SCOs. These samples include:

- SBSB134(8-10) – Total PAHs = 182.05 mg/Kg. This sample was collected from the west side of North Plain Street, approximately 180 feet north of OU1. This sample was collected from the interval where hardened coal tar mixed with gravel was observed. PAHs were not detected in the deeper sample from the silty clay at this location (SB134(10-12)).
- SB162(13-13.5) – Total PAHs = 19,338 mg/Kg. This sample was collected from the property at 420 North Plain Street, approximately 80 feet west of OU1. This sample was collected from the interval where possibly MGP-related impacts were observed. The deeper sample from the clayey silt at this location (SB162(19-20)) had a total PAH result of 0.102 mg/Kg, and none of the PAH concentrations were greater their respective Restricted Residential or Commercial Use SCOs.

In addition to the deeper samples collected from the silty clay indicated above, additional targeted samples were collected from this unit beneath impacted shallower zones in the gravel or fill. These samples included: SB135(15-17), SB140(18-20), SB161(15-17), SB164(15-17), SB168(15-17), and RW5(15-17). As shown on Table 6-2, all PAH compounds for these samples were either not detected, or where detected were below the Restricted Residential and Commercial Use SCOs.

Targeted samples were collected from the sand and gravel unit beneath the silty clay to assess deeper soil conditions in Area 1. These samples included SB138(22.5-25) and SB141(21-23). As shown on Table 6-2, all PAH compounds for these samples were either not detected, or where detected were less than the Restricted Residential and Commercial Use SCOs.

Three other SVOCs were detected in the samples from the borings in Area 1 (1,1'-biphenyl, carbazole, and dibenzofuran). Dibenzofuran was detected in sample SB162(13-13.5) at a concentration of 110 mg/Kg, which exceeded the Residential Use SCO of 59 mg/Kg. No other concentrations detected were greater than the Restricted Residential or Commercial Use SCOs.

Total Cyanide

Total cyanide was detected in the soil sample SB132(6-8) at a concentration of 3.7 mg/Kg, which was less than the Restricted Residential and Commercial Use SCOs of 27 mg/Kg. Total cyanide was not detected in any other Area 1 soil samples.

6.4.2 Area 2 subsurface soil results

Thirty-two (32) subsurface soil samples were analyzed from the borings advanced within Area 2.

VOCs

BTEX compounds were detected in 15 (and 2 duplicates) of the 32 subsurface samples collected from Area 2 borings. Where detected, total BTEX concentrations ranged from 0.0028 mg/Kg (SB153 (12.5-14)) to 18.419 mg/Kg (SB144 (12-13)). BTEX compounds were not detected at concentrations greater than the respective Restricted Residential Use or Commercial Use SCOs in any soil samples collected from Area 2 borings.

Targeted samples were collected from the silty clay unit beneath impacted shallower zones to further assess whether the silty clay may be acting as a potential confining unit beneath the Site. These samples included: SB147(10-12), SB153(12.5-14), SB156(13-15), and SB158(13-15). As shown on Table 6-1, all BTEX compounds for these samples were either not detected, or where detected were less than the Restricted Residential and Commercial Use SCOs.

One targeted sample, SB144 (20-22) was collected from the sand and gravel unit beneath the silty clay to assess deeper soil conditions at a location where possible MGP-related impacts were observed in the shallower overburden material. As shown on Table 6-1, BTEX compounds were not detected in this sample.

SVOCs

As shown on Table 6-2, PAH compounds were detected in 20 (and 2 duplicates) of the 32 subsurface samples collected from the Area 2 borings. Where detected, total PAH concentrations ranged from 0.038 mg/Kg in sample SB148(10-12) to 59.181 mg/Kg in sample SB144(12-13).

Two Area 2 samples had one or more PAH compound detected above the Restricted Residential Use SCOs. These samples include:

- SB144(12-13) – Total PAHs = 59.181 mg/Kg. This sample was collected from an area north of SB96, where impacts were observed during a previous investigation. PAHs were not detected in the deeper sample from the silty clay at this location (SB144(20-22)).
- SB153(5-7) – Total PAHs = 48.89 mg/Kg. This sample was collected from an area west of the intersection of Washington and Esty Streets. This sample was collected from the interval where trace NAPL stringers were observed. The deeper sample from the silty clay at this location (SB153(12.5-14)) had a total PAH result of 0.064 mg/Kg, and none of the PAH concentrations were greater their respective Restricted Residential or Commercial Use SCOs.

Benzo(a)pyrene was detected in sample SB153(5-7) at a concentration of 1.5 mg/Kg, which exceeded the Commercial Use SCO of 1.0 mg/Kg. PAH compounds were not detected at concentrations greater than the respective Commercial Use SCOs in any other soil samples collected from Area 2 borings.

In addition to the deeper samples collected from the silty clay indicated above, additional targeted samples were collected from this unit beneath impacted shallower zones. These samples included: SB147(10-12), SB153(12.5-14), SB156(13-15), and SB158(13-15). As shown on Table 6-2, all PAH compounds for these samples were either not detected, or where detected were below the Restricted Residential and Commercial Use SCOs.

One targeted sample, SB144 (20-22), was collected from the sand and gravel unit beneath the silty clay to assess deeper soil conditions at a location where possibly MGP-related impacts were observed in the shallower overburden material. As shown on Table 6-2, PAH compounds were not detected in this sample.

Four other SVOCs were detected in the samples from the borings in Area 2 (1,1'-biphenyl, bis(2-ethylhexyl)phthalate, carbazole, and dibenzofuran). None of these SVOCs were detected at concentrations greater than the Restricted Residential or Commercial Use SCOs.

Total Cyanide

Total cyanide was detected in the soil sample SB144(12-13) at a concentration of 2.1 mg/Kg, which was less than the Residential and Commercial Use SCOs of 27 mg/Kg. Total cyanide was not detected in any other Area 2 soil borings.

6.5 Groundwater analytical results

The results of the groundwater samples collected during the RI are summarized in Table 6-3 (VOC results) and Table 6-4 (SVOC and cyanide results). The evaluation of the groundwater results in the following sections is based on a comparison to the guidance or standard values provided in the NYSDEC - Division of Water – Technical Operation Guidance Series (TOGS) (1.1.1) [NYSDEC, 1998, with addendums]. On the tables, where a result is greater than the method reporting limits, the result is shown with a bold font. Where a result is greater than the respective groundwater standard or guidance value concentration, the result is shaded on the tables. The resulting concentrations of the 2010 groundwater sampling event are either less than or comparable to previous groundwater sampling conducted by MWH (MWH Americas, Inc., 2002).

6.5.1 Area 1 Groundwater results

Fifteen (15) groundwater samples (and one duplicate) were collected from Area 1 monitoring wells during March 2010. The results of the groundwater sampling are summarized on Figure 6-3. Included on the figure are the well locations; the dates sampled; and the BTEX, TPAH, and the total cyanide concentrations.

VOCs

BTEX compounds were detected in the samples from two of the 15 wells sampled in Area 1, MW11S and MW44S. The total BTEX concentration detected at MW11S was 5.79 µg/L. Benzene was detected in the sample from MW11S at a concentration of 5 µg/L, which exceeded the groundwater standard of 1 µg/L. Monitoring well MW11S is located north and down gradient of OU1. The total BTEX concentration detected at MW44S was 13.3 µg/L. Benzene was detected in the sample from MW44S at a concentration of 12 µg/L, which exceeded the groundwater standard of 1 µg/L. Monitoring well MW44S is to the west of OU1, at a down gradient location. BTEX compounds were not detected in any other samples from down gradient wells in Area 1.

SVOCs

PAH compounds were detected above the method reporting limits in three of the 15 Area 1 wells. Total PAH concentrations ranged from 11.8 µg/L (MW41S) to 144.82 µg/L (MW11S). One PAH compound, acenaphthene was detected in the groundwater sample collected from MW11S at a concentration of 82 µg/L, which was greater than the groundwater guidance value of 20 µg/L. PAHs were not detected at concentrations greater than the groundwater standards or guidance values in any other samples collected from Area 1 monitoring wells during March 2010. Figure 6-3 shows the distribution of total PAHs.

Four of the 15 wells had at least one other SVOC detected; however, all of these detections were below the groundwater standard or guidance values.

Total Cyanide

Total cyanide was detected in six of the 15 wells sampled in Area 1. The detected concentrations ranged from 14.3 µg/L at MW24S to 77 µg/L at MW44S. None of the concentrations were found to be greater than the groundwater standard of 200 µg/l.

6.5.2 Area 2 Groundwater results

Twenty three (23) groundwater samples were collected from Area 2 monitoring wells during March 2010. The results of the groundwater sampling are summarized on Figure 6-4. Included on the figure are the well locations; the dates sampled; and the BTEX, TPAH, and the total cyanide concentrations.

VOCs

BTEX compounds were detected in the samples from three of the 23 wells sampled in Area 2 including MW39, MW46S, and MW48S. The total BTEX concentrations detected ranged from 12.17 µg/L at MW39 to 2,972 µg/L at MW46S. Benzene was detected at concentrations greater than the groundwater standard of 1 µg/L in the samples from all three wells (10 µg/L at MW39, 1,300 µg/L at MW46S, and 620 µg/L at MW48S). All four BTEX compounds were detected at concentrations greater than their respective standards in the samples collected from MW46S and MW48S. BTEX compounds were not detected in any other samples collected from wells in Area 2. Figure 6-4 shows the distribution of total BTEX.

Isopropylbenzene was detected in the groundwater samples collected from wells MW39, MW46S, and MW48S at concentrations of 6.2 µg/L, 45 µg/L, and 52 µg/L, respectively. These concentrations are greater than the groundwater standard of 5 µg/L. No other VOCs were detected at concentrations greater than their respective standards or guidance values in the samples collected form Area 2 monitoring wells.

SVOCs

PAH compounds were detected above the method reporting limits in five of the 23 Area 2 wells. Total PAH concentrations ranged from 3.5 µg/L (MW47S) to 1,736.03 µg/L (MW46S). Two PAH compounds,

acenaphthene and naphthalene were detected at concentrations greater than the respective groundwater guidance values of 20 µg/L and 10 µg/L in the samples collected from MW39, MW46S, and MW48S. PAHs were not detected at concentrations greater than the groundwater standards or guidance values in any other samples collected from Area 2 monitoring wells during March 2010. Figure 6-4 shows the distribution of total PAHs.

Eight of the 23 wells had at least one other SVOC detected. 1,1'-Biphenyl was detected in the samples from MW46S (13 µg/L) and MW48S (23 µg/L) at concentrations greater than the groundwater standard of 5 µg/L. Phenol was detected at an estimated concentration of 2.3 µg/L in the sample from MW46S, which exceeded the standard of 1 µg/L. SVOCs were not detected at concentrations greater than the respective standards or guidance values in any other samples collected form Area 2 monitoring wells.

Total Cyanide

Total cyanide was detected in six of the 23 wells sampled in Area 2. The detected concentrations ranged from 13.4 µg/L at MW17S to 384 µg/L at MW22S. The cyanide concentration detected in the sample from MW22S was found to be greater than the groundwater standard of 200 µg/L. Monitoring well MW22S is located west of the intersection of Washington and Esty Streets and down gradient of impacts observed in soil borings SB153 and SB156. Cyanide was not detected at concentrations greater than the groundwater standard in any other samples collected from Area 2 monitoring wells.

6.6 Soil Vapor Intrusion results

Soil vapor, indoor air, and ambient air samples were collected at the residence at 420 North Plain Street during March 2010. Analytical results for the air samples are summarized in Table 6-5. The NYSDOH Guidance does not provide background values for VOCs in soil vapor for comparison to Site-specific results for soil vapor samples. However, indoor air background values can be used for conservative comparisons. The sample results were compared to a database of typical background indoor air concentrations from fuel oil heated homes in New York State that was compiled by the NYSDOH in 2003, and revised in 2005. Using this data, background values have been established, which are expressed as statistical values in the tables. The "75th percentile" value indicates that 75% of the background indoor air concentrations were below that value. Where a concentration is greater than the 75th percentile concentration listed on the tables, the concentration is highlighted with yellow shading.

As shown on Table 6-5, m-xylene & p-xylene, was detected at a concentration of 6.3 µg/m^3 in the soil vapor sample, which was greater than the 75th percentile value of 4.6 µg/m^3. No other BTEX compounds were detected at concentrations greater than the 75th percentile values in any of the samples collected at 420 North Plain Street.

Tetrachloroethene (PCE) was detected in the soil vapor and upwind ambient air samples at concentrations of 28 µg/m^3 and 19 µg/m^3, respectively. These concentrations are greater than the 75th percentile value of 1.1 µg/m^3. PCE is a chlorinated solvent that is used commercially as a degreaser and an dry cleaning. This compound is not typically associated with MGP-related impacts.

The following compounds were also detected in the soil vapor sample at concentrations greater than the corresponding 75th percentile values.

- 1,1,1-trichloroethane (1,1,1-TCA) – 1.9 µg/m^3
- 1,4-dichlorobenzene – 0.69 µg/m^3
- n-dodecane - 37 µg/m^3 (estimated concentration)
- n-undecane – 12 µg/m^3

The following compounds were also detected in the upwind ambient air sample at concentrations greater than the corresponding 75th percentile values.

- Carbon tetrachloride – 1.9 µg/m^3
- Chloroform – 1.5 µg/m^3

Although several VOCs were detected in both the soil vapor and upwind ambient air samples at concentrations slightly greater than the respective 75th percentile values, these results are likely representative of urban background conditions and are not indicative of MGP-related impacts.

7.0 Nature and Extent of Contamination 2001-2010

This section presents a synthesis of the data collected beyond the footprint of OU-1 during the winter of 2009-2010 and historical investigations to provide a site-wide evaluation of the soil, groundwater, and soil vapor for OU-2. The historical phases of investigation work were completed at OU-2 between 2001 and 2010. The 2010 and historical borelogs are provided in Appendix A. The historical analytical data tables are presented in the Tables section of this report. The previous investigation data are presented in Appendix D. The nature and extent of contamination in OU-2 is presented in order of sample matrix in the following subsections.

7.1 Surface Soil

Between 2001 and 2003, surface soil samples were collected from 53 locations within both OU-1 and OU-2. The surface soil sample locations are shown on Figures 2-2, 3-1, and 7-3. As part of the 2001 SRI (MWH Americas, Inc., 2002), one surface soil sample, SS-10, was collected from the City-owned property between the sidewalk and the curb at the intersection of West Court Street and Washington Street. Six (6) PAH compounds were detected in this sample at concentrations greater than their respective NYSDEC TAGM 4046 recommended soil cleanup objectives. Subsequently, 28 additional surface soil samples were collected from OU-2 during May 2003. Ten additional surface soil samples (SS-101 through SS-110) were collected during April 2003 by the NYSDEC in an area immediately east of OU-1. The following subsections provide a forensic analysis of surface soil samples collected between 2001 and 2003 and evaluations of surface soils by location.

7.1.1 Forensic Analysis

All surface soil samples that have been collected in OU1 or OU2 were included in this forensic analysis except for samples located where soils have been excavated (SS-14, 16, 18, 24, 25, 26, 33, and 34). Subsurface soil samples with multiple PAHs in exceedance of standards were included in this analysis as they appear to represent site source material. The background surface soil samples were those that are located relatively far from OU1.

Prior to analyzing the data, all non-detect values (U qualifiers) were removed and not used in the analysis. Several diagnostic PAH ratios (Douglas, Bence et al. 1996; EPRI 2000; Costa 2004) were then calculated for each sample including:

- benzo[a]anthracene/chrysene;
- phenanthrene/anthracene;
- fluoranthene/pyrene;
- acenaphthylene/acenaphthene;
- indeno[1,2,3-cd]pyrene/benzo[ghi]perylene; and
- low molecular weight PAHs (naphthalene through anthracene)/high molecular weight PAHs (benzo(b)fluoranthene through benzo[ghi]perylene).

Some ratios could not be calculated due to non-detect concentrations of specific analytes. Each ratio versus the total PAH concentrations and several ratio-ratio plots were evaluated.

Samples with LMW/HMW > 1 (low molecular weight PAH/high molecular weight PAH) reflect a more unweathered source of PAH residuals. All subsurface soil samples that represent potential source material have LMW/HMW > 1 with the exception of two samples (SB96 and 609C). All background and surface soil samples with enough PAHs to calculate this ratio are weathered and have LMW/HMW < 1 except for SS-4 (Figure 7-4) which has LMW/HMW = 1.75. SS-4 is located on the southeastern perimeter of OU1.

The range in fluoranthene/pyrene (FLUA/PYR) values suggests site and/or background-related types of pyrogenic PAHs in the soils. For example, FLUA/PYR values above 1.0 are commensurate with coal carbonization (CC) sources of PAHs (EPRI 2000) and FLUA/PYR values from 0.5 to 0.9 tend to be the result of carbureted water gas (CWG) tars. All soil samples appear to be from CWG and CC sources. All background and surface soil samples have FLUA/PYR > 1 with the exception of samples SS-102 (0.9697) and SS-103 (0.9091), both located on OU-1. Subsurface soil samples tend to have FLUA/PYR ratios between 0.5 and 0.9 with the exception of sample SB134 (8-10) which has a FLUA/PYR ratio of 1.5. This sample was collected from a depth near underground utilities and contained hardened tar unlike other borings collected during investigations of OU-2 which contained NAPL.

FLUA/PYR values evaluated in conjunction with total PAHs tend to show that the background and surface soil samples share a common PAH source while the PAHs in the subsurface samples (potential site source material) share a different source from the background and surface soil PAHs (Figure 7-5). When the FLUA/PYR values are evaluated in conjunction with the benzo(a)anthracene/chrysene (BaA/C0) values, two potential sources are also observed (Figure 7-6).

It is likely, based on these ratios, that the background and surface soil sample PAHs share a common source that is different from the site-related subsurface sample PAH impacts.

7.1.2 Background Samples

As shown on Figure 7-3, ten (10) surface soil samples were collected from areas that likely represent local background conditions. The analytical results for these samples are summarized in the historical data tables section of this report. The sample locations are summarized in the table below.

SAMPLE ID	LOCATION
SS-6, SS-41	Northwest of OU-1. Public park. North of Cascadilla Street.
SS-8, SS-40	Northeast of OU-1. West of North Cayuga Street. North of Cascadilla Street
SS-9, SS-39	Southeast of OU-1. East of North Cayuga Street. South of West Court Street.
SS-11, SS-38	Southwest of OU-1. Intersection of West Buffalo Street and North Plain Street.
SS-7, SS-37	Southwest of OU-1. Public Park. South of West Court Street.

Six of the ten background surface soil samples contained at least one PAH compound at concentrations greater than the corresponding recommended soil cleanup objectives. Site related activities have not been documented in the vicinity of any of the above referenced sample locations. Although some PAH concentrations are greater than the cleanup objectives, the levels detected in these samples are likely indicative of local background conditions.

7.1.3 West Court Street

As shown on Figure 7-3, seventeen (17) surface soil samples were collected along West Court Street between 2001 and 2003. The analytical results for these samples are summarized in the historical data tables section of this report. The sample locations are summarized below.

SAMPLE ID	LOCATION
SS-14, SS-16, SS-18, SS-24, SS-25, SS-26, SS-33, SS-34	West of OU-1. North of West Court Street. Between curb and sidewalk.
SS-17, SS-23, SS-30, SS-42, SS-43	West of OU-1. South of West Court Street. Between curb and sidewalk.
SS-19, SS-21	East of OU-1. North of West Court Street. Between curb and sidewalk.
SS-20, SS-22	East of OU-1. South of West Court Street. Between curb and sidewalk.

All eight samples collected west of OU-1 from between the sidewalk and the north side of West Court Street contained at least one PAH compound at concentrations greater than the recommended soil cleanup objectives. Although the wooden duct removal project did not specifically target surface soil, all surface soil along the north side of West Court Street between the sidewalk and the street was excavated and replaced with clean fill as a result of the wooden duct removal.

All five samples collected west of OU-1 from between the sidewalk and the south side of West Court Street contained at least one PAH compound at concentrations greater than the recommended soil cleanup objectives. Although some PAH compounds were detected at levels greater than the cleanup objectives, based on the forensic analysis, the PAHs appear to share a common source with those identified in the background samples and are likely indicative of local background conditions.

Three of the four samples collected east of OU-1 along West Court Street contained at least one PAH compound at concentrations greater than the recommended soil cleanup objectives. The analytical results and forensic analysis for these samples appear generally consistent with those for the background samples. Site related activities have not been documented to the east of OU-1 along Court Street. It is likely that the PAH levels identified in these samples are indicative of local background conditions.

7.1.4 Washington Street

As shown on Figures 3-1 and 7-3, seven surface soil samples were collected along the east and west sides of Washington Street to the north of West Court Street. The analytical results for these samples are summarized in the historical data tables section of this report. With the exception of one sample, SS-13, all of the samples contained at least one PAH compound at concentrations greater than the recommended soil cleanup objectives. Although some PAH compounds were detected at levels greater than the cleanup objectives, based on the forensic analysis, the PAHs appear to share a common source with those identified in the background samples and are likely indicative of local background conditions.

7.1.5 Park Place

As shown on Figure 7-3, two surface soil samples, SS-35 and SS-36, were collected along the east side of Park Place to the north of West Court Street. The analytical results for these samples are summarized in the historical data tables section of this report. Several PAHs were detected at concentrations greater than the recommended soil cleanup objectives in both of these samples. Based on the forensic analysis, the PAHs detected in these samples appear to share a common source with those identified in the background samples.

Additionally, there has been no link identified between the PAH levels in these samples and MGP-related contamination.

7.1.6 East of OU-1

Ten surface soil samples (SS-101 through SS-110) were collected during April 2003 by the NYSDEC in an area immediately east of OU-1 to assess the level and significance of potential exposures to carcinogenic PAHs (cPAHs) based on the relative toxicities of the cPAHs detected. A summary of the analytical results is presented in the historical tables section of this report. Results for these samples were compared to cPAHs in background environments. The results for only one sample were greater than the background values. All other samples were within the range of average background conditions. Based on an evaluation of the results, it was concluded that the levels of cPAH detected in these samples did not present a public health concern.

7.2 Subsurface Soil

Between 2001 and 2010, extensive investigative work was performed to evaluate the nature and extent of potential MGP related impacts in subsurface soils in OU-2. Below is a summary of the work performed to evaluate subsurface soil.

Year	Soil Borings	Soil Samples - Laboratory Analysis	Test Pits
Pre-2001	**8**	**NA**	**0**
2001-2002	**67**	**59**	**0**
2004	**49**	**23**	**3**
2010	**52**	**69**	**0**
Total	**173**	**151**	**3**

An evaluation of the available soil boring logs and analytical results suggest that, in Area 1 of OU-2, with the exception of some isolated sand lenses within the upper portion of the silty clay unit, MGP-related impacts appear generally limited to the gravel unit that extend to the west and north of OU-1. The MGP impacts within the gravel layer are found at a depth range of 5 to 15 ft bgs, and range in thickness from 0.5 to 4 ft. Additionally, it is likely that the gravel unit is the primary conduit for the migration of MGP residuals from OU-1. The underlying silty clay is likely acting as a confining layer, limiting the downward migration of MGP residuals. The presence of unimpacted soil borings to the north, south, east, and west of impacted borings suggest that the general limits of impacts in Area 1 have been identified (Figure 3-2).

Several soil borings were advanced in Area 2 of OU-2 during 2001 (MWH Americas, Inc., 2002) to determine if any releases from the former wooden duct had occurred and to characterize the nature and extent of any impacts that may have migrated from the point of release, should it have existed. Based on the 2001 investigation, it was determined that there was a release from the wooden duct. Twenty two (22) additional soil borings were advanced in 2010 to close remaining data gaps. An evaluation of both the 2001 and 2010 data suggest that MGP related impacts are limited to locations along the west side of Washington Street and in

close proximity to the utility corridor. Where observed, impacts were generally limited to thin (less than 2 inches), isolated sand lenses and/or root channels within the silty clay unit. Area 2 impacts were observed at depths ranging from six to 19 feet bgs (Figure 4-9).

7.3 Groundwater

Groundwater sampling was conducted in OU-2 in 2002, 2004, 2007, and 2010. The analytical results for these sampling events are summarized in the Tables section of this report. The results for total BTEX, total PAHs, and cyanide for all four sampling events across Areas 1 and 2 are presented on Figure 7-1. The groundwater flow direction is also shown on Figure 7-1. Below is a summary of the work performed to evaluate groundwater across OU-2.

Year	Groundwater Monitoring Wells Installed	Groundwater Samples – Laboratory Analysis	NAPL Recovery Wells Installed
Pre-2001	**8**	**NA**	**0**
2001-2002	**14**	**54**	**0**
2004	**18**	**40**	**0**
2007	**0**	**25**	**0**
2010	**6**	**38**	**2**
Total	**46**	**157**	**2**

The groundwater table is generally shallow (between 3 and 6 feet bgs) across OU-2. As shown on figures 4-12 and 7-1, shallow groundwater flows toward the northwest across OU-2. Flow within the aquifer is believed to be primarily horizontal due to the underlying silty clay unit. Previous data (E.C. Jordan, 1987) suggested that the silty clay unit is acting as an aquitard that limits the hydraulic connection between shallow groundwater and the underlying intermediate aquifer. Horizontal flow across OU-2 is relatively slow (approximately 23 to 32 feet per year) (E.C. Jordan, 1987).

As shown on Figure 7-1, BTEX and/or PAH compounds were detected in 24 of the 46 monitoring wells sampled between 2001 and 2010. Cyanide was detected in 12 of the 46 monitoring wells sampled between 2001 and 2010. During the most recent sampling event (March, 2010), one or more BTEX compounds were detected at concentrations greater than the groundwater standards in five of the 38 monitoring wells sampled. One or more PAH compounds were detected at concentrations greater than the groundwater standards in four of the 38 wells sampled during March 2010. Cyanide was detected at a concentration greater than the groundwater standard in only one monitoring well (MW-22S) sampled in March 2010. Measurable BTEX, PAH, and cyanide concentrations are generally limited to monitoring wells in close proximity to OU-1, immediately downgradiant of the former wooden duct system, and along the west side of Washington Street. Where detected, total BTEX and total PAH concentrations have either remained generally consistent or have decreased over time. These trends suggest that the contaminant plumes, should they exist, are either stable or decreasing. The decreasing trends suggest that natural attenuation processes (e.g. biodegradation, dilution, dispersion) may be actively reducing BTEX and PAH concentrations in the groundwater.

7.4 Soil vapor

Between October 2002 and March 2010, SVI investigations were conducted across OU-2 during five separate events, which included 56 homes, one building on OU-1, and one property to the south of OU-1. The following presents a chronological summary of those investigations. A summary of these investigations is provided on Figure 7-2.

The initial SVI investigation was conducted in October 2002. Samples were collected at 11 locations (9 homes, one building on OU-1 (11-2002), and one property to the south of OU-1 (10-2002). The locations selected were in close proximity to where subsurface MGP tar was observed. Only the building on OU-1 had MGP tar directly under the building. The 2002 sample locations are shown in blue on Figure 7-2. No impacts to indoor air were observed, but as a result of elevated levels (as compared to USEPA and NYSDOH indoor and outdoor air background databases) of potentially site related vapors in the sub-slab vapor samples at 10 locations, a second round of soil vapor sampling was conducted at the ten locations. The 10 locations were:

- 39-2003,
- 8-2002,
- 7-2002,
- 4-2002,
- 3-2002,
- 2-2002,
- 1-2002,
- 12-2002,
- 9-2002, and
- 11-2002

Slightly elevated levels of potentially site related vapors were identified in the soil gas at location 33-2003. Although some MGP-related compounds were detected in the soil gas, several compounds expected to be associated with MGP residuals were not detected in the soil gas samples. Since many of the compounds detected are present in petroleum and some household chemicals, the source of the concentrations is unknown. Compounds detected in the indoor air samples at 33-2003 were within the range of typical background conditions and were similar to the concentrations found in the ambient air sample.

The second investigation event was completed in March-April 2003. Samples were collected at 42 locations (the 11 locations from Round 1 and 31 new locations). These sample locations are shown in yellow on Figure 7-2. After analyzing the sample results, 38 locations were found not to be impacted by site related constituents. The following four locations were identified as requiring additional sampling, since relatively elevated levels of several potentially site related constituents were observed in the soil vapor.

- 3-2003,
- 36-2003,
- 4-2005, and
- 26-2003.

In addition to these 4, one other location, 34-2003 was noted by NYSDEC as needing additional investigation or mitigation if it was not “decommissioned.” To date, this building has not been decommissioned.

The follow-up sampling at the 4 locations performed during the March-April 2003 sampling round was conducted in March 2005. These locations are shown in pink on Figure 7-2. At three of the four locations, potentially site-related contamination was not observed and no further sampling was recommended. An additional round of sampling was recommended at one location, 1-2005, based on elevated levels (as compared to USEPA and NYSDOH indoor and outdoor air background databases) of potentially site related

contamination observed in the soil vapor. The follow up sampling took place following remediation of the nearby source material along the west side of Washington Street.

The 1-2005 location was re-evaluated in 2009. Also in 2009, eight homes on West Court Street between Fulton and Meadow Streets were evaluated, as portions of the wooden duct system remained along that block. These nine locations are listed below and shown in green on Figure 7-2.

- 1-2009,
- 2-2009,
- 3-2009,
- 4-2009,
- 5-2009,
- 6-2009,
- 7-2009,
- 8-2009, and
- 9-2009.

Based on the evaluation, no further sampling was recommended to evaluate exposures related to potential soil vapor intrusion at the 1-2009 location and in the area on West Court Street between Fulton and Meadow Streets.

One location (1-2010) was re-evaluated in March 2010 based on proximity to site-related impacts observed in the subsurface soil. This location is shown in orange on Figure 7-2. Based on the evaluation, no further sampling was recommended to evaluate exposures related to soil vapor intrusion.

Based on the data collected to date, levels of site-related constituents in the sampled soil vapor were generally below the 90th percentile of the NYSDOH background indoor air values. Based on these levels, further actions are not anticipated to be required (Personal communication with NYSDEC, 2010). The sampled areas represent locations where MGP tar was historically present in the subsurface. Furthermore, the concentrations of site-related constituents in the subsurface are expected to further decrease with time due to the removal of subsurface sources as part of the remedial activities completed at the site.

8.0 Qualitative human health exposure assessment

This section integrates the data and information obtained during the investigation in order to perform a qualitative assessment of the potential for exposure to MGP-related residuals. This assessment was performed by identifying potential sources, migration routes for the COC discussed in Section 5, potential receptors, and potential exposure pathways at, and in the vicinity of the Site. The assessment follows guidelines specified in the "*NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation*" [NYSDEC, 2010].

8.1 Site setting

This investigation has focused on two general areas that are located off-site to the former MGP Site, including: 1) Area 1, which consists of the off-site properties in the vicinity of the former plant Site; and 2) Area 2, which consists of properties located along Washington Street. The potential for a receptor to be exposed to MGP-related residuals in these areas is discussed in the following sections.

8.1.1 Area 1

Area 1 is located adjacent to and downgradient of the former MGP Site and consists of residential properties. This area is composed of houses, grassy and brush covered areas, and pavement.

8.1.2 Area 2

Area 2 is located along Washington Street, downgradient of the wooden duct that runs from the former MGP Site along Court Street. This area is composed of houses, grassy and brush covered areas, and pavement.

8.2 Exposure assessment

Exposure is the process by which humans come into contact with chemicals in their environment. Humans can be exposed to chemicals in a variety of environmental media including surface soil, subsurface soil, sediments, groundwater, and air. Exposure to these media can occur through several routes including ingestion, dermal contact, and inhalation. The exposure assessment identifies pathways by which humans are potentially exposed to COC. The assessment includes the following:

- Development of a conceptual Site model;
- Discussion of potential sources;
- Evaluation of data using health-based screening criteria;
- Discussion of potential release mechanisms; and
- Identification of potential human receptors and receptor-specific exposure pathways.

Although the potential for exposure to MGP residuals at the Site includes an evaluation of the potential for exposure to COCs via drinking impacted Site groundwater, according to information provided by the City of Ithaca, all residential and commercial properties in the City obtain drinking water from municipal sources. Other than an evaluation of potential incidental ingestion of impacted groundwater during subsurface construction activities, this pathway is not further discussed in this exposure assessment. The management of groundwater impacted by Site-related residuals will be addressed in the Feasibility Study (FS).

8.2.1 Conceptual Site model

Figure 8-1 presents the conceptual model for the investigation area. Included on the figure is information regarding the known or potential sources of COC, the identified release mechanisms, and the affected source media. The potential migration pathways, the potential exposure media, and the potential exposure routes are identified. Note that the exposure routes are considered potential unless there is an ongoing or documented exposure. Information regarding the potential receptors identified in each area is presented in Table 8-1.

8.2.2 Potential sources of residuals

The sources of environmental impact for the investigation area are residual materials associated with the former MGP-related structures. In Area 1, coal tar and coal tar NAPL were observed in the subsurface soil at several boring locations to the north and west of the former MGP Site. Coal tar and coal tar NAPL were also observed in the subsurface soil to the northwest of the former MGP Site along North Plain Street.

Sampling in Area 2 revealed localized areas of contamination present in sand lenses in the silty clay layer. This contamination likely migrated along Washington Street through sand lenses from the wooden duct that formerly ran along Court Street from the former MGP Site. No significant sources of NAPL or coal tar are present in Area 2.

Observed contamination in Areas 1 and 2 appears to exist five feet bgs and deeper with no observed impacts in the surface soil. In Area 1, the impacts were observed in a gravel layer surrounded by a confining silty clay that acts to limit potential movement of coal tar and coal tar NAPL.

Volatile and semi-volatile compounds in the impacted soil around found in Areas 1 and 2 appear to have leached to groundwater in localized areas roughly corresponding to nearby impacted soil.

8.2.3 Potential release mechanisms

As shown on Figure 8-1, there are several potential release mechanisms by which the constituents identified in the soil and groundwater may be transported to other media. Each mechanism is considered for the identified media and potential receptor group. Potential release mechanisms for soil and include the following:

- **Fugitive Dust**. Constituents in subsurface soil could be present in fugitive dust which is released via physical disturbance;
- **Volatilization**. Volatile constituents may potentially be transported from subsurface soil by volatilizing into soil-pore space and eventually emanate into ambient or indoor air; and
- **Leaching**. Constituents in surface or subsurface soil or sediment could potentially leach to groundwater.

There are three mechanisms by which constituents in groundwater can be transported to other media. These migration pathways include the following:

- **Adsorption**. Constituents in groundwater may be sorbed onto subsurface soils;
- **Volatilization to Ambient Air**. Volatile constituents in groundwater may potentially desorb into soil gas and be transported into ambient or indoor air; and
- **Extraction.** Constituents in groundwater may migrate to other media by extraction and use of impacted groundwater. Note that, as indicated above, groundwater is not used at the Site and potable water in the Village is obtained from municipal sources.

Each of these potential release mechanisms is evaluated for each potential receptor group on Table 8-1.

8.2.4 Potential human receptors and exposure pathways

This section discusses the identified potential receptors and the potential that the receptor may be exposed to Site-related residuals.

Area 1 receptors

An assessment of potential exposure pathways for receptors in Area 1 is presented in Table 8-1. The analysis includes an identification of each potential receptor group, a listing of each potential exposure media and potential exposure pathway, and a rationale for inclusion or exclusion of each potential receptor in the consideration of remedial actions for the FS. Potential receptor groups and potential exposure pathways that may exist for this area are discussed below.

Indoor occupants

MGP-related impacts were not observed in Area 1 surface soils. As such, the potential for exposure to indoor occupants in this area is considered to be low.

Results from SVI sampling indicate that soil vapor intrusion is not a concern in Area 1 residences.

Outdoor maintenance workers

Outdoor Maintenance Workers may potentially be exposed to COC in subsurface soil via direct contact pathways (i.e., incidental ingestion, dermal contact, and inhalation of volatiles or particulates) while performing heavy maintenance activities such as subsurface excavations. Since typical outdoor maintenance activities do not involve subsurface excavations and MGP-related impacts were not observed in surface soils, the potential for exposure is considered to be low.

Outdoor subsurface utility workers

Outdoor Subsurface Utility Workers may potentially be exposed to COC in subsurface soil and groundwater via incidental ingestion, dermal contact, and inhalation of volatiles or particulates if subsurface excavation work is needed to install or repair underground utility lines or equipment in Area 1. Only properly trained field personnel should complete subsurface utility or repair work in these impacted areas using methods specified in a Site-specific health and safety plan (HASP) until the areas have been cleared of impacted materials. Potential remedial actions to manage the impacted media in these areas will be evaluated in the FS.

Pedestrians

Since MGP-related impacts were not observed in surface soils, the potential for exposure is considered to be low.

Area 2 receptors

An assessment of potential exposure pathways for receptors in Area 2 is presented in Table 8-1. The analysis includes an identification of each potential receptor group, a listing of each potential exposure media and potential exposure pathway, and a rationale for inclusion or exclusion of each potential receptor in the consideration of remedial actions for the FS. Potential receptor groups and potential exposure pathways that may exist for this area are discussed below.

Indoor occupants

MGP-related impacts were not observed in Area 2 surface soils. As such, the potential for exposure to indoor occupants in this area is considered to be low.

Results from SVI sampling indicate that soil vapor intrusion is not a concern in Area 2 residences.

Outdoor maintenance workers

Outdoor Maintenance Workers may potentially be exposed to COC in subsurface soil via direct contact pathways (i.e., incidental ingestion, dermal contact, and inhalation of volatiles or particulates) while performing heavy maintenance activities such as subsurface excavations. Since typical outdoor maintenance activities do not involve subsurface excavations and MGP-related impacts were not observed in surface soils, the potential for exposure is considered to be low.

Outdoor subsurface utility workers

Outdoor Subsurface Utility Workers may potentially be exposed to COC in subsurface soil and groundwater via incidental ingestion, dermal contact, and inhalation of volatiles or particulates if subsurface excavation work is needed to install or repair underground utility lines or equipment in Area 2. Only properly trained field personnel should complete subsurface utility or repair work in these impacted areas using methods specified in a Site-specific health and safety plan (HASP) until the areas have been cleared of impacted materials. Potential remedial actions to manage the impacted media in these areas will be evaluated in the FS.

Pedestrians

Since MGP-related impacts were not observed in surface soils, the potential for pedestrians to be exposed to site-related contamination is considered to be low.

8.3 Potential ecological impacts

The need for a Fish and Wildlife Impact Analysis (FWIA) is specified in the NYSDEC document entitled "*Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (FWIA)*" [NYSDEC, 1994]. As indicated in the document, a complete first step for a FWIA (Step I Site Description) is necessary for Sites with fish and wildlife resources that may be affected by Site-related contaminants. If no resources are associated with the Site, or if there is no potential for contaminant migration to the resources, then information to support that conclusion should be provided.

Based on the sampling performed during the RI, it does not appear that a FWIA is necessary for OU2 of the Court Street MGP Site. OU2 is located within a mix of residential and commercial property with no fish and wildlife resources. Also, observed tar-impacted soil is limited to the deeper soil interval (5 feet bgs) in OU2, and therefore is unlikely to present an exposure risk to an ecological receptor. Groundwater does not appear to be significantly impacted.

9.0 Summary and conclusions

This section summarizes the findings of the investigation of the Ithaca Court Street OU2 Site. An overview of the nature and extent of COC is presented by area of concern and by media, and known and potential source areas are identified.

9.1 Site geology

- Historic fill material covers the majority of the Site in a layer of varying thickness ranging up to 11 feet.
- The fill consists primarily of silt, sand, gravel, bricks, glass, concrete, wood, and metal debris and sporadically contains varying amounts of cinders and ash.
- Beneath the fill is a silty sand unit that is composed of tan-gray fine sand and silt with trace organics and some orange mottling.
- Locally, beneath the silty sand is a sand and gravel unit that is comprised of medium to coarse gravel with little fine sand and silt. The gravel unit was observed at Area 1 boring locations to the west and north of OU1. This unit was not observed at any of the Area 2 soil boring locations.
- Beneath the tan-gray silty sand or gravel where present, lies a gray silty clay unit. Thin lenses of medium to coarse sand were identified in this unit. The thickness of the silty clay unit ranges from approximately 15 to 20 feet. It appears likely that the continuous layer of clayey silt which underlies the Site is acting as a confining unit.
- A gray sand and gravel unit was identified beneath the silty clay in OU-2. This sand and gravel unit consists of medium to fine-grained brown sand, with coarse gravel, and some peat. The bottom of this unit was not encountered in any of the soil borings at OU-2.

9.2 Site hydrogeology

- Two groundwater systems were identified, a shallow, unconfined aquifer in the fill and upper silty sands and an intermediate, confined aquifer in the deeper permeable sands.
- Shallow groundwater is found at depths which ranged from approximately 3 to 6 feet bgs across the Site.
- Shallow groundwater flows from the southeast to the northwest across the Site.
- Shallow groundwater flows at a horizontal gradient of approximately 0.003-0.006 feet per foot (ft/ft).
- Groundwater is not used for drinking water in the immediate vicinity of the Site. Drinking water for the City of Ithaca is provided by municipal sources.

9.3 Nature and extent of constituents of interest

Three media were investigated at the Site, including subsurface soil, groundwater, and air. Conclusions for each media, by area, are summarized below.

9.3.1 Surface Soil

- Several surface soil samples collected between 2001 and 2003 contained at least one PAH compound at concentrations greater than the corresponding recommended soil cleanup objectives.

- A forensic analysis of PAH sources was conducted by evaluating ratios of PAHs in surface soils versus subsurface soils. It is likely, based on the results of the analysis, that the background and surface soil sample PAHs share a common source that is different from the site-related subsurface sample PAH impacts.

9.3.2 Area 1 Subsurface soil

- Coal tar or coal tar NAPL impacts were observed at several soil borings advanced to the west of OU1. At each of these borings, coal tar NAPL-impacted soil was observed between 11 and 15 feet bgs and within the gravel unit. Impacts were not observed in the underlying clay in any of these soil borings.

- Coal tar or coal tar NAPL impacts were observed in eight soil borings advanced to the north of OU-1 along North Plain Street. These impacts were observed either within the gravel unit or within sand lenses in the upper portion of the silty clay. The depth of impacts observed in this area ranges from 9 to 15 feet bgs.

- NAPL blebs, or coal tar NAPL impacts were observed in several borings advanced north of OU1 along Esty Street. Consistent with the other borings advance in Area 1, the impacts observed in this area were generally contained within the gravel unit. Impacts were not observed in the underlying silty clay in this area.
- Based on the results of the 2010 investigation and previous investigations, with the exception of some isolated sand lenses, MGP-related impacts appear generally limited to the gravel unit, which extends to the west and north of OU1. Additionally, it is likely that the gravel unit is a conduit for the migration of MGP residuals from OU1. The underlying silty clay is likely acting as a confining layer, limiting the downward migration of MGP residuals.

9.3.3 Area 1 Groundwater

- Benzene was detected at concentrations greater than the groundwater standard in the samples from two of the 15 wells sampled in Area 1, MW11S and MW44S.

- One PAH compound, acenaphthene was detected in the groundwater sample collected from MW11S at a concentration of 82 µg/L, which was greater than the groundwater guidance value of 20 µg/L. PAHs were not detected at concentrations greater than the groundwater standards or guidance values in any other samples collected from Area 1 monitoring wells during March 2010.

- Total cyanide was detected in six of the 15 wells sampled in Area1. None of the concentrations were found to be greater than the groundwater standard of 200 µg/L.

9.3.4 Area 1 Soil vapor

Soil vapor, indoor air, and ambient air samples were collected at the residence at 420 North Plain Street during March 2010. The sample results were compared to a database of typical background indoor air concentrations from fuel oil heated homes in New York State that was compiled by the NYSDOH in 2003, and revised in 2005. The low level VOCs detected in these samples are likely not indicative of MGP-related impacts.

9.3.5 NAPL baildown summary

DNAPL was observed to accumulate in the sump for recovery well RW5. Three draw-down tests were performed that consisted of removing the NAPL in the well sump with a peristaltic pump. As shown on Figure 5-3, NAPL was observed to accumulate in the well sump at an average rate of 0.42 feet per day. Additional testing may be required to further evaluate the potential for NAPL recovery at this location.

9.3.6 Area 2 subsurface soil

- MGP-related impacts were observed in six soil borings advanced during 2010. These borings include SB144, SB147, SB153, SB156, SB158, and MW48S.

- MGP related impacts were only observed at boring locations along the west side of Washington Street and in close proximity to the utility corridor.

- Trace NAPL stringers, NAPL blebs, or sheen were observed in very thin, isolated sand lenses and/or root channels within the silty clay unit. Impacts were observed at depths ranging from six to 19 feet bgs.

- With the exception of the isolated sand lenses and root channels, visible evidence of MGP-related residuals was not observed in the silty clay in any of the Area 2 borings.

- Trace NAPL and sheen were observed in borings SB96 and SB147. These impacts were observed within a local pocket of sand and gravel. No other sand and gravel pockets were observed in any other Area 2 soil borings.

9.3.7 Area 2 Groundwater

- BTEX compounds were detected at concentrations greater than their respective groundwater standards in the samples from three of the 23 wells sampled in Area 2, MW39, MW46S, and MW48S. The total BTEX concentrations detected in these wells ranged from 12.17 µg/L at MW39 to 2,972 µg/L at MW46S.

- Two PAH compounds, acenaphthene and naphthalene were detected at concentrations greater than the respective groundwater guidance values of 20 µg/L and 10 µg/L in the samples collected from MW39, MW46S, and MW48S. PAHs were not detected at concentrations greater than the groundwater standards or guidance values in any other samples collected from Area 2 monitoring wells.

- Total cyanide was detected in six of the 23 wells sampled in Area 2. The cyanide concentration detected in the sample from MW22S (384 µg/L) was found to be greater than the groundwater standard of 200 µg/L. Cyanide was not detected at concentrations greater than the groundwater standard in any other samples collected from Area 2 monitoring wells.

9.4 Human health exposure assessment

A qualitative human health exposure assessment was performed for Area 1 and Area 2 of the Site. The assessment identified several potential pathways that could result in an exposure to impacted media at the Site.

9.4.1 Area 1 receptors

MGP-related impacts were not observed in Area 1 surface soils. As such, the potential for exposure to indoor occupants in this area is considered to be low.

Outdoor Subsurface Utility Workers may potentially be exposed to COC in subsurface soil and groundwater via incidental ingestion, dermal contact, and inhalation of volatiles or particulates if subsurface excavation work is needed to install or repair underground utility lines or equipment in Area 1. Potential remedial actions to manage the impacted media in these areas will be evaluated in the FS.

Since MGP-related impacts were not observed in surface soils, the potential for pedestrians to be exposed to site-related contamination is considered to be low.

9.4.2 Area 2 receptors

MGP-related impacts were not observed in Area 2 surface soils. As such, the potential for exposure to indoor occupants in this area is considered to be low.

Outdoor Subsurface Utility Workers may potentially be exposed to COC in subsurface soil and groundwater via incidental ingestion, dermal contact, and inhalation of volatiles or particulates if subsurface excavation work is needed to install or repair underground utility lines or equipment in Area 2. Potential remedial actions to manage the impacted media in these areas will be evaluated in the FS.

Since MGP-related impacts were not observed in surface soils, the potential for pedestrians to be exposed to site-related contamination is considered to be low.

9.4.3 Potential ecological impacts

Based on the sampling performed during the RI, it does not appear that a FWIA is necessary for OU-2 of the Court Street MGP Site. OU-2 is located within a mix of residential and commercial property with no fish and wildlife resources. Also, observed tar-impacted soil is limited to the deeper soil interval (5 feet bgs) in OU-2, and therefore is unlikely to present an exposure risk to an ecological receptor.

10.0 Recommendations

10.1 Remedial investigation

Within Area 3, two test pits were planned to be excavated in the vicinity of the former Cayuga Inlet Site to evaluate subsurface soil conditions and to identify, if present, the location of any remaining wooden ducts and/or clay tile pipes (Figure 3-1). At NYSEG's request, and with the NYSDEC's approval, excavation of these test pits was postponed. NYSEG plans to remove remaining portions of the wooden duct system between Fulton and Meadow Street during the fall of 2010 during which time the test pits may be excavated concurrently to facilitate a single mobilization.

Groundwater samples should be collected from within OU-1 and OU-2 to further evaluate whether the removal of source material at OU-1 has been effective at addressing groundwater quality. Additional groundwater sampling may be necessary to further evaluate whether the removal of the wooden duct system along Court Street and impacted soil near the intersection of Washington and Esty Streets have been effective at addressing groundwater quality in Area 2. Additional groundwater sampling may also be necessary to evaluate monitored natural attenuation as a potential remedy.

10.2 Interim remedial measures

Interim Remedial Measures (IRMs) are warranted when existing Site conditions pose an immediate threat to human health or the environment. Such conditions often come about due to on-going releases of constituents to surface water, groundwater, or soil vapor, or where exposure pathways allow the receptors to come into contact with the impacted media. Conditions that would warrant an IRM were not observed during the RI. MGP-related residuals are limited to the deeper soil intervals therefore do not pose an immediate risk to receptors as the residuals are isolated from human contact. Additionally, groundwater in the vicinity of the Site is not used for drinking water.

10.3 Feasibility study

With the observations and data presented in this report, an evaluation of conditions on the Site and the adjacent properties has been performed fulfilling the specifications of the Order on Consent. Following approval of this report by the NYSDEC, a Feasibility Study (FS) evaluation of remedial options will be prepared to identify methods that may be used to remediate the impacted media. The evaluation will review potential remedial actions for both the on-site and outlet areas, and will address subsurface soil, groundwater, and sediments. Depending on the remedy which is ultimately selected, additional field testing/sampling may be required.

11.0 References

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Tables

Table 3-1
RI Sample Summary and Rationale
Ithaca Court Street Former MGP Site - OU2

Sample ID	Rationale or Location	Completion Depth (ft bgs)	Laboratory Sample Depth (ft bgs)	Number of Samples	Laboratory Analyses
Subsurface Soil Borings - Area 1					
SB132	To assess the horizontal and vertical extent of impacts observed at SB52	25	6-8	1	VOC, SVOC, Total CN
SB133	To assess the horizontal and vertical extent of impacts observed at SB52 and SB108	25	12.5-13.5	1	
SB134	To assess the horizontal and vertical extent of impacts observed at SB55	25	8-10, 10-12	2	
SB135	To assess the horizontal and vertical extent of impacts observed at GL-9	25	15-17	1	
SB136		25	12.5-15	1	
SB137		25	12.5-15	1	
SB138	To assess the horizontal and vertical extent of impacts observed at SB24	25	15-16, 22.5-25	2	
SB139	To assess the horizontal and vertical extent of impacts observed at SB48	25	10-12, 15-17.5	2	
SB140	To assess the horizontal and vertical extent of impacts observed at SB48 and SB21	25	12.5-15, 18-20	2	
SB141	To assess the horizontal and vertical extent of impacts observed at SB21	35	21-23	1	
SB160	To assess the horizontal and vertical extent of impacts observed at SB135	15	10-11, 11-13	2	
SB161	To assess the horizontal and vertical extent of impacts observed at SB52	20	15-17	1	
SB162	To assess the horizontal and vertical extent of impacts observed at SB135	20	13-13.5, 19-20	2	
SB163		16	12-14	1	
SB164	To identify potential conduits for the migration of MGP residuals	20	15-17	1	
SB165		20	8-10	1	
SB166		20	10-12	1	
SB167		20	16-17.5	1	
SB168		20	15-17	1	
SB169		20	13-15, 19-20	2	
SB170		20	--	0	
SB171		20	3-5, 10-12.5	2	
SB172		20	--	0	
SB174		20	15-17	1	
SB175	To assess the horizontal and vertical extent of impacts observed at SB135	18	11-12.5	1	
MW43S	To install shallow water table well downgradient of OU-1	25	6.5-7.5	1	
MW44S		20	10-11	1	
RW4	To evaluate the potential for NAPL recovery at a location downgradient of OU-1	20	12.5-14.5, 18-20	2	
RW5		20	15-17	1	
RW6		20	13-15	1	
Subsurface Soil Borings - Area 2					
SB142	To assess soil conditions in a location north of impacts observed at SB96	25	8-10	1	VOC, SVOC, Total CN
SB143		25	8-10	1	
SB144	To assess the horizontal and vertical extent of impacts observed at SB96	25	12-13, 20-22	2	
SB145		25	12.5-14.5	1	
SB146		25	6-8	1	
SB147	To assess soil conditions in an area along the subsurface utility corridor on Washington St.	25	8-10, 10-12	2	
SB148		25	10-12	1	
SB149		25	10-12	1	
SB150		25	7-8	1	
SB151		20	11-12	1	
SB152	To assess soil conditions at a location west of impacts observed at the intersection of Esty and Washington Streets	20	8-9	1	
SB153		20	5-7, 12.5-14	2	
SB154	To assess soil conditions at a location east of impacts observed at the intersection of Esty and Washington Streets	20	10-11	1	
SB155		20	10-11	1	
SB156	To assess soil conditions at a location west of impacts observed at the intersection of Esty and Washington Streets	25	10-11.5, 13-15	2	
SB157	To assess soil conditions at a location east of impacts observed at the intersection of Esty and Washington Streets	25	10-11	1	
SB158	To assess the horizontal and vertical extent of impacts observed at SB60	25	8-10, 13-15	2	
SB159		25	11-12.5, 12.5-15	2	
MW45S	To install a shallow water table well at a location downgradient of MW-22S.	20	6-7	1	
MW46S	To install a shallow water table well in the vicinity of former monitoring well MW-16S and subsurface utilities along Washington St.	25	15-16, 18-20	2	
MW47S	To install a shallow water table well in the vicinity of subsurface utilities along Washington St.	25	5.5-7.5	1	
MW48S	To install a shallow water table well in the vicinity of the historic IRM at the intersection of Washington and Esty Streets	20	10-11, 13-15	2	

Table 3-1
RI Sample Summary and Rationale
Ithaca Court Street Former MGP Site - OU2

Sample ID	Rationale or Location	Completion Depth (ft bgs)	Laboratory Sample Depth (ft bgs)	Number of Samples	Laboratory Analyses
Groundwater Samples - Area 1					
MW-11S	To assess shallow (S) and deep (D) groundwater conditions at a location downgradient of OU1.	NA	Center of screened interval	At each location: 1	VOC, SVOC, Total CN
MW-11D					
MW-12S					
MW-14S					
MW-14D					
MW-20S					
MW-20D					
MW-24S					
MW-24D					
MW-25S					
MW-27					
MW-41S					
MW-42					
MW-43S					
MW-44S					
Groundwater Samples - Area 2					
MW-17S	To assess shallow (S) and deep (D) groundwater conditions in the vicinity of the former wooden duct system and the Washington Street utility corridor.	NA	Center of screened interval	At each location: 1	VOC, SVOC, Total CN
MW-17D					
MW-21S					
MW-21D					
MW-22S					
MW-22D					
MW-23S					
MW-23D					
MW-29S					
MW-30S					
MW-31S					
MW-32S					
MW-33S					
MW-35S					
MW-36					
MW-37					
MW-38					
MW-39					
MW-40					
MW-45S					
MW-46S					
MW-47S					
MW-48S					
SVI Samples					
SV 420 N. PLAIN	To assess SVI impacts at location downgradient of SB162	2-4 in	NA	At each location: 1	VOC
IA 420 N. PLAIN		NA			
AMB 420 N. PLAIN					

Notes:
ft bgs - feet below ground surface
SVOCs - Semi-Volatile Organic Compounds
VOCs - Volatile Organic Compounds
CN - Cyanide
NA - Not Applicable

Table 3-2
Monitoring Well Construction
Groundwater Elevations - March 8, 2010
Ithaca Court Street Former MGP Site - OU2

Well Number*	Screened Interval (feet bgs)	Ground Surface Elevation (feet NAVD 88)	Top of PVC Riser Reference Elevation (feet NAVD 88)	Depth to Water 3/8/2010 (feet TOC)	Elevation of Water 3/8/2010 (feet NAVD 88)
MW-11S	NA	392.17	NM	5.67	386.50
MW-11D	NA	392.32	NM	4.68	387.64
MW-12S	NA	392.88	NM	3.63	389.25
MW-14S	3-10	391.55	NM	4.80	386.75
MW-14D	24-34	391.27	NM	4.24	387.03
MW-17S	4-9	387.85	388.30	8.15	380.15
MW-17D	20-30	387.91	388.21	1.99	386.22
MW-20S	5-15	390.87	NM	4.91	385.96
MW-20D	24-34	390.61	NM	3.20	387.41
MW-21S	5-10	388.31	388.66	3.20	385.46
MW-21D	20-30	388.14	388.69	2.14	386.55
MW-22S	4-14	386.74	387.15	3.10	384.05
MW-22D	20-30	386.71	387.19	3.10	384.09
MW-23S	4-14	387.02	387.62	5.93	381.69
MW-23D	20-30	392.53	392.92	5.63	387.29
MW-24S	4-14	392.40	NM	5.65	386.75
MW-24D	24-34	392.53	NM	4.00	388.53
MW-25S	3-10	391.44	391.22	5.25	385.97
MW-27	3-10	392.22	391.78	2.75	389.03
MW-29S	2.5-12	387.66	387.34	4.32	383.02
MW-30S	2.5-10	388.24	388.01	4.82	383.19
MW-31S	4-12	388.23	387.92	6.50	381.42
MW-32S	4-10	387.42	387.01	3.90	383.11
MW-33S	2.5-10	387.82	387.55	3.00	384.55
MW-35S	3-8	389.35	388.8	2.35	386.45
MW-36	3-9	387.34	387.12	3.40	383.72
MW-37	3-8	387.68	387.09	2.44	384.65
MW-38	3-8	388.48	388.16	7.02	381.14
MW-39	3-8.5	388.60	388.11	3.31	384.80
MW-40	3-9	387.39	386.99	3.60	383.39
MW-41S	3-9	393.16	392.84	6.15	386.69
MW-42	3-12	392.85	392.38	6.20	386.18
MW-43S	5-15	391.94	391.53	5.45	386.08
MW-44S	4-14	392.12	391.90	5.83	386.07
MW-45S	4-14	387.01	386.70	3.50	383.20
MW-46S	8-18	387.58	387.21	3.66	383.55
MW-47S	5-15	387.77	387.45	4.31	383.14
MW-48S	4-14	387.15	386.854	3.85	383.00
RW5	4-14	391.9	391.69	NM	NA
RW6	4-14	393.18	392.95	NM	NA

Notes:
Feet bgs -- feet below ground surface
Feet TOC -- feet below top of casing riser reference
Feet NAVD88 -- Elevation Data in Mean Sea Level (MSL) above NAVD88
NM - Not Measured
NA - Not Available
*All wells were completed as flush-mounts.

Table 6-1
Subsurface Soil VOC Results
Ithaca Court Street Former MGP Site - OU2

Sample Designation / Area Location / Sample Date / Lab Sample ID	CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	SB132(6-8) Area 1 02/12/2010 RTB0628-01	SB133 (12.5-13.5) Area 1 02/12/10 RTB0760-15	SB134(8-10) Area 1 2/12/2010 RTB0628-02	SB134(10-12) Area 1 2/12/2010 RTB0628-03	SB135(15-17) Area 1 2/11/2010 RTB0628-04	SB136(12.5-15) Area 1 2/11/2010 RTB0628-05	SB137(12.5-15) Area 1 2/11/2010 RTB0628-06	SB138(15-16) Area 1 2/11/2010 RTB0628-07	SB138(22.5-25) Area 1 2/11/2010 RTB0628-08	SB139(10-12.5) Area 1 2/10/2010 RTB0628-09	SB139(15-17.5) Area 1 2/10/2010 RTB0628-10	SB140(12.5-15) Area 1 2/10/2010 RTB0628-11
BTEX Compounds (mg/Kg)															
Benzene	71-43-2	4.8	44	0.00032 U	0.0041 J	0.00027 U	0.00031 U	0.00032 U	0.00029 U	0.00032 U	0.00034 U	0.058	0.024	0.00032 U	0.057
Ethylbenzene	100-41-4	41	390	0.00045 U	0.00042 U	0.00038 U	0.00044 U	0.0051 J	0.00041 U	0.00045 U	0.00048 U	0.014	0.18	0.00045 U	4.5
Toluene	108-88-3	100	500	0.0005 U	0.00046 U	0.00041 U	0.00048 U	0.0005 U	0.00045 U	0.00049 U	0.00052 U	0.00056 U	0.00049 U	0.00049 U	0.13
Xylenes (total)	1330-20-7	100	500	0.0011 U	0.001 U	0.00092 U	0.0011 U	0.0028 J	0.00099 U	0.0011 U	0.0012 U	0.038	0.041	0.0011 U	6
Total BTEX (mg/Kg)	NA	NL	NL	-- U	0.0041	-- U	-- U	0.0079	-- U	-- U	-- U	0.11	0.245	-- U	10.687
Other VOCs (mg/Kg)															
1,1,1-Trichloroethane	71-55-6	100	500	0.00048 U	0.00044 U	0.0004 U	0.00046 U	0.00048 U	0.00043 U	0.00047 U	0.0005 U	0.00054 U	0.00047 U	0.00047 U	0.00043 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	0.0011 U	0.00099 U	0.00089 U	0.001 U	0.0011 U	0.00096 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.00095 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NL	NL	0.0033 U	0.003 U	0.0027 U	0.0032 U	0.0033 U	0.003 U	0.0033 U	0.0035 U	0.0037 U	0.0033 U	0.0033 U	0.0029 U
1,1,2-Trichloroethane	79-00-5	NL	NL	0.00033 U	0.00031 U	0.00027 U	0.00032 U	0.00033 U	0.0003 U	0.00033 U	0.00035 U	0.00037 U	0.00033 U	0.00033 U	0.0003 U
1,1-Dichloroethane	75-34-3	26	240	0.00032 U	0.0003 U	0.00027 U	0.00031 U	0.00032 U	0.00029 U	0.00032 U	0.00034 U	0.00037 U	0.00032 U	0.00032 U	0.00029 U
1,1-Dichloroethene	75-35-4	100	500	0.0008 U	0.00074 U	0.00067 U	0.00078 U	0.0008 U	0.00072 U	0.0008 U	0.00085 U	0.00091 U	0.0008 U	0.0008 U	0.00072 U
1,2,4-Trichlorobenzene	120-82-1	NL	NL	0.0004 U	0.00037 U	0.00033 U	0.00039 U	0.0004 U	0.00036 U	0.0004 U	0.00042 U	0.00045 U	0.0004 U	0.0004 U	0.00036 U
1,2-Dibromo-3-chloropropane	96-12-8	NL	NL	0.0052 U	0.0049 UJ	0.0044 U	0.0051 U	0.0053 U	0.0047 U	0.0052 U	0.0055 U	0.006 U	0.0052 U	0.0052 U	0.0047 U
1,2-Dibromoethane	106-93-4	NL	NL	0.00025 U	0.00023 U	0.00021 U	0.00024 U	0.00025 U	0.00022 U	0.00025 U	0.00026 U	0.00028 U	0.00025 U	0.00025 U	0.00022 U
1,2-Dichlorobenzene	95-50-1	100	500	0.00051 U	0.00048 U	0.00043 U	0.0005 U	0.00051 U	0.00046 U	0.00051 U	0.00054 U	0.00058 U	0.00051 U	0.00051 U	0.00046 U
1,2-Dichloroethane	107-06-2	3.1	30	0.00033 U	0.00031 U	0.00027 U	0.00032 U	0.00033 U	0.0003 U	0.00033 U	0.00035 U	0.00037 U	0.00033 U	0.00033 U	0.0003 U
1,2-Dichloroethene (total)	540-59-0			0.0034 U	0.0032 U	0.0029 U	0.0033 U	0.0034 U	0.0031 U	0.0034 U	0.0036 U	0.0039 U	0.0034 U	0.0034 U	0.0031 U
1,2-Dichloropropane	78-87-5	NL	NL	0.0033 U	0.003 U	0.0027 U	0.0032 U	0.0033 U	0.003 U	0.0033 U	0.0035 U	0.0037 U	0.0033 U	0.0033 U	0.0029 U
1,3-Dichlorobenzene	541-73-1	49	280	0.00034 U	0.00031 U	0.00028 U	0.00033 U	0.00034 U	0.0003 U	0.00033 U	0.00036 U	0.00038 U	0.00033 U	0.00034 U	0.0003 U
1,4-Dichlorobenzene	106-46-7	13	130	0.00092 U	0.00085 U	0.00077 U	0.00089 U	0.00092 U	0.00083 U	0.00091 U	0.00097 U	0.001 U	0.00091 U	0.00091 U	0.00082 U
2-Butanone	78-93-3	100	500	0.0024 U	0.0084 J	0.0032 J	0.0046 J	0.011 J	0.0022 U	0.0043 J	0.012 J	0.035 J	0.0037 J	0.0041 J	0.0077 J
2-Hexanone	591-78-6	NL	NL	0.0033 U	0.003 U	0.0027 U	0.0032 U	0.0033 U	0.003 U	0.0033 U	0.0035 U	0.0037 U	0.0033 U	0.0033 U	0.0029 U
4-Methyl-2-pentanone	108-10-1	NL	NL	0.0021 U	0.002 U	0.0018 U	0.0021 U	0.0022 U	0.0019 U	0.0021 U	0.0023 U	0.0024 U	0.0021 U	0.0021 U	0.0019 U
Acetone	67-64-1	100	500	0.016 J	0.078	0.025 J	0.032	0.072	0.015 J	0.026 J	0.069	0.16	0.022 J	0.028 J	0.044
Bromodichloromethane	75-27-4	NL	NL	0.00034 U	0.00031 U	0.00028 U	0.00033 U	0.00034 U	0.0003 U	0.00033 U	0.00036 U	0.00038 U	0.00033 U	0.00034 U	0.0003 U
Bromoform	75-25-2	NL	NL	0.0033 UJ	0.003 UJ	0.0027 UJ	0.0032 UJ	0.0033 UJ	0.003 UJ	0.0033 UJ	0.0035 UJ	0.0037 UJ	0.0033 UJ	0.0033 UJ	0.0029 UJ
Bromomethane	74-83-9	NL	NL	0.0015 U	0.0013 U	0.0012 U	0.0014 U	0.0015 U	0.0013 U	0.0014 U	0.0015 U	0.0017 U	0.0014 U	0.0015 U	0.0013 U
Carbon disulfide	75-15-0	NL	NL	0.00056 U	0.00052 U	0.00047 U	0.00055 U	0.00056 U	0.00051 U	0.00056 U	0.00059 U	0.00064 U	0.00056 U	0.00056 U	0.0005 U
Carbon tetrachloride	56-23-5	2.4	22	0.00063 U	0.00059 UJ	0.00053 U	0.00062 U	0.00064 U	0.00057 U	0.00063 U	0.00067 U	0.00072 U	0.00063 U	0.00063 U	0.00057 U
Chlorobenzene	108-90-7	100	500	0.00086 U	0.0008 U	0.00072 U	0.00084 U	0.00087 U	0.00078 U	0.00086 U	0.00091 U	0.00098 U	0.00086 U	0.00086 U	0.00078 U
Chloroethane	75-00-3	NL	NL	0.0027 U	0.0025 UJ	0.0023 U	0.0027 U	0.0027 U	0.0025 U	0.0027 U	0.0029 U	0.0031 U	0.0027 U	0.0027 U	0.0024 U
Chloroform	67-66-3	49	350	0.0004 U	0.00038 U	0.00034 U	0.00039 U	0.00041 U	0.00037 U	0.0004 U	0.00043 U	0.00046 U	0.0004 U	0.0004 U	0.00036 U
Chloromethane	74-87-3	NL	NL	0.0004 U	0.00037 U	0.00033 U	0.00039 U	0.0004 U	0.00036 U	0.00039 U	0.00042 U	0.00045 U	0.00039 U	0.00039 U	0.00036 U
cis-1,2-Dichloroethene	156-59-2	100	500	0.00032 U	0.0003 U	0.00027 U	0.00031 U	0.00032 U	0.00029 U	0.00032 U	0.00034 U	0.00037 U	0.00032 U	0.00032 U	0.00029 U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	0.00037 U	0.00035 U	0.00031 U	0.00036 U	0.00037 U	0.00034 U	0.00037 U	0.00039 U	0.00042 U	0.00037 U	0.00037 U	0.00034 U
Cyclohexane	110-82-7	NL	NL	0.0003 U	0.00028 U	0.00025 U	0.00029 U	0.0003 U	0.00027 U	0.0003 U	0.00032 U	0.00034 U	0.0003 U	0.0003 U	0.00027 U
Dibromochloromethane	124-48-1	NL	NL	0.00036 U	0.00034 UJ	0.0003 U	0.00035 U	0.00036 U	0.00033 U	0.00036 U	0.00038 U	0.00041 U	0.00036 U	0.00036 U	0.00032 U
Dichlorodifluoromethane	75-71-8	NL	NL	0.00054 U	0.0005 U	0.00045 U	0.00053 U	0.00054 U	0.00049 U	0.00054 U	0.00057 U	0.00062 U	0.00054 U	0.00054 U	0.00049 U
Isopropylbenzene	98-82-8	NL	NL	0.00099 U	0.0063	0.00083 U	0.00096 U	0.00099 U	0.00089 U	0.00098 U	0.001 U	0.0011 U	0.023	0.00099 U	0.15
Methyl acetate	79-20-9	NL	NL	0.00036 U	0.00033 UJ	0.0003 U	0.00035 U	0.00036 U	0.00032 U	0.00035 U	0.00037 U	0.0004 U	0.00035 U	0.00035 U	0.00032 U
Methyl tert-butyl ether	1634-04-4	100	500	0.00064 U	0.0006 U	0.00054 U	0.00063 U	0.00065 U	0.00058 U	0.00064 U	0.00068 U	0.00073 U	0.00064 U	0.00064 U	0.00058 U
Methylcyclohexane	108-87-2	NL	NL	0.00042 U	0.00039 U	0.00035 U	0.00041 U	0.00043 U	0.00038 U	0.00042 U	0.00045 U	0.00048 U	0.00042 U	0.00042 U	0.00038 U
Methylene chloride	75-09-2	100	500	0.0013 U	0.036	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0013 U	0.0014 U	0.0015 U	0.0013 U	0.0013 U	0.0012 U
Styrene	100-42-5	NL	NL	0.00033 U	0.0003 U	0.00027 U	0.00032 U	0.00033 U	0.0003 U	0.00033 U	0.00035 U	0.00037 U	0.00033 U	0.00033 U	0.00029 U
Tetrachloroethene	127-18-4	19	150	0.00088 U	0.00082 U	0.00073 U	0.00086 U	0.00088 U	0.00079 U	0.00087 U	0.00093 U	0.001 U	0.00087 U	0.00088 U	0.00079 U
trans-1,2-Dichloroethene	156-60-5	100	500	0.00068 U	0.00063 U	0.00056 U	0.00066 U	0.00068 U	0.00061 U	0.00067 U	0.00071 U	0.00077 U	0.00067 U	0.00067 U	0.00061 U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	0.00032 U	0.0003 UJ	0.00027 U	0.00031 U	0.00032 U	0.00029 U	0.00032 U	0.00034 U	0.00036 U	0.00032 U	0.00032 U	0.00029 U
Trichloroethene	79-01-6	21	200	0.00045 U	0.00042 U	0.00038 U	0.00044 U	0.00045 U	0.00041 U	0.00045 U	0.00048 U	0.00051 U	0.00045 U	0.00045 U	0.00041 U
Trichlorofluoromethane	75-69-4	NL	NL	0.00062 U	0.00058 UJ	0.00052 U	0.0006 U	0.00062 U	0.00056 U	0.00062 U	0.00065 U	0.0007 U	0.00062 U	0.00062 U	0.00056 U
Vinyl chloride	75-01-4	0.9	13	0.0008 U	0.00074 U	0.00067 U	0.00078 U	0.0008 U	0.00072 U	0.00079 U	0.00084 U	0.00091 U	0.00079 U	0.0008 U	0.00072 U
Total VOCs (mg/Kg) (Note 1)	NA	NL	NL	0.016	0.1328	0.0282	0.0366	0.0909	0.015	0.0303	0.081	0.305	0.2937	0.0321	10.8887

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
R = The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.
mg/Kg = micrograms per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total VOCs includes all of the BTEX and other VOC compounds.

Table 6-1
Subsurface Soil VOC Results
Ithaca Court Street Former MGP Site - OU2

Sample Designation / Area Location / Sample Date / Lab Sample ID	CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	SB140(18-20) Area 1 2/10/2010 RTB0628-12	SB141(21-23) Area 1 2/10/2010 RTB0628-13	SB142 (8-10) Area 2 2/16/2010 RTB0760-16	SB143 (8-10) Area 2 2/16/2010 RTB0760-14	SB144 (12-13) Area 2 2/16/2010 RTB0760-11	SB144 (20-22) Area 2 2/16/2010 RTB0760-13	SB145 (12.5-14.5) Area 2 2/16/2010 RTB0760-10	SB146 (6-8) Area 2 2/16/2010 RTB0760-12	SB147 (8-10) Area 2 2/17/2010 RTB0876-01	SB147 (10-12) Area 2 2/17/2010 RTB0876-02	SB148 (10-12) Area 2 2/17/2010 RTB0876-03	SB149 (10-12) Area 2 2/17/2010 RTB0876-04
BTEX Compounds (mg/Kg)															
Benzene	71-43-2	4.8	44	0.0003 U	0.00036 U	0.0003 U	0.0003 U	0.019	0.0004 U	0.0003 U	0.00032 U	0.00028 U	0.0003 U	0.00031 U	0.00033 U
Ethylbenzene	100-41-4	41	390	0.0026 J	0.00051 U	0.00042 U	0.00043 U	7.2	0.00057 U	0.0035 J	0.00045 U	0.00039 U	0.00043 U	0.00044 U	0.00047 U
Toluene	108-88-3	100	500	0.00046 U	0.00056 U	0.00046 U	0.00047 U	0.2	0.00062 U	0.00046 U	0.00049 U	0.00043 U	0.00047 U	0.00048 U	0.00051 U
Xylenes (total)	1330-20-7	100	500	0.001 U	0.0013 U	0.001 U	0.001 U	11	0.0014 U	0.0029 J	0.0011 U	0.00095 U	0.0094 J	0.0011 U	0.0011 U
Total BTEX (mg/Kg)	NA	NL	NL	0.0026	-- U	-- U	-- U	18.419	-- U	0.0064	-- U	-- U	0.0094	-- U	-- U
Other VOCs (mg/Kg)															
1,1,1-Trichloroethane	71-55-6	100	500	0.00044 U	0.00054 U	0.00044 U	0.00045 U	0.00047 U	0.0006 U	0.00045 U	0.00047 U	0.00041 U	0.00045 U	0.00046 U	0.00049 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	0.00099 U	0.0012 U	0.00098 U	0.001 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.00091 U	0.001 U	0.001 U	0.0011 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NL	NL	0.003 U	0.0037 U	0.003 U	0.0031 U	0.0032 U	0.0041 U	0.0031 U	0.0033 U	0.0028 U	0.0031 U	0.0032 U	0.0034 U
1,1,2-Trichloroethane	79-00-5	NL	NL	0.00031 U	0.00037 U	0.0003 U	0.00031 U	0.00032 U	0.00041 U	0.00031 U	0.00033 U	0.00028 U	0.00031 U	0.00032 U	0.00034 U
1,1-Dichloroethane	75-34-3	26	240	0.0003 U	0.00037 U	0.0003 U	0.00031 U	0.00032 U	0.00041 U	0.0003 U	0.00032 U	0.00028 U	0.00031 U	0.00032 U	0.00034 U
1,1-Dichloroethene	75-35-4	100	500	0.00074 U	0.00091 U	0.00074 U	0.00076 U	0.00079 U	0.001 U	0.00075 U	0.0008 U	0.00069 U	0.00076 U	0.00078 U	0.00083 U
1,2,4-Trichlorobenzene	120-82-1	NL	NL	0.00037 U	0.00045 U	0.00037 U	0.00038 U	0.00039 U	0.0005 U	0.00037 U	0.0004 U	0.00034 U	0.00038 U	0.00039 U	0.00041 U
1,2-Dibromo-3-chloropropane	96-12-8	NL	NL	0.0049 U	0.006 U	0.0048 UJ	0.005 UJ	0.0051 U	0.0066 UJ	0.0049 U	0.0052 UJ	0.0045 UJ	0.005 UJ	0.0051 UJ	0.0054 UJ
1,2-Dibromoethane	106-93-4	NL	NL	0.00023 U	0.00028 U	0.00023 U	0.00024 U	0.00024 U	0.00031 U	0.00023 U	0.00025 U	0.00021 U	0.00024 U	0.00024 U	0.00026 U
1,2-Dichlorobenzene	95-50-1	100	500	0.00048 U	0.00058 U	0.00047 U	0.00048 U	0.0005 U	0.00064 U	0.00048 U	0.00051 U	0.00044 U	0.00049 U	0.0005 U	0.00053 U
1,2-Dichloroethane	107-06-2	3.1	30	0.00031 U	0.00037 U	0.0003 U	0.00031 U	0.00032 U	0.00041 U	0.00031 U	0.00033 U	0.00028 U	0.00031 U	0.00032 U	0.00034 U
1,2-Dichloroethene (total)	540-59-0			0.0032 U	0.0039 U	0.0032 U	0.0032 U	0.0034 U	0.0043 U	0.0032 U	0.0034 U	0.0029 U	0.0033 U	0.0034 U	0.0036 U
1,2-Dichloropropane	78-87-5	NL	NL	0.003 U	0.0037 U	0.003 U	0.0031 U	0.0032 U	0.0041 U	0.0031 U	0.0033 U	0.0028 U	0.0031 U	0.0032 U	0.0034 U
1,3-Dichlorobenzene	541-73-1	49	280	0.00031 U	0.00038 U	0.00031 U	0.00032 U	0.00033 U	0.00042 U	0.00032 U	0.00034 U	0.00029 U	0.00032 U	0.00033 U	0.00035 U
1,4-Dichlorobenzene	106-46-7	13	130	0.00085 U	0.001 U	0.00085 U	0.00087 U	0.0009 U	0.0012 U	0.00086 U	0.00091 U	0.00079 U	0.00087 U	0.0009 U	0.00095 U
2-Butanone	78-93-3	100	500	0.0043 J	0.032 J	0.004 J	0.0065 J	0.0056 J	0.021 J	0.0022 U	0.0045 J	0.0021 U	0.0023 U	0.0027 J	0.017 J
2-Hexanone	591-78-6	NL	NL	0.003 U	0.0037 U	0.003 U	0.0031 U	0.0032 U	0.0041 U	0.0031 U	0.0033 U	0.0028 U	0.0031 U	0.0032 U	0.0034 U
4-Methyl-2-pentanone	108-10-1	NL	NL	0.002 U	0.0024 U	0.002 U	0.002 U	0.0021 U	0.0027 U	0.002 U	0.0021 U	0.0018 U	0.002 U	0.0021 U	0.0022 U
Acetone	67-64-1	100	500	0.029 J	0.24	0.07	0.078	0.045	0.15	0.02 J	0.047	0.017 J	0.029 J	0.034	0.11
Bromodichloromethane	75-27-4	NL	NL	0.00031 U	0.00038 U	0.00031 U	0.00032 U	0.00033 U	0.00042 U	0.00032 U	0.00034 U	0.00029 U	0.00032 U	0.00033 U	0.00035 U
Bromoform	75-25-2	NL	NL	0.003 UJ	0.0037 UJ	0.003 UJ	0.0031 UJ	0.0032 U	0.0041 UJ	0.0031 U	0.0033 UJ	0.0028 UJ	0.0031 UJ	0.0032 UJ	0.0034 UJ
Bromomethane	74-83-9	NL	NL	0.0014 U	0.0017 U	0.0013 U	0.0014 U	0.0014 U	0.0018 U	0.0014 U	0.0014 U	0.0012 U	0.0014 U	0.0014 U	0.0015 U
Carbon disulfide	75-15-0	NL	NL	0.00052 U	0.00064 U	0.00052 U	0.00053 U	0.00055 U	0.00071 U	0.00053 U	0.00056 U	0.00048 U	0.00053 U	0.00055 U	0.00058 U
Carbon tetrachloride	56-23-5	2.4	22	0.00059 U	0.00072 U	0.00058 UJ	0.0006 UJ	0.00062 U	0.0008 UJ	0.00059 U	0.00063 UJ	0.00054 UJ	0.0006 UJ	0.00062 UJ	0.00066 UJ
Chlorobenzene	108-90-7	100	500	0.0008 U	0.00098 U	0.0008 U	0.00082 U	0.00085 U	0.0011 U	0.00081 U	0.00086 U	0.00074 U	0.00082 U	0.00085 U	0.0009 U
Chloroethane	75-00-3	NL	NL	0.0025 U	0.0031 U	0.0025 UJ	0.0026 UJ	0.0027 UJ	0.0034 UJ	0.0026 UJ	0.0027 UJ	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0028 UJ
Chloroform	67-66-3	49	350	0.00038 U	0.00046 U	0.00037 U	0.00038 U	0.0004 U	0.00051 U	0.00038 U	0.0004 U	0.00035 U	0.00038 U	0.0004 U	0.00042 U
Chloromethane	74-87-3	NL	NL	0.00037 U	0.00045 U	0.00036 U	0.00037 U	0.00039 U	0.0005 U	0.00037 U	0.00039 U	0.00034 U	0.00038 U	0.00039 U	0.00041 U
cis-1,2-Dichloroethene	156-59-2	100	500	0.0003 U	0.00037 U	0.0003 U	0.00031 U	0.00032 U	0.00041 U	0.0003 U	0.00032 U	0.00028 U	0.00031 U	0.00032 U	0.00034 U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	0.00035 U	0.00042 U	0.00034 U	0.00035 U	0.00037 U	0.00047 U	0.00035 U	0.00037 U	0.00032 U	0.00035 U	0.00036 U	0.00039 U
Cyclohexane	110-82-7	NL	NL	0.00028 U	0.00034 U	0.00028 U	0.00029 U	0.0003 U	0.00038 U	0.00028 U	0.0003 U	0.00026 U	0.00029 U	0.00029 U	0.00031 U
Dibromochloromethane	124-48-1	NL	NL	0.00034 U	0.00041 U	0.00033 UJ	0.00034 UJ	0.00036 U	0.00045 UJ	0.00034 U	0.00036 UJ	0.00031 UJ	0.00034 UJ	0.00035 UJ	0.00038 UJ
Dichlorodifluoromethane	75-71-8	NL	NL	0.0005 U	0.00062 U	0.0005 U	0.00051 U	0.00053 U	0.00068 U	0.00051 U	0.00054 U	0.00046 U	0.00051 U	0.00053 U	0.00056 U
Isopropylbenzene	98-82-8	NL	NL	0.00092 U	0.0011 U	0.00091 U	0.0025 J	0.21	0.0012 U	0.00093 U	0.00098 U	0.00085 U	0.013	0.00097 U	0.001 U
Methyl acetate	79-20-9	NL	NL	0.00033 U	0.0004 U	0.00033 UJ	0.00034 UJ	0.00035 UJ	0.00045 UJ	0.00033 UJ	0.00035 UJ	0.0003 UJ	0.00034 UJ	0.00035 UJ	0.00037 UJ
Methyl tert-butyl ether	1634-04-4	100	500	0.0006 U	0.00073 U	0.00059 U	0.00061 U	0.00063 U	0.00081 U	0.0006 U	0.00064 U	0.00055 U	0.00061 U	0.00063 U	0.00067 U
Methylcyclohexane	108-87-2	NL	NL	0.00039 U	0.00048 U	0.00039 U	0.0004 U	0.00042 U	0.00053 U	0.0004 U	0.00042 U	0.00036 U	0.0004 U	0.00041 U	0.00044 U
Methylene chloride	75-09-2	100	500	0.0012 U	0.0015 U	0.037	0.04	0.016	0.037	0.015	0.015	0.014	0.0057 J	0.0093	0.014
Styrene	100-42-5	NL	NL	0.0003 U	0.00037 U	0.0003 U	0.00031 U	0.00032 U	0.00041 U	0.00031 U	0.00033 U	0.00028 U	0.00031 U	0.00032 U	0.00034 U
Tetrachloroethene	127-18-4	19	150	0.00082 U	0.001 U	0.00081 U	0.00083 U	0.00086 U	0.0011 U	0.00082 U	0.00087 U	0.00075 U	0.00083 U	0.00086 U	0.00091 U
trans-1,2-Dichloroethene	156-60-5	100	500	0.00063 U	0.00077 U	0.00062 U	0.00064 U	0.00066 U	0.00085 U	0.00063 U	0.00067 U	0.00058 U	0.00064 U	0.00066 U	0.0007 U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	0.0003 U	0.00036 U	0.0003 UJ	0.0003 UJ	0.00032 U	0.0004 UJ	0.0003 U	0.00032 UJ	0.00028 UJ	0.0003 UJ	0.00031 UJ	0.00033 UJ
Trichloroethene	79-01-6	21	200	0.00042 U	0.00051 U	0.00042 U	0.00043 U	0.00044 U	0.00057 U	0.00042 U	0.00045 U	0.00039 U	0.00043 U	0.00044 U	0.00047 U
Trichlorofluoromethane	75-69-4	NL	NL	0.00058 U	0.0007 U	0.00057 UJ	0.00059 UJ	0.00061 U	0.00078 UJ	0.00058 U	0.00062 UJ	0.00053 UJ	0.00059 UJ	0.00061 UJ	0.00064 UJ
Vinyl chloride	75-01-4	0.9	13	0.00074 U	0.00091 U	0.00074 U	0.00076 U	0.00078 U	0.001 U	0.00075 U	0.0008 U	0.00069 U	0.00076 U	0.00078 U	0.00083 U
Total VOCs (mg/Kg) (Note 1)	NA	NL	NL	0.0359	0.272	0.111	0.127	18.6956	0.187	0.0414	0.0665	0.031	0.0571	0.046	0.141

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
R = The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.
mg/Kg = micrograms per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total VOCs includes all of the BTEX and other VOC compounds.

Table 6-1
Subsurface Soil VOC Results
Ithaca Court Street Former MGP Site - OU2

Sample Designation / Area Location / Sample Date / Lab Sample ID	CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	SB150 (7-8) Area 2 2/17/2010 RTB0876-05	SB151 (11-12) Area 2 2/23/2010 RTB1059-09	SB152 (8-9) Area 2 2/22/2010 RTB1059-16	SB153 (5-7) Area 2 2/22/2010 RTB1059-14	SB153 (12.5-14) Area 2 2/22/2010 RTB1059-15	SB154 (10-11) Area 2 2/22/2010 RTB1059-08	SB155 (10-11) Area 2 2/18/2010 RTB0876-06	SB156 (10-11.5) Area 2 2/15/2010 RTB0760-01	SB1560 (10-11.5) Area 2 2/15/2010 DUPLICATE	SB156 (13-15) Area 2 2/15/2010 RTB0760-03	SB157 (10-11) Area 2 2/15/2010 RTB0760-02	SB158 (8-10) Area 2 2/15/2010 RTB0760-05
BTEX Compounds (mg/Kg)															
Benzene	71-43-2	4.8	44	0.0003 U	0.00029 U	0.00031 U	0.036	0.0028 J	0.00029 U	0.00031 U	0.012	0.0072	0.00034 U	0.00032 U	0.093
Ethylbenzene	100-41-4	41	390	0.00043 U	0.0004 U	0.00043 U	0.21	0.00046 U	0.0004 U	0.00043 U	0.026	0.017	0.0073	0.00045 U	1.2
Toluene	108-88-3	100	500	0.00047 U	0.00044 U	0.00047 U	0.00049 U	0.00051 U	0.00044 U	0.00047 U	0.00047 U	0.00047 U	0.00052 U	0.0005 U	0.018 J
Xylenes (total)	1330-20-7	100	500	0.001 U	0.00098 U	0.001 U	0.053	0.0011 U	0.00098 U	0.001 U	0.022	0.015	0.0039 J	0.0011 U	1.5
Total BTEX (mg/Kg)	NA	NL	NL	-- U	-- U	-- U	0.299	0.0028	-- U	-- U	0.06	0.0392	0.0112	-- U	2.811
Other VOCs (mg/Kg)															
1,1,1-Trichloroethane	71-55-6	100	500	0.00045 U	0.00042 U	0.00045 U	0.00047 U	0.00049 U	0.00042 U	0.00045 U	0.00045 U	0.00045 U	0.0005 U	0.00048 U	0.0022 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	0.001 U	0.00094 U	0.001 UJ	0.001 UJ	0.0011 UJ	0.00095 UJ	0.001 UJ	0.001 U	0.001 U	0.0011 U	0.0011 U	0.005 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NL	NL	0.0031 U	0.0029 U	0.0031 U	0.0032 U	0.0034 U	0.0029 U	0.0031 U	0.0031 U	0.0031 U	0.0034 U	0.0033 U	0.015 U
1,1,2-Trichloroethane	79-00-5	NL	NL	0.00031 U	0.00029 U	0.00031 U	0.00032 U	0.00034 U	0.00029 U	0.00031 U	0.00031 U	0.00031 U	0.00034 U	0.00033 U	0.0015 U
1,1-Dichloroethane	75-34-3	26	240	0.00031 U	0.00029 U	0.00031 U	0.00032 U	0.00033 U	0.00029 U	0.00031 U	0.00031 U	0.0003 U	0.00034 U	0.00033 U	0.0015 U
1,1-Dichloroethene	75-35-4	100	500	0.00076 U	0.00071 U	0.00076 U	0.00079 U	0.00082 U	0.00072 U	0.00076 U	0.00077 U	0.00075 U	0.00084 U	0.00081 U	0.0038 U
1,2,4-Trichlorobenzene	120-82-1	NL	NL	0.00038 U	0.00035 U	0.00038 U	0.00039 U	0.00041 U	0.00036 U	0.00038 U	0.00038 U	0.00037 U	0.00042 U	0.0004 U	0.0019 U
1,2-Dibromo-3-chloropropane	96-12-8	NL	NL	0.005 UJ	0.0047 U	0.005 UJ	0.0052 UJ	0.0054 UJ	0.0047 UJ	0.005 UJ	0.005 U	0.0049 U	0.0055 U	0.0053 U	0.025 U
1,2-Dibromoethane	106-93-4	NL	NL	0.00024 U	0.00022 U	0.00024 U	0.00025 U	0.00025 U	0.00022 U	0.00024 U	0.00024 U	0.00023 U	0.00026 U	0.00025 U	0.0012 U
1,2-Dichlorobenzene	95-50-1	100	500	0.00049 U	0.00046 U	0.00049 U	0.0005 U	0.00052 U	0.00046 U	0.00049 U	0.00049 U	0.00048 U	0.00054 U	0.00052 U	0.0024 U
1,2-Dichloroethane	107-06-2	3.1	30	0.00031 U	0.00029 U	0.00031 U	0.00032 U	0.00034 U	0.00029 U	0.00031 U	0.00031 U	0.00031 U	0.00034 U	0.00033 U	0.0015 U
1,2-Dichloroethene (total)	540-59-0			0.0033 U	0.0031 U	0.0033 U	0.0034 U	0.0035 U	0.0031 U	0.0033 U	0.0033 U	0.0032 U	0.0036 U	0.0035 U	0.016 U
1,2-Dichloropropane	78-87-5	NL	NL	0.0031 U	0.0029 U	0.0031 U	0.0032 U	0.0034 U	0.0029 U	0.0031 U	0.0031 U	0.0031 U	0.0034 U	0.0033 U	0.015 U
1,3-Dichlorobenzene	541-73-1	49	280	0.00032 U	0.0003 U	0.00032 U	0.00033 U	0.00034 U	0.0003 U	0.00032 U	0.00032 U	0.00032 U	0.00035 U	0.00034 U	0.0016 U
1,4-Dichlorobenzene	106-46-7	13	130	0.00087 U	0.00082 U	0.00087 U	0.0009 U	0.00094 U	0.00082 U	0.00087 U	0.00088 U	0.00086 U	0.00096 U	0.00092 U	0.0043 U
2-Butanone	78-93-3	100	500	0.0023 U	0.0046 J	0.004 J	0.0024 U	0.0082 J	0.0021 U	0.0023 U	0.0023 U	0.0045 J	0.0059 J	0.0032 J	0.011 U
2-Hexanone	591-78-6	NL	NL	0.0031 U	0.0029 U	0.0031 U	0.0032 U	0.0034 U	0.0029 U	0.0031 U	0.0031 U	0.0031 U	0.0034 U	0.0033 U	0.015 U
4-Methyl-2-pentanone	108-10-1	NL	NL	0.002 U	0.0019 U	0.002 U	0.0021 U	0.0022 U	0.0019 U	0.002 U	0.0021 U	0.002 U	0.0022 U	0.0022 U	0.01 U
Acetone	67-64-1	100	500	0.022 J	0.026 J	0.031	0.014 J	0.047	0.012 J	0.018 J	0.021 J	0.034	0.041	0.03 J	0.064 J
Bromodichloromethane	75-27-4	NL	NL	0.00032 U	0.0003 U	0.00032 U	0.00033 U	0.00034 U	0.0003 U	0.00032 U	0.00032 U	0.00032 U	0.00035 U	0.00034 U	0.0016 U
Bromoform	75-25-2	NL	NL	0.0031 UJ	0.0029 U	0.0031 UJ	0.0032 UJ	0.0034 UJ	0.0029 UJ	0.0031 UJ	0.0031 U	0.0031 U	0.0034 U	0.0033 U	0.015 U
Bromomethane	74-83-9	NL	NL	0.0014 U	0.0013 U	0.0014 U	0.0014 U	0.0015 U	0.0013 U	0.0014 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0068 U
Carbon disulfide	75-15-0	NL	NL	0.00053 U	0.0005 U	0.00054 U	0.00055 U	0.00058 U	0.0005 U	0.00054 UJ	0.00054 U	0.00053 U	0.00059 U	0.00057 U	0.0026 U
Carbon tetrachloride	56-23-5	2.4	22	0.0006 UJ	0.00056 U	0.0006 U	0.00062 U	0.00065 U	0.00057 U	0.0006 U	0.00061 U	0.0006 U	0.00066 U	0.00064 U	0.003 U
Chlorobenzene	108-90-7	100	500	0.00082 U	0.00077 U	0.00082 U	0.00085 U	0.00088 U	0.00077 U	0.00082 U	0.00083 U	0.00081 U	0.0009 U	0.00087 U	0.004 U
Chloroethane	75-00-3	NL	NL	0.0026 UJ	0.0024 U	0.0026 U	0.0027 U	0.0028 U	0.0024 U	0.0026 U	0.0026 UJ	0.0026 UJ	0.0028 UJ	0.0027 UJ	0.013 UJ
Chloroform	67-66-3	49	350	0.00038 U	0.00036 U	0.00039 U	0.0004 U	0.00041 U	0.00036 U	0.00039 U	0.00039 U	0.00038 U	0.00042 U	0.00041 U	0.0019 U
Chloromethane	74-87-3	NL	NL	0.00037 U	0.00035 U	0.00038 UJ	0.00039 UJ	0.0004 U	0.00035 UJ	0.00038 U	0.00038 U	0.00037 U	0.00041 U	0.0004 U	0.0019 U
cis-1,2-Dichloroethene	156-59-2	100	500	0.00031 U	0.00029 U	0.00031 U	0.00032 U	0.00033 U	0.00029 U	0.00031 U	0.00031 U	0.0003 U	0.00034 U	0.00032 U	0.0015 U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	0.00035 U	0.00033 U	0.00036 U	0.00037 U	0.00038 U	0.00033 U	0.00036 U	0.00036 U	0.00035 U	0.00039 U	0.00038 U	0.0017 U
Cyclohexane	110-82-7	NL	NL	0.00029 U	0.00027 UJ	0.00029 U	0.0003 U	0.00031 U	0.00027 U	0.00029 U	0.00029 U	0.00028 U	0.00031 U	0.0003 U	0.0014 U
Dibromochloromethane	124-48-1	NL	NL	0.00034 UJ	0.00032 U	0.00034 UJ	0.00036 UJ	0.00037 UJ	0.00032 UJ	0.00034 UJ	0.00035 U	0.00034 U	0.00038 U	0.00036 U	0.0017 U
Dichlorodifluoromethane	75-71-8	NL	NL	0.00051 U	0.00048 U	0.00052 U	0.00053 U	0.00055 U	0.00048 U	0.00052 U	0.00052 U	0.00051 U	0.00057 U	0.00054 U	0.0025 U
Isopropylbenzene	98-82-8	NL	NL	**0.00094** U	0.00088 U	**0.00094** U	0.052	0.001 U	0.00088 U	**0.00094** U	0.017	0.012	0.0038 J	**0.00099** U	0.18
Methyl acetate	79-20-9	NL	NL	0.00034 UJ	0.00032 U	0.00034 UJ	0.00035 UJ	0.00036 UJ	0.00032 UJ	0.00034 UJ	0.00034 UJ	0.00033 UJ	0.00037 UJ	0.00036 UJ	0.0017 UJ
Methyl tert-butyl ether	1634-04-4	100	500	0.00061 U	0.00057 U	0.00061 U	0.00063 U	0.00066 U	0.00057 U	0.00061 U	0.00062 U	0.0006 U	0.00067 U	0.00065 U	0.003 U
Methylcyclohexane	108-87-2	NL	NL	0.0004 U	0.00038 U	0.0004 U	0.00042 U	0.00043 U	0.00038 U	0.0004 U	0.00041 U	0.0004 U	0.00044 U	0.00043 U	0.002 U
Methylene chloride	75-09-2	100	500	0.0043 J	0.0012 U	0.0067	0.0048 J	0.0068	0.0054 J	0.012	0.011	0.014	0.012	0.011	0.064
Styrene	100-42-5	NL	NL	0.00031 U	0.00029 U	0.00031 U	0.00032 U	0.00034 U	0.00029 U	0.00031 U	0.00031 U	0.00031 U	0.00034 U	0.00033 U	0.0015 U
Tetrachloroethene	127-18-4	19	150	0.00083 U	0.00078 U	0.00084 U	0.00087 U	0.0009 U	0.00078 U	0.00084 U	0.00084 U	0.00083 U	0.00092 U	0.00088 U	0.0041 U
trans-1,2-Dichloroethene	156-60-5	100	500	0.00064 U	0.0006 U	0.00064 U	0.00067 U	0.00069 U	0.0006 U	0.00064 U	0.00065 U	0.00063 U	0.00071 U	0.00068 U	0.0032 U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	0.0003 UJ	0.00029 U	0.00031 UJ	0.00032 UJ	0.00033 UJ	0.00029 UJ	0.00031 UJ	0.00031 U	0.0003 U	0.00034 U	0.00032 U	0.0015 U
Trichloroethene	79-01-6	21	200	0.00043 U	0.0004 U	0.00043 U	0.00045 U	0.00046 U	0.0004 U	0.00043 U	0.00043 U	0.00042 U	0.00047 U	0.00045 U	0.0021 U
Trichlorofluoromethane	75-69-4	NL	NL	0.00059 UJ	0.00055 U	0.00059 U	0.00061 U	0.00063 U	0.00055 U	0.00059 U	0.00059 U	0.00058 U	0.00065 U	0.00062 U	0.0029 U
Vinyl chloride	75-01-4	0.9	13	0.00076 U	0.00071 U	0.00076 U	0.00079 U	0.00082 U	0.00071 U	0.00076 U	0.00076 U	0.00075 U	0.00084 U	0.0008 U	0.0037 U
Total VOCs (mg/Kg) (Note 1)	NA	NL	NL	0.0263	0.0306	0.0417	0.3698	0.0648	0.0174	0.03	0.109	0.1037	0.0739	0.0442	3.119

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
R = The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.
mg/Kg = micrograms per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total VOCs includes all of the BTEX and other VOC compounds.

Table 6-1
Subsurface Soil VOC Results
Ithaca Court Street Former MGP Site - OU2

Sample Designation / Area Location / Sample Date / Lab Sample ID	CAS # / CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	SB158 (13-15) Area 2 2/15/2010 RTB0760-07	SB159 (11-12.5) Area 2 2/15/2010 RTB0760-17	SB159 (12.5-15) Area 2 2/15/2010 RTB0760-18	SB160(10-11) Area 1 2/11/2010 RTB0628-14	SB160(11-13) Area 1 2/11/2010 RTB0628-15	SB161 (15-17) Area 1 2/23/2010 RTB1059-12	SB162 (13-13.5) Area 1 2/23/2010 RTB1059-04	SB162 (19-20) Area 1 2/23/2010 RTB1059-05	SB163 (12-14) Area 1 2/24/2010 RTB1059-19	SB 164 (15-17) Area 1 2/25/2010 RTC0394-08	SB 165 (8-10) Area 1 2/25/2010 RTC0394-03	SB 166 (10-12) Area 1 2/25/2010 RTC0394-05
BTEX Compounds (mg/Kg)															
Benzene	71-43-2	4.8	44	0.00032 U	0.0003 U	0.00031 U	0.0029 J	0.00031 UJ	0.014	**93**	0.00032 U	0.00029 U	0.00032 U	0.00029 U	0.00033 U
Ethylbenzene	100-41-4	41	390	0.0044 J	0.0097	0.0034 J	0.00039 U	0.00044 U	0.089	**360**	0.00045 U	0.00041 U	0.022	0.0054 J	0.00047 U
Toluene	108-88-3	100	500	0.0005 U	0.00046 U	0.00047 U	0.00043 U	0.00048 UJ	0.0005 U	4 U	0.0005 U	0.00045 U	0.00049 U	0.00045 U	0.00051 U
Xylenes (total)	1330-20-7	100	500	0.0029 J	0.0058 J	0.0067 J	0.00095 U	0.0011 U	0.15	**390**	0.0011 U	0.00099 U	0.028	0.0074 J	0.0011 U
Total BTEX (mg/Kg)	NA	NL	NL	0.0073	0.0155	0.0101	0.0029	-- U	0.253	843	-- U	-- U	0.05	0.0128	-- U
Other VOCs (mg/Kg)															
1,1,1-Trichloroethane	71-55-6	100	500	0.00048 U	0.00045 U	0.00045 U	0.00041 U	0.00047 U	0.00048 U	3.8 U	0.00048 U	0.00043 U	0.00047 U	0.00043 U	0.00049 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	0.0011 U	0.001 U	0.001 U	0.00092 U	0.001 U	0.0011 U	8.6 U	0.0011 UJ	0.00096 UJ	0.001 U	0.00097 U	0.0011 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NL	NL	0.0033 U	0.0031 U	0.0031 U	0.0028 U	0.0032 U	0.0033 U	26 U	0.0033 U	0.003 U	0.0032 U	0.003 U	0.0034 U
1,1,2-Trichloroethane	79-00-5	NL	NL	0.00033 U	0.00031 U	0.00031 U	0.00029 U	0.00032 U	0.00033 U	2.6 U	0.00033 U	0.0003 U	0.00032 U	0.0003 U	0.00034 U
1,1-Dichloroethane	75-34-3	26	240	0.00033 U	0.0003 U	0.00031 U	0.00028 U	0.00032 U	0.00033 U	2.6 U	0.00032 U	0.00029 U	0.00032 U	0.00029 U	0.00033 U
1,1-Dichloroethene	75-35-4	100	500	0.00081 U	0.00075 U	0.00077 U	0.0007 U	0.00078 U	0.00082 U	6.5 U	0.0008 U	0.00072 U	0.00079 U	0.00073 U	0.00083 U
1,2,4-Trichlorobenzene	120-82-1	NL	NL	0.0004 U	0.00037 U	0.00038 U	0.00035 U	0.00039 U	0.00041 U	3.2 U	0.0004 U	0.00036 U	0.00039 U	0.00036 U	0.00041 U
1,2-Dibromo-3-chloropropane	96-12-8	NL	NL	0.0053 U	0.0049 UJ	0.005 UJ	0.0045 U	0.0051 U	0.0053 U	26 U	0.0053 UJ	0.0047 UJ	0.0052 U	0.0048 U	0.0054 U
1,2-Dibromoethane	106-93-4	NL	NL	0.00025 U	0.00023 U	0.00024 U	0.00022 U	0.00024 U	0.00025 U	2 U	0.00025 U	0.00022 U	0.00025 U	0.00023 U	0.00026 U
1,2-Dichlorobenzene	95-50-1	100	500	0.00052 U	0.00048 U	0.00049 U	0.00044 U	0.0005 U	0.00052 U	4.1 U	0.00051 U	0.00046 U	0.00051 U	0.00047 U	0.00053 U
1,2-Dichloroethane	107-06-2	3.1	30	0.00033 U	0.00031 U	0.00031 U	0.00029 U	0.00032 U	0.00033 U	2.7 U	0.00033 U	0.0003 U	0.00032 U	0.0003 U	0.00034 U
1,2-Dichloroethene (total)	540-59-0			0.0035 U	0.0032 U	0.0033 U	0.003 U	0.0034 U	0.0035 U	0.37 U	0.0034 U	0.0031 U	0.0034 U	0.0031 U	0.0035 U
1,2-Dichloropropane	78-87-5	NL	NL	0.0033 U	0.0031 U	0.0031 U	0.0028 U	0.0032 U	0.0033 U	26 U	0.0033 U	0.003 U	0.0032 U	0.003 U	0.0034 U
1,3-Dichlorobenzene	541-73-1	49	280	0.00034 U	0.00032 U	0.00032 U	0.00029 U	0.00033 U	0.00034 U	2.7 U	0.00034 U	0.0003 U	0.00033 U	0.00031 U	0.00035 U
1,4-Dichlorobenzene	106-46-7	13	130	0.00092 U	0.00086 U	0.00088 U	0.0008 U	0.0009 U	0.00093 U	7.4 U	0.00092 U	0.00083 U	0.00091 U	0.00084 U	0.00094 U
2-Butanone	78-93-3	100	500	0.0087 J	0.0088 J	0.013 J	0.0031 J	0.0023 U	0.023 J	19 U	0.004 J	0.0027 J	0.016 J	0.0049 J	0.0087 J
2-Hexanone	591-78-6	NL	NL	0.0033 U	0.0031 U	0.0031 U	0.0028 U	0.0032 U	0.0033 U	18 U	0.0033 U	0.003 U	0.0032 U	0.003 U	0.0034 U
4-Methyl-2-pentanone	108-10-1	NL	NL	0.0022 U	0.002 U	0.0021 U	0.0019 U	0.0021 U	0.0022 U	17 U	0.0022 U	0.0019 U	0.0021 U	0.002 U	0.0022 U
Acetone	67-64-1	100	500	0.054	0.088	0.11	0.022 J	0.017 J	0.11	12 U	0.034	0.02 J	0.097	0.033	0.048
Bromodichloromethane	75-27-4	NL	NL	0.00034 U	0.00032 U	0.00032 U	0.00029 U	0.00033 U	0.00034 U	2.7 U	0.00034 U	0.0003 U	0.00033 U	0.00031 U	0.00035 U
Bromoform	75-25-2	NL	NL	0.0033 U	0.0031 UJ	0.0031 UJ	0.0028 UJ	0.0032 UJ	0.0033 U	26 U	0.0033 UJ	0.003 UJ	0.0032 UJ	0.003 UJ	0.0034 UJ
Bromomethane	74-83-9	NL	NL	0.0015 U	0.0014 U	0.0014 U	0.0013 U	0.0014 U	0.0015 U	12 UJ	0.0015 U	0.0013 U	0.0014 U	0.0013 U	0.0015 U
Carbon disulfide	75-15-0	NL	NL	0.00057 U	0.00053 U	0.00054 U	0.00049 U	0.00055 U	0.00057 U	4.5 U	0.00056 U	0.00051 U	0.00055 U	0.00051 U	0.00058 U
Carbon tetrachloride	56-23-5	2.4	22	0.00064 U	0.00059 UJ	0.00061 UJ	0.00055 U	0.00062 U	0.00065 U	5.1 U	0.00064 U	0.00057 U	0.00063 U	0.00058 U	0.00065 U
Chlorobenzene	108-90-7	100	500	0.00087 U	0.00081 U	0.00083 U	0.00075 U	0.00085 UJ	0.00088 U	7 U	0.00087 U	0.00078 U	0.00085 U	0.00079 U	0.00089 U
Chloroethane	75-00-3	NL	NL	0.0027 UJ	0.0026 UJ	0.0026 UJ	0.0024 U	0.0027 U	0.0028 U	22 R	0.0027 U	0.0025 U	0.0027 U	0.0025 U	0.0028 U
Chloroform	67-66-3	49	350	0.00041 U	0.00038 U	0.00039 U	0.00035 U	0.0004 U	0.00041 U	3.3 U	0.00041 U	0.00036 U	0.0004 U	0.00037 U	0.00042 U
Chloromethane	74-87-3	NL	NL	0.0004 U	0.00037 U	0.00038 U	0.00034 U	0.00039 U	0.0004 U	3.2 U	0.0004 UJ	0.00036 UJ	0.00039 U	0.00036 U	0.00041 U
cis-1,2-Dichloroethene	156-59-2	100	500	0.00032 U	0.0003 U	0.00031 U	0.00028 U	0.00032 U	0.00033 U	2.6 U	0.00032 U	0.00029 U	0.00032 U	0.00029 U	0.00033 U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	0.00038 U	0.00035 U	0.00036 U	0.00032 U	0.00037 U	0.00038 U	3 U	0.00037 U	0.00034 U	0.00037 U	0.00034 U	0.00038 U
Cyclohexane	110-82-7	NL	NL	0.0003 U	0.00028 U	0.00029 U	0.00026 U	0.00029 U	0.00031 UJ	2.4 U	0.0003 U	0.00027 U	0.0003 U	0.00027 U	0.00031 U
Dibromochloromethane	124-48-1	NL	NL	0.00036 U	0.00034 UJ	0.00035 UJ	0.00031 U	0.00035 U	0.00037 U	3 U	0.00036 UJ	0.00033 UJ	0.00036 U	0.00033 U	0.00037 U
Dichlorodifluoromethane	75-71-8	NL	NL	0.00054 U	0.00051 U	0.00052 U	0.00047 U	0.00053 U	0.00055 U	4.3 U	0.00054 U	0.00049 U	0.00053 UJ	0.00049 UJ	0.00056 UJ
Isopropylbenzene	98-82-8	NL	NL	0.0071	0.0062	0.0062 J	0.00086 U	0.00097 U	0.0035 J	7.9 U	0.00099 U	0.00089 U	0.003 J	0.0009 U	0.001 U
Methyl acetate	79-20-9	NL	NL	0.00036 UJ	0.00033 UJ	0.00034 UJ	0.00031 U	0.00035 U	0.00036 U	2.9 U	0.00036 UJ	0.00032 UJ	0.00035 U	0.00032 U	0.00037 U
Methyl tert-butyl ether	1634-04-4	100	500	0.00065 U	0.0006 U	0.00061 U	0.00056 U	0.00063 U	0.00066 U	5.2 U	0.00065 U	0.00058 U	0.00063 U	0.00059 U	0.00066 U
Methylcyclohexane	108-87-2	NL	NL	0.00043 U	0.0004 U	0.00041 U	0.00037 U	0.00042 U	0.00043 U	3.4 U	0.00043 U	0.00038 U	0.00042 U	0.00039 U	0.00044 U
Methylene chloride	75-09-2	100	500	0.014	0.048	0.041	0.0011 U	0.0013 U	0.0013 U	10 U	0.0053 J	0.0067	0.0013 U	0.0012 U	0.0013 U
Styrene	100-42-5	NL	NL	0.00033 U	0.00031 U	0.00031 U	0.00028 U	0.00032 U	0.00033 U	2.6 U	0.00033 U	0.0003 U	0.00032 U	0.0003 U	0.00034 U
Tetrachloroethene	127-18-4	19	150	0.00088 U	0.00082 U	0.00084 U	0.00076 U	0.00086 U	0.0009 U	7.1 U	0.00088 U	0.00079 U	0.00087 U	0.0008 U	0.00091 U
trans-1,2-Dichloroethene	156-60-5	100	500	0.00068 U	0.00063 U	0.00065 U	0.00059 U	0.00066 U	0.00069 U	5.5 U	0.00068 U	0.00061 U	0.00067 U	0.00062 U	0.0007 U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	0.00032 U	0.0003 UJ	0.00031 UJ	0.00028 U	0.00031 U	0.00033 U	2.5 U	0.00032 UJ	0.00029 UJ	0.00032 U	0.00029 U	0.00033 U
Trichloroethene	79-01-6	21	200	0.00045 U	0.00042 U	0.00043 U	0.00039 U	0.00044 UJ	0.00046 U	3.6 U	0.00045 U	0.00041 U	0.00045 U	0.00041 U	0.00047 U
Trichlorofluoromethane	75-69-4	NL	NL	0.00062 U	0.00058 UJ	0.00059 UJ	0.00054 U	0.00061 U	0.00063 U	5 U	0.00062 U	0.00056 U	0.00061 U	0.00056 U	0.00064 U
Vinyl chloride	75-01-4	0.9	13	0.0008 U	0.00075 U	0.00076 U	0.00069 U	0.00078 U	0.00081 U	6.4 U	0.0008 U	0.00072 U	0.00079 U	0.00073 U	0.00082 U
Total VOCs (mg/Kg) (Note 1)	NA	NL	NL	0.0911	0.1665	0.1803	0.028	0.017	0.3895	843	0.0433	0.0294	0.166	0.0507	0.0567

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
R = The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.
mg/Kg = micrograms per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total VOCs includes all of the BTEX and other VOC compounds.

Table 6-1
Subsurface Soil VOC Results
Ithaca Court Street Former MGP Site - OU2

Sample Designation Area Location Sample Date Lab Sample ID	CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	SB 167 (16-17.5) Area 1 2/25/2010 RTC0394-04		SB168 (15-17) Area 1 2/24/2010 RTB1059-18		SB 169 (13-15) Area 1 2/25/2010 RTC0394-06		SB 169 (19-20) Area 1 2/25/2010 RTC0394-09		SB 171 (3-5) Area 1 2/25/2010 RTC0394-10		SB 171 (10-12.5) Area 1 2/25/2010 RTC0394-07		SB 174 (15-17) Area 1 2/26/2010 RTC0394-02		SB 175 (11-12.5) Area 1 2/26/2010 RTC0394-01		MW43S (6.5-7.5) Area 1 2/12/2010 RTB0760-04		MW44S (10-11) Area 1 2/23/2010 RTB1059-06		MW45S (6-7) Area 2 2/22/2010 RTB1059-07	
BTEX Compounds (mg/Kg)																									
Benzene	71-43-2	4.8	44	0.0003	U	0.0055	J	0.0055	J	0.00031	U	0.0015	U	0.00031	U	0.003	J	0.00033	U	0.00035	U	0.011		0.00028	U
Ethylbenzene	100-41-4	41	390	0.00043	U	0.013		0.15		0.00044	U	0.052		0.00044	U	0.00046	U	0.00046	U	0.0005	U	0.00042	U	0.00039	U
Toluene	108-88-3	100	500	0.00047	U	0.0005	UJ	0.00049	U	0.00048	U	0.0023	U	0.00048	U	0.0005	U	0.0005	UJ	0.00055	U	0.00046	U	0.00043	U
Xylenes (total)	1330-20-7	100	500	0.001	U	0.015		0.079		0.0011	U	0.077		0.0011	U	0.0011	U	0.0011	U	0.0012	U	0.001	U	0.00095	U
Total BTEX (mg/Kg)	NA	NL	NL	--	U	0.0335		0.2345		--	U	0.129		--	U	0.003		--	U	--	U	0.011		--	U
Other VOCs (mg/Kg)																									
1,1,1-Trichloroethane	71-55-6	100	500	0.00045	U	0.00048	U	0.00047	U	0.00046	U	0.0022	U	0.00046	U	0.00048	U	0.00048	U	0.00053	U	0.00044	U	0.00041	U
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	0.001	U	0.0011	U	0.0011	U	0.001	U	0.005	U	0.001	U	0.0011	U	0.0011	U	0.0012	U	0.00098	UJ	0.00092	UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NL	NL	0.0031	U	0.0033	U	0.0032	U	0.0032	U	0.015	U	0.0032	U	0.0033	U	0.0033	U	0.0036	U	0.003	U	0.0028	U
1,1,2-Trichloroethane	79-00-5	NL	NL	0.00031	U	0.00033	U	0.00033	U	0.00032	U	0.0015	U	0.00032	U	0.00033	U	0.00033	U	0.00036	U	0.0003	U	0.00028	U
1,1-Dichloroethane	75-34-3	26	240	0.00031	U	0.00033	U	0.00032	U	0.00031	U	0.0015	U	0.00032	U	0.00033	U	0.00033	U	0.00036	U	0.0003	U	0.00028	U
1,1-Dichloroethene	75-35-4	100	500	0.00076	U	0.00081	U	0.00079	U	0.00078	U	0.0037	U	0.00078	U	0.00081	U	0.00081	U	0.00089	U	0.00074	U	0.00069	U
1,2,4-Trichlorobenzene	120-82-1	NL	NL	0.00038	U	0.0004	U	0.00039	U	0.00039	U	0.0019	U	0.00039	U	0.0004	U	0.0004	U	0.00044	U	0.00037	U	0.00034	U
1,2-Dibromo-3-chloropropane	96-12-8	NL	NL	0.005	U	0.0053	U	0.0052	U	0.0051	U	0.024	U	0.0051	U	0.0053	U	0.0053	U	0.0058	U	0.0048	UJ	0.0045	UJ
1,2-Dibromoethane	106-93-4	NL	NL	0.00024	U	0.00025	U	0.00025	U	0.00024	U	0.0012	U	0.00024	U	0.00025	U	0.00025	U	0.00028	U	0.00023	U	0.00022	U
1,2-Dichlorobenzene	95-50-1	100	500	0.00049	U	0.00052	U	0.00051	U	0.0005	U	0.0024	U	0.0005	U	0.00052	U	0.00052	U	0.00057	U	0.00047	U	0.00044	U
1,2-Dichloroethane	107-06-2	3.1	30	0.00031	U	0.00033	U	0.00033	U	0.00032	U	0.0015	U	0.00032	U	0.00033	U	0.00033	U	0.00036	U	0.0003	U	0.00028	U
1,2-Dichloroethene (total)	540-59-0			0.0033	U	0.0035	U	0.0034	U	0.0033	U	0.016	U	0.0033	U	0.0035	U	0.0035	U	0.0038	U	0.0032	U	0.003	U
1,2-Dichloropropane	78-87-5	NL	NL	0.0031	U	0.0033	U	0.0032	U	0.0032	U	0.015	U	0.0032	U	0.0033	U	0.0033	U	0.0036	U	0.003	U	0.0028	U
1,3-Dichlorobenzene	541-73-1	49	280	0.00032	U	0.00034	U	0.00033	U	0.00033	U	0.0016	U	0.00033	U	0.00034	U	0.00034	U	0.00037	U	0.00031	U	0.00029	U
1,4-Dichlorobenzene	106-46-7	13	130	0.00087	U	0.00092	U	0.00091	U	0.00089	U	0.0043	U	0.00089	U	0.00093	U	0.00093	U	0.001	U	0.00085	U	0.00079	U
2-Butanone	78-93-3	100	500	0.013	J	0.022	J	0.014	J	0.0081	J	0.029	J	0.009	J	0.0096	J	0.012	J	0.0061	J	0.0056	J	0.0021	U
2-Hexanone	591-78-6	NL	NL	0.0031	U	0.0033	U	0.0032	U	0.0032	U	0.015	U	0.0032	U	0.0033	U	0.0033	U	0.0036	U	0.003	U	0.0028	U
4-Methyl-2-pentanone	108-10-1	NL	NL	0.002	U	0.0022	U	0.0021	U	0.0021	U	0.01	U	0.0021	U	0.0022	U	0.0022	U	0.0024	U	0.002	U	0.0019	U
Acetone	67-64-1	100	500	0.074		0.12		0.062		0.056		0.19		0.054		0.055		0.061		0.031	J	0.038		0.013	J
Bromodichloromethane	75-27-4	NL	NL	0.00032	U	0.00034	U	0.00033	U	0.00033	U	0.0016	U	0.00033	U	0.00034	U	0.00034	U	0.00037	U	0.00031	U	0.00029	U
Bromoform	75-25-2	NL	NL	0.0031	UJ	0.0033	U	0.0032	UJ	0.0032	UJ	0.015	UJ	0.0032	UJ	0.0033	UJ	0.0033	UJ	0.0036	U	0.003	UJ	0.0028	UJ
Bromomethane	74-83-9	NL	NL	0.0014	U	0.0015	U	0.0014	U	0.0014	U	0.0068	U	0.0014	U	0.0015	U	0.0015	U	0.0016	U	0.0013	U	0.0013	U
Carbon disulfide	75-15-0	NL	NL	0.00053	U	0.00057	U	0.00056	U	0.00055	U	0.0026	U	0.00055	U	0.00057	U	0.00057	U	0.00062	U	0.00052	U	0.00049	U
Carbon tetrachloride	56-23-5	2.4	22	0.0006	U	0.00064	U	0.00063	U	0.00062	U	0.003	U	0.00062	U	0.00064	U	0.00064	U	0.0007	U	0.00058	U	0.00055	U
Chlorobenzene	108-90-7	100	500	0.00082	U	0.00087	UJ	0.00086	U	0.00084	U	0.004	U	0.00084	U	0.00087	U	0.00088	UJ	0.00096	U	0.0008	U	0.00075	U
Chloroethane	75-00-3	NL	NL	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.013	U	0.0027	U	0.0027	U	0.0028	U	0.003	UJ	0.0025	U	0.0024	U
Chloroform	67-66-3	49	350	0.00038	U	0.00041	U	0.0004	U	0.00039	U	0.0019	U	0.00039	U	0.00041	U	0.00041	U	0.00045	U	0.00037	U	0.00035	U
Chloromethane	74-87-3	NL	NL	0.00037	U	0.0004	U	0.00039	U	0.00038	U	0.0018	U	0.00039	U	0.0004	U	0.0004	U	0.00044	U	0.00036	UJ	0.00034	UJ
cis-1,2-Dichloroethene	156-59-2	100	500	0.00031	U	0.00032	U	0.00032	U	0.00031	U	0.0015	U	0.00031	U	0.00033	U	0.00033	U	0.00036	U	0.0003	U	0.00028	U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	0.00035	U	0.00038	U	0.00037	U	0.00036	U	0.0017	U	0.00036	U	0.00038	U	0.00038	U	0.00041	U	0.00034	U	0.00032	U
Cyclohexane	110-82-7	NL	NL	0.00029	U	0.0003	UJ	0.0003	U	0.00029	U	0.0014	U	0.00029	U	0.0003	U	0.00031	U	0.00033	U	0.00028	U	0.00026	U
Dibromochloromethane	124-48-1	NL	NL	0.00034	U	0.00036	U	0.00036	U	0.00035	U	0.0017	U	0.00035	U	0.00036	U	0.00037	U	0.0004	U	0.00033	UJ	0.00031	UJ
Dichlorodifluoromethane	75-71-8	NL	NL	0.00051	UJ	0.00054	U	0.00054	UJ	0.00053	UJ	0.0025	UJ	0.00053	UJ	0.00055	UJ	0.00055	UJ	0.0006	U	0.0005	U	0.00047	U
Isopropylbenzene	98-82-8	NL	NL	0.00094	U	0.00099	U	0.034		0.00096	U	0.066		0.0059	J	0.001	U	0.001	U	0.0011	U	0.0028	J	0.00085	U
Methyl acetate	79-20-9	NL	NL	0.00034	U	0.00036	U	0.00035	U	0.00035	U	0.0017	U	0.00035	U	0.00036	U	0.00036	U	0.00039	UJ	0.00033	UJ	0.00031	UJ
Methyl tert-butyl ether	1634-04-4	100	500	0.00061	U	0.00065	U	0.00064	U	0.00063	U	0.003	U	0.00063	U	0.00065	U	0.00065	U	0.00071	U	0.00059	U	0.00056	U
Methylcyclohexane	108-87-2	NL	NL	0.0004	U	0.00043	U	0.00042	U	0.00041	U	0.002	U	0.00041	U	0.00043	U	0.00043	U	0.00047	U	0.00039	U	0.00037	U
Methylene chloride	75-09-2	100	500	0.0012	U	0.0013	U	0.0013	U	0.0013	U	0.0061	U	0.0013	U	0.0013	U	0.0013	U	0.012		0.0059	J	0.0052	J
Styrene	100-42-5	NL	NL	0.00031	U	0.00033	U	0.00032	U	0.00032	U	0.0015	U	0.00032	U	0.00033	U	0.00033	U	0.00036	U	0.0003	U	0.00028	U
Tetrachloroethene	127-18-4	19	150	0.00083	U	0.00088	U	0.00087	U	0.00085	U	0.0041	U	0.00086	U	0.00089	U	0.00089	U	0.00097	U	0.00081	U	0.00076	U
trans-1,2-Dichloroethene	156-60-5	100	500	0.00064	U	0.00068	U	0.00067	U	0.00066	U	0.0032	U	0.00066	U	0.00068	U	0.00068	U	0.00075	U	0.00062	U	0.00058	U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	0.0003	U	0.00032	U	0.00032	U	0.00031	U	0.0015	U	0.00031	U	0.00032	U	0.00033	U	0.00035	U	0.0003	UJ	0.00028	UJ
Trichloroethene	79-01-6	21	200	0.00043	U	0.00045	UJ	0.00045	U	0.00044	U	0.0021	U	0.00044	U	0.00046	U	0.00046	UJ	0.0005	U	0.00042	U	0.00039	U
Trichlorofluoromethane	75-69-4	NL	NL	0.00059	U	0.00062	U	0.00061	U	0.0006	U	0.0029	U	0.0006	U	0.00063	U	0.00063	U	0.00069	U	0.00057	U	0.00054	U
Vinyl chloride	75-01-4	0.9	13	0.00076	U	0.0008	U	0.00079	U	0.00078	U	0.0037	U	0.00078	U	0.00081	U	0.00081	U	0.00088	U	0.00074	U	0.00069	U
Total VOCs (mg/Kg) (Note 1)	NA	NL	NL	0.087		0.1755		0.3445		0.0641		0.414		0.0689		0.0676		0.073		0.0491		0.0633		0.0182	

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
R = The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.
mg/Kg = micrograms per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total VOCs includes all of the BTEX and other VOC compounds.

Table 6-1
Subsurface Soil VOC Results
Ithaca Court Street Former MGP Site - OU2

Sample Designation Area Location Sample Date Lab Sample ID	CAS # CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	MW46S (15-16) Area 2 2/15/2010 RTB0760-09	MW46S (18-20) Area 2 2/15/2010 RTB0760-06	MW47S (5.5-7.5) Area 2 2/17/2010 RTB0876-09	MW48S (10-11) Area 2 2/22/2010 RTB1059-10	MW480 (10-11) Area 2 2/22/2010 DUPLICATE	MW48S (13-15) Area 2 2/22/2010 RTB1059-11	RW4 (12-15.5) Area 1 2/23/2010 RTB1059-03	RW4 (18-20) Area 1 2/23/2010 RTB1059-02	RW5 (15-17) Area 1 2/24/2010 RTB1059-01	RW6 (13-15) Area 1 2/24/2010 RTB1059-13
BTEX Compounds (mg/Kg)													
Benzene	71-43-2	4.8	44	0.87	0.0004 U	0.0003 U	0.34	0.086	0.11	0.034	0.0038 J	0.041	0.0004 U
Ethylbenzene	100-41-4	41	390	3.8	0.0044 J	0.00043 U	0.97	0.23	0.0042 J	0.2	0.036	0.034	0.00056 U
Toluene	108-88-3	100	500	0.014	0.00062 U	0.00047 U	0.0029 J	0.0056 J	0.00052 U	0.00048 U	0.00048 U	0.00049 U	0.00061 U
Xylenes (total)	1330-20-7	100	500	4.3	0.0033 J	0.001 U	0.18	0.36	0.0091 J	0.089	0.011 J	0.038	0.0014 U
Total BTEX (mg/Kg)	NA	NL	NL	8.984	0.0077	-- U	1.49	0.6816	0.1233	0.323	0.0508	0.113	-- U
Other VOCs (mg/Kg)													
1,1,1-Trichloroethane	71-55-6	100	500	0.00048 U	0.0006 U	0.00045 U	0.00045 U	0.00045 U	0.0005 U	0.00046 U	0.00046 U	0.00047 U	0.00059 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	0.0011 U	0.0013 U	0.001 U	0.001 UJ	0.001 UJ	0.0011 UJ	0.001 UJ	0.001 UJ	0.001 UJ	0.0013 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NL	NL	0.0033 U	0.0041 U	0.0031 U	0.0031 U	0.0031 U	0.0034 U	0.0032 U	0.0032 U	0.0032 U	0.004 U
1,1,2-Trichloroethane	79-00-5	NL	NL	0.00033 U	0.00041 U	0.00031 U	0.00031 U	0.00031 U	0.00034 U	0.00032 U	0.00032 U	0.00032 U	0.00041 U
1,1-Dichloroethane	75-34-3	26	240	0.00033 U	0.00041 U	0.00031 U	0.00031 U	0.00031 U	0.00034 U	0.00031 U	0.00031 U	0.00032 U	0.0004 U
1,1-Dichloroethene	75-35-4	100	500	0.00081 U	0.001 U	0.00076 U	0.00076 U	0.00076 U	0.00084 U	0.00078 U	0.00078 U	0.00079 U	0.00099 U
1,2,4-Trichlorobenzene	120-82-1	NL	NL	0.0004 U	0.0005 U	0.00038 U	0.00038 U	0.00038 U	0.00042 U	0.00039 U	0.00039 U	0.00039 U	0.00049 U
1,2-Dibromo-3-chloropropane	96-12-8	NL	NL	0.0053 U	0.0066 U	0.005 UJ	0.0049 UJ	0.005 UJ	0.0055 UJ	0.0051 UJ	0.0051 UJ	0.0052 UJ	0.0065 UJ
1,2-Dibromoethane	106-93-4	NL	NL	0.00025 U	0.00031 U	0.00024 U	0.00023 U	0.00024 U	0.00026 U	0.00024 U	0.00024 U	0.00025 U	0.00031 U
1,2-Dichlorobenzene	95-50-1	100	500	0.00052 U	0.00065 U	0.00048 U	0.00048 U	0.00049 U	0.00053 U	0.0005 U	0.0005 U	0.00051 U	0.00063 U
1,2-Dichloroethane	107-06-2	3.1	30	0.00033 U	0.00041 U	0.00031 U	0.00031 U	0.00031 U	0.00034 U	0.00032 U	0.00032 U	0.00032 U	0.00041 U
1,2-Dichloroethene (total)	540-59-0			0.0035 U	0.0043 U	0.0032 U	0.0032 U	0.0033 U	0.0036 U	0.0033 U	0.0033 U	0.0034 U	0.0042 U
1,2-Dichloropropane	78-87-5	NL	NL	0.0033 U	0.0041 U	0.0031 U	0.0031 U	0.0031 U	0.0034 U	0.0032 U	0.0032 U	0.0032 U	0.004 U
1,3-Dichlorobenzene	541-73-1	49	280	0.00034 U	0.00042 U	0.00032 U	0.00032 U	0.00032 U	0.00035 U	0.00033 U	0.00033 U	0.00033 U	0.00042 U
1,4-Dichlorobenzene	106-46-7	13	130	0.00093 U	0.0012 U	0.00087 U	0.00087 U	0.00087 U	0.00096 U	0.00089 U	0.00089 U	0.0009 U	0.0011 U
2-Butanone	78-93-3	100	500	0.0077 J	0.015 J	0.0023 U	0.0049 J	0.011 J	0.0053 J	0.0067 J	0.0082 J	0.009 J	0.011 J
2-Hexanone	591-78-6	NL	NL	0.0033 U	0.0041 U	0.0031 U	0.0031 U	0.0031 U	0.0034 U	0.0032 U	0.0032 U	0.0032 U	0.004 U
4-Methyl-2-pentanone	108-10-1	NL	NL	0.0022 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0027 U
Acetone	67-64-1	100	500	0.045	0.079	0.01 J	0.034	0.064	0.034	0.033	0.054	0.059	0.055
Bromodichloromethane	75-27-4	NL	NL	0.00034 U	0.00042 U	0.00032 U	0.00032 U	0.00032 U	0.00035 U	0.00033 U	0.00033 U	0.00033 U	0.00042 U
Bromoform	75-25-2	NL	NL	0.0033 U	0.0041 U	0.0031 UJ	0.0031 UJ	0.0031 UJ	0.0034 UJ	0.0032 UJ	0.0032 UJ	0.0032 UJ	0.004 UJ
Bromomethane	74-83-9	NL	NL	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0014 U	0.0015 U	0.0014 U	0.0014 U	0.0014 U	0.0018 U
Carbon disulfide	75-15-0	NL	NL	0.00057 U	0.00071 U	0.00053 U	0.00053 U	0.00053 U	0.00059 U	0.00054 U	0.00055 U	0.00055 U	0.00069 U
Carbon tetrachloride	56-23-5	2.4	22	0.00064 U	0.0008 U	0.0006 UJ	0.0006 U	0.0006 U	0.00066 U	0.00061 U	0.00062 U	0.00063 U	0.00078 U
Chlorobenzene	108-90-7	100	500	0.00087 U	0.0011 U	0.00082 U	0.00082 U	0.00082 U	0.0009 U	0.00084 U	0.00084 U	0.00085 U	0.0011 U
Chloroethane	75-00-3	NL	NL	0.0028 UJ	0.0034 UJ	0.0026 UJ	0.0026 U	0.0026 U	0.0028 U	0.0026 U	0.0027 U	0.0027 U	0.0034 U
Chloroform	67-66-3	49	350	0.00041 U	0.00051 U	0.00038 U	0.00038 U	0.00038 U	0.00042 U	0.00039 U	0.00039 U	0.0004 U	0.0005 U
Chloromethane	74-87-3	NL	NL	0.0004 U	0.0005 U	0.00037 U	0.00037 UJ	0.00037 UJ	0.00041 UJ	0.00038 UJ	0.00039 UJ	0.00039 UJ	0.00049 UJ
cis-1,2-Dichloroethene	156-59-2	100	500	0.00033 U	0.00041 U	0.0003 U	0.0003 U	0.00031 U	0.00034 U	0.00031 U	0.00031 U	0.00032 U	0.0004 U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	0.00038 U	0.00047 U	0.00035 U	0.00035 U	0.00035 U	0.00039 U	0.00036 U	0.00036 U	0.00037 U	0.00046 U
Cyclohexane	110-82-7	NL	NL	0.0003 U	0.00038 U	0.00028 U	0.00028 U	0.00029 U	0.00031 U	0.00029 U	0.00029 U	0.0003 U	0.00037 U
Dibromochloromethane	124-48-1	NL	NL	0.00036 U	0.00046 U	0.00034 UJ	0.00034 UJ	0.00034 UJ	0.00038 UJ	0.00035 UJ	0.00035 UJ	0.00036 UJ	0.00045 UJ
Dichlorodifluoromethane	75-71-8	NL	NL	0.00055 U	0.00068 U	0.00051 U	0.00051 U	0.00051 U	0.00056 U	0.00052 U	0.00053 U	0.00053 U	0.00067 U
Isopropylbenzene	98-82-8	NL	NL	0.029	0.0012 U	0.00093 U	0.046	0.084	0.0077	0.014	0.00096 U	0.00097 U	0.0012 U
Methyl acetate	79-20-9	NL	NL	0.00036 UJ	0.00045 UJ	0.00034 UJ	0.00034 UJ	0.00034 UJ	0.00037 UJ	0.00034 UJ	0.00035 UJ	0.00035 UJ	0.00044 UJ
Methyl tert-butyl ether	1634-04-4	100	500	0.00065 U	0.00081 U	0.00061 U	0.00061 U	0.00061 U	0.00067 U	0.00062 U	0.00063 U	0.00063 U	0.00079 U
Methylcyclohexane	108-87-2	NL	NL	0.00043 U	0.00053 U	0.0004 U	0.0004 U	0.0004 U	0.00044 U	0.00041 U	0.00041 U	0.00042 U	0.00052 U
Methylene chloride	75-09-2	100	500	0.012	0.016	0.01	0.0054 J	0.0055 J	0.0056 J	0.0044 J	0.0062 J	0.0069	0.0059 J
Styrene	100-42-5	NL	NL	0.00033 U	0.00041 U	0.00031 U	0.00031 U	0.00031 U	0.00034 U	0.00032 U	0.00032 U	0.00032 U	0.0004 U
Tetrachloroethene	127-18-4	19	150	0.00089 U	0.0011 U	0.00083 U	0.00083 U	0.00083 U	0.00092 U	0.00085 U	0.00086 U	0.00087 U	0.0011 U
trans-1,2-Dichloroethene	156-60-5	100	500	0.00068 U	0.00085 U	0.00064 U	0.00064 U	0.00064 U	0.0007 U	0.00066 U	0.00066 U	0.00067 U	0.00083 U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	0.00032 U	0.0004 U	0.0003 UJ	0.0003 UJ	0.0003 UJ	0.00033 UJ	0.00031 UJ	0.00031 UJ	0.00032 UJ	0.0004 UJ
Trichloroethene	79-01-6	21	200	0.00046 U	0.00057 U	0.00043 U	0.00043 U	0.00043 U	0.00047 U	0.00044 U	0.00044 U	0.00045 U	0.00056 U
Trichlorofluoromethane	75-69-4	NL	NL	0.00063 U	0.00078 U	0.00059 UJ	0.00058 U	0.00059 U	0.00065 U	0.0006 U	0.0006 U	0.00061 U	0.00076 U
Vinyl chloride	75-01-4	0.9	13	0.00081 U	0.001 U	0.00076 U	0.00075 U	0.00076 U	0.00083 U	0.00077 U	0.00078 U	0.00079 U	0.00099 U
Total VOCs (mg/Kg) (Note 1)	NA	NL	NL	9.0777	0.1027	0.02	1.5803	0.8461	0.1759	0.3811	0.1192	0.1879	0.0719

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
R = The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.
mg/Kg = micrograms per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total VOCs includes all of the BTEX and other VOC compounds.

Table 6-2
Subsurface Soil SVOC and Cyanide Results
Ithaca Court Street Former MGP Site - OU2

Sample Designation / Area Location / Sample Date / Lab Sample ID	CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	SB132(6-8) Area 1 2/12/2010 RTB0628-01	SB133 (12.5-13.5) Area 1 2/12/2010 RTB0760-15	SB134(8-10) Area 1 2/12/2010 RTB0628-02	SB134(10-12) Area 1 2/12/2010 RTB0628-03	SB135(15-17) Area 1 2/11/2010 RTB0628-04	SB136(12.5-15) Area 1 2/11/2010 RTB0628-05	SB137(12.5-15) Area 1 2/11/2010 RTB0628-06	SB138(15-16) Area 1 2/11/2010 RTB0628-07	SB138(22.5-25) Area 1 2/11/2010 RTB0628-08	SB139(10-12.5) Area 1 2/10/2010 RTB0628-09	SB139(15-17.5) Area 1 2/10/2010 RTB0628-10	SB140(12.5-15) Area 1 2/10/2010 RTB0628-11
PAH Compounds (mg/Kg)															
2-Methylnaphthalene	91-57-6	NL	NL	0.0028 U	0.0025 U	0.77 J	0.0026 U	0.0027 U	0.0025 U	0.0026 U	0.0028 U	0.18 J	0.0027 U	0.0027 U	2.4
Acenaphthene	83-32-9	100	500	0.0027 U	0.13 J	3.5 J	0.0025 U	0.0027 U	0.0024 U	0.0026 U	0.0027 U	0.11 J	0.0026 U	0.0026 U	1.7
Acenaphthylene	208-96-8	100	500	0.0019 U	0.0017 U	0.58 J	0.0018 U	0.0019 U	0.0017 U	0.0018 U	0.0019 U	0.0021 U	0.0018 U	0.0018 U	0.28
Anthracene	120-12-7	100	500	0.0059 U	0.0052 U	6.8 J	0.0055 U	0.0058 U	0.0052 U	0.0056 U	0.006 U	0.016 J	0.0057 U	0.0057 U	0.58
Benzo(a)anthracene	56-55-3	1	5.6	0.0039 U	0.0035 U	**13**	0.0037 U	0.0039 U	0.0035 U	0.0038 U	0.004 U	0.022 J	0.0038 U	0.0038 U	0.39
Benzo(a)pyrene	50-32-8	1	1	0.0055 U	0.0049 U	**9.2**	0.0052 U	0.0055 U	0.0049 U	0.0052 U	0.0056 U	0.0061 U	0.0054 U	0.0053 U	0.32
Benzo(b)fluoranthene	205-99-2	1	5.6	0.0044 U	0.004 U	**11**	0.0042 U	0.0044 U	0.0039 U	0.0042 U	0.0045 U	0.01 J	0.0043 U	0.0043 U	0.21
Benzo(ghi)perylene	191-24-2	100	500	0.0027 U	0.0025 U	5.8 J	0.0026 U	0.0027 U	0.0024 U	0.0026 U	0.0028 U	0.003 U	0.0027 U	0.0027 U	0.14 J
Benzo(k)fluoranthene	207-08-9	3.9	56	0.0025 U	0.0022 U	**4.4 J**	0.0024 U	0.0025 U	0.0022 U	0.0024 U	0.0026 U	0.0028 U	0.0025 U	0.0024 U	0.081 J
Chrysene	218-01-9	3.9	56	0.0023 U	0.002 U	**11**	0.0022 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0025 U	0.0022 U	0.0022 U	0.32
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.0027 U	0.0024 U	**13**	0.0025 U	0.0027 U	0.0024 U	0.0026 U	0.0027 U	0.003 U	0.0026 U	0.0026 U	0.0023 U
Fluoranthene	206-44-0	100	500	0.0033 U	0.003 U	33	0.0031 U	0.0033 U	0.0029 U	0.0032 U	0.0034 U	0.04 J	0.0032 U	0.0032 U	0.64
Fluorene	86-73-7	100	500	0.0053 U	0.0047 U	7.6	0.005 U	0.0052 U	0.0047 U	0.005 U	0.0054 U	0.051 J	0.0051 U	0.0051 U	0.72
Indeno(1,2,3-cd)pyrene	193-39-5	.5	5.6	0.0063 U	0.0057 U	**4.9 J**	0.006 U	0.0063 U	0.0056 U	0.006 U	0.0064 U	0.007 U	0.0062 U	0.0061 U	0.094 J
Naphthalene	91-20-3	100	500	0.0038 U	0.48	1.5 J	0.0036 U	0.0038 U	0.0034 U	0.0036 U	0.0039 U	0.85	1.3	0.0037 U	3.5
Phenanthrene	85-01-8	100	500	0.0048 U	0.0043 U	34	0.0045 U	0.0048 U	0.0042 U	0.0046 U	0.0049 U	0.13 J	0.0047 U	0.0046 U	2.3
Pyrene	129-00-0	100	500	0.0015 U	0.0013 U	22	0.0014 U	0.0015 U	0.0013 U	0.0014 U	0.0015 U	0.057 J	0.0014 U	0.0014 U	0.95
Total PAHs (mg/Kg)	NA	NL	NL	-- U	0.61	182.05	-- U	-- U	-- U	-- U	-- U	1.176	1.3	-- U	14.625
Other SVOCs (mg/Kg)															
1,1'-Biphenyl	92-52-4	NL	NL	0.014 U	0.013 U	0.46 U	0.013 U	0.014 U	0.013 U	0.014 U	0.015 U	0.034 J	0.014 U	0.014 U	0.35
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	0.024 U	0.021 U	0.77 U	0.023 U	0.024 U	0.021 U	0.023 U	0.024 U	0.026 U	0.023 U	0.023 U	0.02 U
2,4,5-Trichlorophenol	95-95-4	NL	NL	0.05 U	0.045 U	1.6 U	0.047 U	0.049 U	0.044 U	0.047 U	0.051 U	0.055 U	0.049 U	0.048 U	0.043 U
2,4,6-Trichlorophenol	88-06-2	NL	NL	0.015 U	0.013 U	0.48 U	0.014 U	0.015 U	0.013 U	0.014 U	0.015 U	0.017 U	0.015 U	0.015 U	0.013 U
2,4-Dichlorophenol	120-83-2	NL	NL	0.012 U	0.011 U	0.38 U	0.011 U	0.012 U	0.011 U	0.011 U	0.012 U	0.013 U	0.012 U	0.012 U	0.01 U
2,4-Dimethylphenol	105-67-9	NL	NL	0.062 U	0.055 U	2 U	0.058 U	0.061 U	0.055 U	0.059 U	0.063 U	0.068 U	0.06 U	0.06 U	0.053 U
2,4-Dinitrophenol	51-28-5	NL	NL	0.08 U	0.071 U	2.6 U	0.076 U	0.079 U	0.071 U	0.076 U	0.082 U	0.088 U	0.078 U	0.077 U	0.068 U
2,4-Dinitrotoluene	121-14-2	NL	NL	0.035 U	0.032 U	1.1 U	0.033 U	0.035 U	0.031 U	0.034 U	0.036 U	0.039 U	0.034 U	0.034 U	0.03 U
2,6-Dinitrotoluene	606-20-2	NL	NL	0.056 U	0.05 U	1.8 U	0.053 U	0.055 U	0.05 U	0.053 U	0.057 U	0.062 U	0.055 U	0.054 U	0.048 U
2-Chloronaphthalene	91-58-7	NL	NL	0.015 U	0.014 U	0.49 U	0.015 U	0.015 U	0.014 U	0.015 U	0.016 U	0.017 U	0.015 U	0.015 U	0.013 U
2-Chlorophenol	95-57-8	NL	NL	0.012 U	0.01 U	0.37 U	0.011 U	0.012 U	0.01 U	0.011 U	0.012 U	0.013 U	0.011 U	0.011 U	0.0099 U
2-Methylphenol	95-48-7	100	500	0.007 U	0.0063 U	0.23 U	0.0067 U	0.007 U	0.0062 U	0.0067 U	0.0072 U	0.0078 U	0.0069 U	0.0068 U	0.006 U
2-Nitroaniline	88-74-4	NL	NL	0.073 U	0.066 U	2.3 U	0.069 U	0.073 U	0.065 U	0.07 U	0.075 U	0.081 U	0.071 U	0.071 U	0.063 U
2-Nitrophenol	88-75-5	NL	NL	0.01 U	0.0093 U	0.33 U	0.0099 U	0.01 U	0.0093 U	0.0099 U	0.011 U	0.012 U	0.01 U	0.01 U	0.0089 U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	0.2 U	0.18 U	6.4 U	0.19 U	0.2 U	0.18 U	0.19 U	0.2 U	0.22 U	0.2 U	0.19 U	0.17 U
3-Nitroaniline	99-09-2	NL	NL	0.053 U	0.047 U	1.7 U	0.05 U	0.052 U	0.047 U	0.05 U	0.054 U	0.058 U	0.051 U	0.051 U	0.045 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	0.079 U	0.071 U	2.5 U	0.075 U	0.078 U	0.07 U	0.075 U	0.08 U	0.087 U	0.077 U	0.076 U	0.067 U
4-Bromophenyl phenyl ether	101-55-3	NL	NL	0.073 U	0.065 U	2.3 U	0.069 U	0.072 U	0.064 U	0.069 U	0.074 U	0.08 U	0.071 U	0.07 U	0.062 U
4-Chloro-3-methylphenol	59-50-7	NL	NL	0.0094 U	0.0084 U	0.3 U	0.0089 U	0.0093 U	0.0083 U	0.0089 U	0.0096 U	0.01 U	0.0092 U	0.0091 U	0.008 U
4-Chloroaniline	106-47-8	NL	NL	0.067 U	0.06 U	2.1 U	0.063 U	0.067 U	0.059 U	0.064 U	0.068 U	0.074 U	0.065 U	0.065 U	0.057 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	0.0049 U	0.0044 U	0.16 U	0.0046 U	0.0048 U	0.0043 U	0.0046 U	0.005 U	0.0054 U	0.0047 U	0.0047 U	0.0042 U
4-Methylphenol	106-44-5	100	500	0.013 U	0.011 U	0.41 U	0.012 U	0.013 U	0.011 U	0.012 U	0.013 U	0.014 U	0.012 U	0.012 U	0.011 U
4-Nitroaniline	100-01-6	NL	NL	0.026 U	0.023 U	0.82 U	0.024 U	0.025 U	0.023 U	0.024 U	0.026 U	0.028 U	0.025 U	0.025 U	0.022 U
4-Nitrophenol	100-02-7	NL	NL	0.055 U	0.05 U	1.8 U	0.052 U	0.055 U	0.049 U	0.053 U	0.057 U	0.061 U	0.054 U	0.054 U	0.047 U
Acetophenone	98-86-2	NL	NL	0.012 U	0.01 U	0.38 U	0.011 U	0.012 U	0.01 U	0.011 U	0.012 U	0.013 U	0.011 U	0.011 U	0.01 U
Atrazine	1912-24-9	NL	NL	0.01 U	0.0091 U	0.33 U	0.0096 U	0.01 U	0.009 U	0.0097 U	0.01 U	0.011 U	0.0099 U	0.0098 U	0.0087 U
Benzaldehyde	100-52-7	NL	NL	0.025 U	0.022 U	0.8 U	0.024 U	0.025 U	0.022 U	0.024 U	0.026 U	0.028 U	0.024 U	0.024 U	0.021 U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	0.012 U	0.011 U	0.4 U	0.012 U	0.012 U	0.011 U	0.012 U	0.013 U	0.014 U	0.012 U	0.012 U	0.011 U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	0.02 U	0.018 U	0.63 U	0.019 U	0.02 U	0.017 U	0.019 U	0.02 U	0.022 U	0.019 U	0.019 U	0.017 U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	0.074 U	0.066 U	2.4 U	0.07 U	0.073 U	0.065 U	0.07 U	0.075 U	0.081 U	0.072 U	0.071 U	0.063 U
Butyl benzyl phthalate	85-68-7	NL	NL	0.061 U	0.055 U	2 U	0.058 U	0.061 U	0.054 U	0.058 U	0.063 U	0.068 U	0.06 U	0.059 U	0.052 U
Caprolactam	105-60-2	NL	NL	0.099 U	0.088 U	3.2 U	0.094 U	0.098 U	0.088 U	0.094 U	0.1 U	0.11 U	0.096 U	0.096 U	0.084 U
Carbazole	86-74-8	NL	NL	0.0026 U	0.0024 U	5.6 J	0.0025 U	0.0026 U	0.0023 U	0.0025 U	0.0027 U	0.037 J	0.0026 U	0.0026 U	0.025 J
Dibenzofuran	132-64-9	59	350	0.0024 U	0.0021 U	3.1 J	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0024 U	0.018 J	0.0023 U	0.0023 U	0.069 J
Diethyl phthalate	131-11-3	NL	NL	0.0069 U	0.0062 U	0.22 U	0.0065 U	0.0068 U	0.0061 U	0.0066 U	0.007 U	0.0076 U	0.0067 U	0.0067 U	0.0059 U
Dimethyl phthalate	84-66-2	NL	NL	0.006 U	0.0053 U	0.19 U	0.0056 U	0.0059 U	0.0053 U	0.0057 U	0.0061 U	0.0066 U	0.0058 U	0.0058 U	0.0051 U
Di-n-butyl phthalate	84-74-2	NL	NL	0.079 U	0.071 U	2.5 U	0.075 U	0.078 U	0.07 U	0.075 U	0.081 U	0.087 U	0.077 U	0.076 U	0.067 U
Di-n-octyl phthalate	117-84-0	NL	NL	0.0053 U	0.0048 U	0.17 U	0.0051 U	0.0053 U	0.0047 U	0.0051 U	0.0055 U	0.0059 U	0.0052 U	0.0052 U	0.0046 U
Hexachlorobenzene	118-74-1	1.2	6	0.011 U	0.01 U	0.36 U	0.011 U	0.011 U	0.01 U	0.011 U	0.012 U	0.013 U	0.011 U	0.011 U	0.0097 U
Hexachlorobutadiene	87-68-3	NL	NL	0.012 U	0.01 U	0.37 U	0.011 U	0.012 U	0.01 U	0.011 U	0.012 U	0.013 U	0.011 U	0.011 U	0.01 U
Hexachlorocyclopentadiene	77-47-4	NL	NL	0.069 U	0.062 U	2.2 U	0.065 U	0.069 U	0.061 U	0.066 U	0.07 U	0.076 U	0.067 U	0.067 U	0.059 U
Hexachloroethane	67-72-1	NL	NL	0.018 U	0.016 U	0.57 U	0.017 U	0.018 U	0.016 U	0.017 U	0.018 U	0.02 U	0.017 U	0.017 U	0.015 U
Isophorone	78-59-1	NL	NL	0.011 U	0.01 U	0.37 U	0.011 U	0.011 U	0.01 U	0.011 U	0.012 U	0.013 U	0.011 U	0.011 U	0.0098 U
Nitrobenzene	98-95-3	NL	NL	0.01 U	0.0091 U	0.32 U	0.0096 U	0.01 U	0.009 U	0.0096 U	0.01 U	0.011 U	0.0099 U	0.0098 U	0.0087 U
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	0.018 U	0.016 U	0.58 U	0.017 U	0.018 U	0.016 U	0.017 U	0.018 U	0.02 U	0.018 U	0.018 U	0.015 U
N-Nitrosodiphenylamine	86-30-6	NL	NL	0.012 U	0.011 U	0.4 U	0.012 U	0.012 U	0.011 U	0.012 U	0.013 U	0.014 U	0.012 U	0.012 U	0.011 U
Pentachlorophenol	87-86-5	6.7	6.7	0.078 U	0.07 U	2.5 U	0.074 U	0.078 U	0.069 U	0.075 U	0.08 U	0.086 U	0.076 U	0.076 U	0.067 U
Phenol	108-95-2	100	500	0.024 U	0.022 U	0.77 U	0.023 U	0.024 U	0.021 U	0.023 U	0.025 U	0.027 U	0.023 U	0.023 U	0.021 U
Total SVOCs (mg/Kg) (Note 1)	NA	NL	NL	-- U	0.61	190.75	-- U	-- U	-- U	-- U	-- U	1.265	1.3	-- U	15.069
Cyanide	57-12-5	27	27	3.7	0.6 U	0.3 U	0.4 U	0.5 U	0.6 U	0.5 U	0.6 U	0.6 U	0.5 U	0.6 U	0.4 U

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
mg/Kg = microgram per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total SVOCs includes all of the PAH and other SVOC compounds.

Table 6-2
Subsurface Soil SVOC and Cyanide Results
Ithaca Court Street Former MGP Site - OU2

Sample Designation Area Location Sample Date Lab Sample ID	CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	SB140(18-20) Area 1 2/10/2010 RTB0628-12	SB141(21-23) Area 1 2/10/2010 RTB0628-13	SB142 (8-10) Area 2 2/16/2010 RTB0760-16	SB143 (8-10) Area 2 2/16/2010 RTB0760-14	SB144 (12-13) Area 2 2/16/2010 RTB0760-11	SB144 (20-22) Area 2 2/16/2010 RTB0760-13	SB145 (12.5-14.5) Area 2 2/16/2010 RTB0760-10	SB146 (6-8) Area 2 2/16/2010 RTB0760-12	SB147 (8-10) Area 2 2/17/2010 RTB0876-01	SB147 (10-12) Area 2 2/17/2010 RTB0876-02	SB148 (10-12) Area 2 2/17/2010 RTB0876-03	SB149 (10-12) Area 2 2/17/2010 RTB0876-04
PAH Compounds (mg/Kg)															
2-Methylnaphthalene	91-57-6	NL	NL	0.0025 U	0.0031 U	0.0025 U	0.0025 U	15	0.017 U	0.0025 U	0.0026 U	0.0024 U	0.49	0.0026 U	0.0027 U
Acenaphthene	83-32-9	100	500	0.0025 U	0.003 U	0.0024 U	0.12 J	3.3	0.016 U	0.0024 U	0.04 J	0.091 J	0.14 J	0.038 J	0.0026 U
Acenaphthylene	208-96-8	100	500	0.0017 U	0.0021 U	0.0017 U	0.0017 U	3	0.011 U	0.0017 U	0.0018 U	0.27	0.0017 U	0.0018 U	0.0018 U
Anthracene	120-12-7	100	500	0.0053 U	0.0065 U	0.0053 U	0.0054 U	2.2	0.036 U	0.0053 U	0.0056 U	0.15 J	0.0054 U	0.0055 U	0.0057 U
Benzo(a)anthracene	56-55-3	1	5.6	0.0036 U	0.0044 U	0.0036 U	0.0036 U	**1.2**	0.024 U	0.0036 U	0.0037 U	0.46	0.0037 U	0.0037 U	0.0039 U
Benzo(a)pyrene	50-32-8	1	1	0.005 U	0.0061 U	0.005 U	0.0051 U	0.83	0.034 U	0.005 U	0.0052 U	0.62	0.0051 U	0.0052 U	0.0054 U
Benzo(b)fluoranthene	205-99-2	1	5.6	0.004 U	0.0049 U	0.004 U	0.0041 U	0.77 J	0.027 U	0.004 U	0.0042 U	0.62 J	0.0041 U	0.0042 U	0.0043 U
Benzo(ghi)perylene	191-24-2	100	500	0.0025 U	0.003 U	0.0025 U	0.0025 U	0.28	0.017 U	0.0025 U	0.0026 U	0.3	0.0025 U	0.0026 U	0.0027 U
Benzo(k)fluoranthene	207-08-9	3.9	56	0.0023 U	0.0028 U	0.0023 U	0.0023 U	0.0025 UJ	0.015 U	0.0023 U	0.0024 U	0.0021 UJ	0.0023 U	0.0024 U	0.0025 U
Chrysene	218-01-9	3.9	56	0.0021 U	0.0025 U	0.0021 U	0.0021 U	1	0.014 U	0.0021 U	0.0022 U	0.48	0.0021 U	0.0022 U	0.0022 U
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.0025 U	0.003 U	0.0024 U	0.0025 U	0.081 J	0.016 U	0.0024 U	0.0026 U	0.082 J	0.0025 U	0.0025 U	0.0026 U
Fluoranthene	206-44-0	100	500	0.003 U	0.0037 U	0.003 U	0.003 U	1.8	0.02 U	0.003 U	0.0031 U	0.32	0.0031 U	0.0031 U	0.0032 U
Fluorene	86-73-7	100	500	0.0048 U	0.0058 U	0.0048 U	0.041 J	2.9	0.032 U	0.0047 U	0.005 U	0.11 J	0.028 J	0.005 U	0.0052 U
Indeno(1,2,3-cd)pyrene	193-39-5	.5	5.6	0.0058 U	0.007 U	0.0057 U	0.0058 U	0.22 J	0.039 U	0.0057 U	0.006 U	0.23	0.0059 U	0.006 U	0.0062 U
Naphthalene	91-20-3	100	500	0.0035 U	0.0042 U	0.0035 U	0.0035 U	18	0.023 U	0.0034 U	0.0036 U	0.0032 U	0.0035 U	0.0036 U	0.0037 U
Phenanthrene	85-01-8	100	500	0.0044 U	0.0053 U	0.0044 U	0.055 J	6	0.029 U	0.0043 U	0.0046 U	0.42	0.0045 U	0.0045 U	0.0047 U
Pyrene	129-00-0	100	500	0.0013 U	0.0016 U	0.0013 U	0.019 J	2.6	0.009 U	0.0013 U	0.0014 U	0.52	0.0014 U	0.0014 U	0.0014 U
Total PAHs (mg/Kg)	NA	NL	NL	-- U	-- U	-- U	0.235	59.181	-- U	-- U	0.04	4.673	0.658	0.038	-- U
Other SVOCs (mg/Kg)															
1,1'-Biphenyl	92-52-4	NL	NL	0.013 U	0.016 U	0.013 U	0.015 J	1.2	0.087 U	0.013 U	0.014 U	0.034 J	0.013 U	0.013 U	0.014 U
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	0.022 U	0.026 U	0.022 U	0.022 U	0.024 U	0.15 U	0.022 U	0.023 U	0.02 U	0.022 U	0.023 U	0.023 U
2,4,5-Trichlorophenol	95-95-4	NL	NL	0.045 U	0.055 U	0.045 U	0.046 U	0.05 U	0.3 U	0.045 U	0.047 U	0.043 U	0.046 U	0.047 U	0.049 U
2,4,6-Trichlorophenol	88-06-2	NL	NL	0.014 U	0.017 U	0.014 U	0.014 U	0.015 U	0.092 U	0.014 U	0.014 U	0.013 U	0.014 U	0.014 U	0.015 U
2,4-Dichlorophenol	120-83-2	NL	NL	0.011 U	0.013 U	0.011 U	0.011 U	0.012 U	0.073 U	0.011 U	0.011 U	0.01 U	0.011 U	0.011 U	0.012 U
2,4-Dimethylphenol	105-67-9	NL	NL	0.056 U	0.068 U	0.056 U	0.057 U	0.062 U	0.38 U	0.056 U	0.059 U	0.053 U	0.057 U	0.058 U	0.06 U
2,4-Dinitrophenol	51-28-5	NL	NL	0.073 U	0.088 U	0.073 U	0.074 U	0.08 U	0.49 U	0.072 U	0.076 U	0.068 UJ	0.074 UJ	0.076 UJ	0.078 UJ
2,4-Dinitrotoluene	121-14-2	NL	NL	0.032 U	0.039 U	0.032 U	0.033 U	0.035 U	0.22 U	0.032 U	0.034 U	0.03 U	0.033 U	0.033 U	0.035 U
2,6-Dinitrotoluene	606-20-2	NL	NL	0.051 U	0.062 U	0.051 U	0.051 U	0.056 U	0.34 U	0.05 U	0.053 U	0.048 U	0.052 U	0.053 U	0.055 U
2-Chloronaphthalene	91-58-7	NL	NL	0.014 U	0.017 U	0.014 U	0.014 U	0.015 U	0.094 U	0.014 U	0.015 U	0.013 U	0.014 U	0.014 U	0.015 U
2-Chlorophenol	95-57-8	NL	NL	0.011 U	0.013 U	0.011 U	0.011 U	0.012 U	0.071 U	0.01 U	0.011 U	0.0099 U	0.011 U	0.011 U	0.011 U
2-Methylphenol	95-48-7	100	500	0.0064 U	0.0078 U	0.0064 U	0.0065 U	0.007 U	0.043 U	0.0063 U	0.0067 U	0.006 U	0.0065 U	0.0066 U	0.0069 U
2-Nitroaniline	88-74-4	NL	NL	0.067 U	0.081 U	0.067 U	0.067 U	0.073 U	0.45 U	0.066 U	0.07 U	0.063 U	0.068 U	0.069 U	0.072 U
2-Nitrophenol	88-75-5	NL	NL	0.0095 U	0.012 U	0.0095 U	0.0096 U	0.01 U	0.064 U	0.0094 U	0.0099 U	0.0089 U	0.0097 U	0.0099 U	0.01 U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	0.18 U	0.22 U	0.18 U	0.18 U	0.2 U	1.2 U	0.18 U	0.19 U	0.17 U	0.19 U	0.19 U	0.2 U
3-Nitroaniline	99-09-2	NL	NL	0.048 U	0.058 U	0.048 U	0.048 U	0.052 U	0.32 U	0.047 U	0.05 U	0.045 U	0.049 U	0.05 U	0.051 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	0.072 U	0.087 U	0.072 U	0.073 U	0.079 U	0.48 U	0.071 U	0.075 U	0.067 U	0.073 U	0.075 U	0.077 U
4-Bromophenyl phenyl ether	101-55-3	NL	NL	0.066 U	0.08 U	0.066 U	0.067 U	0.073 U	0.44 U	0.066 U	0.069 U	0.062 U	0.068 U	0.069 U	0.071 U
4-Chloro-3-methylphenol	59-50-7	NL	NL	0.0086 U	0.01 U	0.0085 U	0.0086 U	0.0094 U	0.057 U	0.0085 U	0.0089 U	0.008 U	0.0087 U	0.0089 U	0.0092 U
4-Chloroaniline	106-47-8	NL	NL	0.061 U	0.074 U	0.061 U	0.062 U	0.067 U	0.41 U	0.061 U	0.064 U	0.057 U	0.062 U	0.063 U	0.066 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	0.0044 U	0.0054 U	0.0044 U	0.0045 U	0.0049 U	0.03 U	0.0044 U	0.0046 U	0.0042 U	0.0045 U	0.0046 U	0.0048 U
4-Methylphenol	106-44-5	100	500	0.012 U	0.014 U	0.012 U	0.012 U	0.013 U	0.078 U	0.011 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U
4-Nitroaniline	100-01-6	NL	NL	0.023 U	0.028 U	0.023 U	0.023 U	0.025 U	0.16 U	0.023 U	0.024 U	0.022 U	0.024 U	0.024 U	0.025 U
4-Nitrophenol	100-02-7	NL	NL	0.051 U	0.061 U	0.05 U	0.051 U	0.055 U	0.34 U	0.05 U	0.053 U	0.047 U	0.051 U	0.052 U	0.054 U
Acetophenone	98-86-2	NL	NL	0.011 U	0.013 U	0.011 U	0.011 U	0.012 U	0.072 U	0.011 U	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U
Atrazine	1912-24-9	NL	NL	0.0093 U	0.011 U	0.0092 U	0.0094 U	0.01 U	0.062 U	0.0092 U	0.0097 U	0.0087 U	0.0094 U	0.0096 U	0.01 U
Benzaldehyde	100-52-7	NL	NL	0.023 U	0.028 U	0.023 U	0.023 U	0.025 U	0.15 U	0.023 U	0.024 U	0.021 U	0.023 U	0.024 U	0.025 U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	0.011 U	0.014 U	0.011 U	0.011 U	0.012 U	0.076 U	0.011 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	0.018 U	0.022 U	0.018 U	0.018 U	0.02 U	0.12 U	0.018 U	0.019 U	0.017 U	0.018 U	0.019 U	0.019 U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	0.067 U	0.081 U	0.067 U	0.068 U	0.074 U	0.45 U	0.066 U	0.07 U	0.063 U	0.068 U	0.07 U	0.072 U
Butyl benzyl phthalate	85-68-7	NL	NL	0.056 U	0.068 U	0.056 U	0.056 U	0.061 U	0.37 U	0.055 U	0.058 U	0.052 U	0.057 U	0.058 U	0.06 U
Caprolactam	105-60-2	NL	NL	0.09 U	0.11 U	0.09 U	0.091 U	0.099 U	0.6 U	0.089 U	0.094 U	0.084 U	0.092 U	0.093 U	0.097 U
Carbazole	86-74-8	NL	NL	0.0024 U	0.0029 U	0.0024 U	0.0024 U	0.041 J	0.016 U	0.0024 U	0.0025 U	0.0023 U	0.0025 U	0.0025 U	0.0026 U
Dibenzofuran	132-64-9	59	350	0.0022 U	0.0026 U	0.0022 U	0.0022 U	0.27	0.015 U	0.0021 U	0.0023 U	0.002 U	0.0022 U	0.0022 U	0.0023 U
Diethyl phthalate	131-11-3	NL	NL	0.0063 U	0.0076 U	0.0063 U	0.0064 U	0.0069 U	0.042 U	0.0062 U	0.0066 U	0.0059 U	0.0064 U	0.0065 U	0.0068 U
Dimethyl phthalate	84-66-2	NL	NL	0.0054 U	0.0066 U	0.0054 U	0.0055 U	0.006 U	0.036 U	0.0054 U	0.0057 U	0.0051 U	0.0055 U	0.0056 U	0.0058 U
Di-n-butyl phthalate	84-74-2	NL	NL	0.072 U	0.087 U	0.072 U	0.073 U	0.079 U	0.48 U	0.071 U	0.075 U	0.067 U	0.073 U	0.075 U	0.077 U
Di-n-octyl phthalate	117-84-0	NL	NL	0.0049 U	0.0059 U	0.0049 U	0.0049 U	0.0053 U	0.033 U	0.0048 U	0.0051 U	0.0046 U	0.005 U	0.0051 U	0.0052 U
Hexachlorobenzene	118-74-1	1.2	6	0.01 U	0.013 U	0.01 U	0.01 U	0.011 U	0.069 U	0.01 U	0.011 U	0.0097 U	0.011 U	0.011 U	0.011 U
Hexachlorobutadiene	87-68-3	NL	NL	0.011 U	0.013 U	0.011 U	0.011 U	0.012 U	0.071 U	0.011 U	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U
Hexachlorocyclopentadiene	77-47-4	NL	NL	0.063 U	0.076 U	0.063 U	0.064 U	0.069 U	0.42 U	0.062 U	0.066 U	0.059 U	0.064 U	0.065 U	0.068 U
Hexachloroethane	67-72-1	NL	NL	0.016 U	0.02 U	0.016 U	0.016 U	0.018 U	0.11 U	0.016 U	0.017 U	0.015 U	0.016 U	0.017 U	0.017 U
Isophorone	78-59-1	NL	NL	0.01 U	0.013 U	0.01 U	0.011 U	0.011 U	0.07 U	0.01 U	0.011 U	0.0098 U	0.011 U	0.011 U	0.011 U
Nitrobenzene	98-95-3	NL	NL	0.0092 U	0.011 U	0.0092 U	0.0093 U	0.01 U	0.062 U	0.0091 U	0.0096 U	0.0087 U	0.0094 U	0.0096 U	0.0099 U
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	0.017 U	0.02 U	0.016 U	0.017 U	0.018 U	0.11 U	0.016 U	0.017 U	0.015 U	0.017 U	0.017 U	0.018 U
N-Nitrosodiphenylamine	86-30-6	NL	NL	0.011 U	0.014 U	0.011 U	0.011 U	0.012 U	0.076 U	0.011 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U
Pentachlorophenol	87-86-5	6.7	6.7	0.071 U	0.087 U	0.071 U	0.072 U	0.078 U	0.48 U	0.071 U	0.074 U	0.067 U	0.073 U	0.074 U	0.077 U
Phenol	108-95-2	100	500	0.022 U	0.027 U	0.022 U	0.022 U	0.024 U	0.15 U	0.022 U	0.023 U	0.021 U	0.022 U	0.023 U	0.024 U
Total SVOCs (mg/Kg) (Note 1)	NA	NL	NL	-- U	-- U	-- U	0.25	60.692	-- U	-- U	0.04	4.707	0.658	0.038	-- U
Cyanide	57-12-5	27	27	0.3 U	0.7 U	0.6 U	0.5 U	2.1	0.8 U	0.6 U	0.6 U	0.5 U	0.6 U	0.5 U	0.6 U

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
mg/Kg = microgram per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total SVOCs includes all of the PAH and other SVOC compounds.

Table 6-2
Subsurface Soil SVOC and Cyanide Results
Ithaca Court Street Former MGP Site - OU2

Sample Designation / Area Location / Sample Date / Lab Sample ID	CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	SB150 (7-8) Area 2 2/17/2010 RTB0876-05	SB151 (11-12) Area 2 2/23/2010 RTB1059-09	SB152 (8-9) Area 2 2/22/2010 RTB1059-16	SB153 (5-7) Area 2 2/22/2010 RTB1059-14	SB153 (12.5-14) Area 2 2/22/2010 RTB1059-15	SB154 (10-11) Area 2 2/22/2010 RTB1059-08	SB155 (10-11) Area 2 2/18/2010 RTB0876-06	SB156 (10-11.5) Area 2 2/15/2010 RTB0760-01	SB1560 (10-11.5) Area 2 2/15/2010 DUPLICATE	SB156 (13-15) Area 2 2/15/2010 RTB0760-03	SB157 (10-11) Area 2 2/15/2010 RTB0760-02	SB158 (8-10) Area 2 2/15/2010 RTB0760-05
PAH Compounds (mg/Kg)															
2-Methylnaphthalene	91-57-6	NL	NL	0.0025 U	0.039 J	0.0026 U	5.2	0.046 J	0.0024 U	0.0025 U	0.42	0.34	0.079 J	0.0027 U	9.3
Acenaphthene	83-32-9	100	500	0.029 J	0.075 J	0.09 J	6.7	0.018 J	0.0024 U	0.0024 U	1.3	1.1	0.0027 U	0.0026 U	3.5
Acenaphthylene	208-96-8	100	500	0.0017 U	0.0016 U	0.0017 U	0.77 J	0.0018 U	0.0016 U	0.0017 U	0.18 J	0.16 J	0.0019 U	0.0018 U	0.33
Anthracene	120-12-7	100	500	0.0054 U	0.005 U	0.0054 U	3.3	0.0057 U	0.0051 U	0.0053 U	0.98	0.81	0.006 U	0.0057 U	1.2
Benzo(a)anthracene	56-55-3	1	5.6	0.0036 U	0.0034 U	0.0036 U	**2**	0.0038 U	0.0035 U	0.0036 U	0.62	0.53	0.004 U	0.0038 U	0.7
Benzo(a)pyrene	50-32-8	1	1	0.005 U	0.0047 U	0.0051 U	**1.5**	0.0053 U	0.0048 U	0.005 U	0.42	0.37	0.0056 U	0.0054 U	0.48
Benzo(b)fluoranthene	205-99-2	1	5.6	0.0041 U	0.0038 U	0.0041 U	**1.4 J**	0.0043 U	0.0039 U	0.004 U	0.28	0.34 J	0.0045 U	0.0043 U	0.32
Benzo(ghi)perylene	191-24-2	100	500	0.0025 U	0.0024 U	0.0025 U	0.49 J	0.0027 U	0.0024 U	0.0025 U	0.13 J	0.12 J	0.0028 U	0.0027 U	0.15 J
Benzo(k)fluoranthene	207-08-9	3.9	56	0.0023 U	0.0022 U	0.0023 U	0.012 UJ	0.0024 U	0.0022 U	0.0023 U	0.15 J	0.0023 UJ	0.0026 U	0.0025 U	0.17 J
Chrysene	218-01-9	3.9	56	0.0021 U	0.002 U	0.0021 U	1.9	0.0022 U	0.002 U	0.0021 U	0.56	0.48	0.0023 U	0.0022 U	0.62
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.0025 U	0.0023 U	0.0025 U	0.13 J	0.0026 U	0.0024 U	0.0024 U	0.037 J	0.036 J	0.0027 U	0.0026 U	0.044 J
Fluoranthene	206-44-0	100	500	0.003 U	0.0029 U	0.0031 U	3.1	0.0032 U	0.0029 U	0.003 U	0.91	0.74	0.0034 U	0.0032 U	1
Fluorene	86-73-7	100	500	0.0048 U	0.0045 U	0.0049 U	3.5	0.0051 U	0.0046 U	0.0048 U	0.85	0.74	0.0054 U	0.0051 U	1.7
Indeno(1,2,3-cd)pyrene	193-39-5	.5	5.6	0.0058 U	0.0054 U	0.0058 U	0.4 J	0.0061 U	0.0055 U	0.0057 U	0.1 J	0.095 J	0.0064 U	0.0062 U	0.13 J
Naphthalene	91-20-3	100	500	0.0035 U	0.047 J	0.0035 U	3.9	0.0037 U	0.0033 U	0.0034 U	0.31	0.24	0.56	0.0037 U	11
Phenanthrene	85-01-8	100	500	0.0044 U	0.0041 U	0.0044 U	10	0.0046 U	0.0042 U	0.0043 U	2.8	2.3	0.0049 U	0.0047 U	3.6
Pyrene	129-00-0	100	500	0.023 J	0.0013 U	0.0014 U	4.6	0.0014 U	0.0013 U	0.0013 U	1.3	1.1	0.0015 U	0.0014 U	1.5
Total PAHs (mg/Kg)	NA	NL	NL	0.052	0.161	0.09	48.89	0.064	-- U	-- U	11.347	9.501	0.56	-- U	35.744
Other SVOCs (mg/Kg)															
1,1'-Biphenyl	92-52-4	NL	NL	0.013 J	0.012 U	0.013 U	1.1	0.014 U	0.012 U	0.013 U	0.2 J	0.15 J	0.015 U	0.014 U	0.75
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	0.022 U	0.021 U	0.022 U	0.11 U	0.023 U	0.021 U	0.022 U	0.022 U	0.022 U	0.024 U	0.023 U	0.024 U
2,4,5-Trichlorophenol	95-95-4	NL	NL	0.046 U	0.043 U	0.046 U	0.24 U	0.048 U	0.044 U	0.045 U	0.047 U	0.045 U	0.051 U	0.049 U	0.049 U
2,4,6-Trichlorophenol	88-06-2	NL	NL	0.014 U	0.013 U	0.014 U	0.072 U	0.015 U	0.013 U	0.014 U	0.014 U	0.014 U	0.015 U	0.015 U	0.015 U
2,4-Dichlorophenol	120-83-2	NL	NL	0.011 U	0.01 U	0.011 U	0.057 U	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U	0.012 U
2,4-Dimethylphenol	105-67-9	NL	NL	0.056 U	0.053 U	0.057 U	0.29 U	0.06 U	0.054 U	0.056 U	0.058 U	0.056 U	0.063 U	0.06 U	0.061 U
2,4-Dinitrophenol	51-28-5	NL	NL	0.073 UJ	0.069 UJ	0.074 UJ	0.38 UJ	0.077 UJ	0.07 UJ	0.072 UJ	0.075 U	0.072 U	0.082 U	0.078 U	0.079 U
2,4-Dinitrotoluene	121-14-2	NL	NL	0.032 U	0.03 U	0.033 U	0.17 U	0.034 U	0.031 U	0.032 U	0.033 U	0.032 U	0.036 U	0.034 U	0.035 U
2,6-Dinitrotoluene	606-20-2	NL	NL	0.051 U	0.048 U	0.052 U	0.27 U	0.054 U	0.049 U	0.051 U	0.052 U	0.051 U	0.057 U	0.054 U	0.056 U
2-Chloronaphthalene	91-58-7	NL	NL	0.014 U	0.013 U	0.014 U	0.073 U	0.015 U	0.013 U	0.014 U	0.014 U	0.014 U	0.016 U	0.015 U	0.015 U
2-Chlorophenol	95-57-8	NL	NL	0.011 U	0.01 U	0.011 U	0.055 U	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.012 U
2-Methylphenol	95-48-7	100	500	0.0064 U	0.0061 U	0.0065 U	0.033 U	0.0068 U	0.0062 U	0.0064 U	0.0066 U	0.0064 U	0.0072 U	0.0068 U	0.007 U
2-Nitroaniline	88-74-4	NL	NL	0.067 U	0.063 U	0.068 U	0.35 U	0.071 U	0.064 U	0.066 U	0.069 U	0.066 U	0.075 U	0.071 U	0.073 U
2-Nitrophenol	88-75-5	NL	NL	0.0096 U	0.009 U	0.0096 U	0.05 U	0.01 U	0.0092 U	0.0094 U	0.0098 U	0.0095 U	0.011 U	0.01 U	0.01 U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	0.18 U	0.17 U	0.18 U	0.95 U	0.19 U	0.18 U	0.18 U	0.19 U	0.18 U	0.2 U	0.2 U	0.2 U
3-Nitroaniline	99-09-2	NL	NL	0.048 U	0.045 U	0.048 U	0.25 U	0.051 U	0.046 U	0.047 U	0.049 U	0.048 U	0.054 U	0.051 U	0.052 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	0.072 U	0.068 UJ	0.073 UJ	0.37 UJ	0.076 UJ	0.069 UJ	0.071 U	0.074 U	0.072 U	0.08 U	0.077 U	0.078 U
4-Bromophenyl phenyl ether	101-55-3	NL	NL	0.067 U	0.063 U	0.067 U	0.35 U	0.07 U	0.064 U	0.066 U	0.068 U	0.066 U	0.074 U	0.071 U	0.072 U
4-Chloro-3-methylphenol	59-50-7	NL	NL	0.0086 U	0.0081 U	0.0087 U	0.045 U	0.0091 U	0.0082 U	0.0085 U	0.0088 U	0.0085 U	0.0096 U	0.0092 U	0.0093 U
4-Chloroaniline	106-47-8	NL	NL	0.061 U	0.058 U	0.062 U	0.32 U	0.065 U	0.059 U	0.061 U	0.063 U	0.061 U	0.068 U	0.065 U	0.067 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	0.0045 U	0.0042 U	0.0045 U	0.023 U	0.0047 U	0.0043 U	0.0044 U	0.0046 U	0.0044 U	0.005 U	0.0047 U	0.0048 U
4-Methylphenol	106-44-5	100	500	0.012 U	0.011 U	0.012 U	0.06 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.013 U	0.012 U	0.013 U
4-Nitroaniline	100-01-6	NL	NL	0.023 U	0.022 U	0.024 U	0.12 U	0.025 U	0.022 U	0.023 U	0.024 U	0.023 U	0.026 U	0.025 U	0.025 U
4-Nitrophenol	100-02-7	NL	NL	0.051 U	0.048 U	0.051 U	0.26 U	0.054 U	0.049 U	0.05 U	0.052 U	0.05 U	0.057 U	0.054 U	0.055 U
Acetophenone	98-86-2	NL	NL	0.011 U	0.01 U	0.011 U	0.056 U	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.012 U
Atrazine	1912-24-9	NL	NL	0.0093 U	0.0088 U	0.0094 U	0.048 U	0.0099 U	0.0089 U	0.0092 U	0.0095 U	0.0092 U	0.01 U	0.0099 U	0.01 U
Benzaldehyde	100-52-7	NL	NL	0.023 U	0.022 U	0.023 U	0.12 U	0.024 U	0.022 U	0.023 U	0.023 U	0.023 U	0.026 U	0.024 U	0.025 U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	0.011 U	0.011 U	0.011 U	0.059 U	0.012 U	0.011 U	0.011 U	0.012 U	0.011 U	0.013 U	0.012 U	0.012 U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	0.018 U	0.017 U	0.018 U	0.094 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.02 U	0.019 U	0.02 U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	0.067 U	0.063 U	0.068 U	0.35 U	0.071 U	0.065 U	0.081 J	0.069 U	0.067 U	0.075 U	0.072 U	0.073 U
Butyl benzyl phthalate	85-68-7	NL	NL	0.056 U	0.053 U	0.057 U	0.29 U	0.059 U	0.054 U	0.055 U	0.057 U	0.056 U	0.063 U	0.06 U	0.061 U
Caprolactam	105-60-2	NL	NL	0.09 U	0.085 U	0.091 U	0.47 U	0.096 U	0.087 U	0.089 U	0.092 U	0.09 U	0.1 U	0.096 U	0.098 U
Carbazole	86-74-8	NL	NL	0.0024 U	0.0023 U	0.0024 U	0.013 U	0.0026 U	0.0023 U	0.0024 U	0.0025 U	0.0024 U	0.0027 U	0.0026 U	0.032 J
Dibenzofuran	132-64-9	59	350	0.0022 U	0.002 U	0.0022 U	0.32 J	0.0023 U	0.0021 U	0.0021 U	0.071 J	0.062 J	0.0024 U	0.0023 U	0.18 J
Diethyl phthalate	131-11-3	NL	NL	0.0063 U	0.006 U	0.0064 U	0.033 U	0.0067 U	0.0061 U	0.0062 U	0.0065 U	0.0063 U	0.007 U	0.0067 U	0.0069 U
Dimethyl phthalate	84-66-2	NL	NL	0.0055 U	0.0051 U	0.0055 U	0.028 U	0.0058 U	0.0052 U	0.0054 U	0.0056 U	0.0054 U	0.0061 U	0.0058 U	0.0059 U
Di-n-butyl phthalate	84-74-2	NL	NL	0.072 U	0.068 U	0.073 U	0.38 U	0.077 U	0.069 U	0.071 U	0.074 U	0.072 U	0.081 U	0.077 U	0.078 U
Di-n-octyl phthalate	117-84-0	NL	NL	0.0049 U	0.0046 U	0.0049 U	0.025 U	0.0052 U	0.0047 U	0.0048 U	0.005 U	0.0048 U	0.0055 U	0.0052 U	0.0053 U
Hexachlorobenzene	118-74-1	1.2	6	0.01 U	0.0098 U	0.01 U	0.054 U	0.011 U	0.01 U	0.01 U	0.011 U	0.01 U	0.012 U	0.011 U	0.011 U
Hexachlorobutadiene	87-68-3	NL	NL	0.011 U	0.01 U	0.011 U	0.056 U	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.012 U
Hexachlorocyclopentadiene	77-47-4	NL	NL	0.063 U	0.06 U	0.064 U	0.33 U	0.067 U	0.061 U	0.062 U	0.065 U	0.063 U	0.07 U	0.067 U	0.069 U
Hexachloroethane	67-72-1	NL	NL	0.016 U	0.015 U	0.016 U	0.084 U	0.017 U	0.016 U	0.016 U	0.017 U	0.016 U	0.018 U	0.017 U	0.018 U
Isophorone	78-59-1	NL	NL	0.01 U	0.0098 U	0.011 U	0.054 U	0.011 U	0.01 U	0.01 U	0.011 U	0.01 U	0.012 U	0.011 U	0.011 U
Nitrobenzene	98-95-3	NL	NL	0.0093 U	0.0087 U	0.0093 U	0.048 U	0.0098 U	0.0089 U	0.0092 U	0.0095 U	0.0092 U	0.01 U	0.0099 U	0.01 U
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	0.017 U	0.016 U	0.017 U	0.086 U	0.018 U	0.016 U	0.016 U	0.017 U	0.016 U	0.018 U	0.018 U	0.018 U
N-Nitrosodiphenylamine	86-30-6	NL	NL	0.011 U	0.011 U	0.012 U	0.059 U	0.012 U	0.011 U	0.011 U	0.012 U	0.011 U	0.013 U	0.012 U	0.012 U
Pentachlorophenol	87-86-5	6.7	6.7	0.072 U	0.068 U	0.072 U	0.37 U	0.076 U	0.069 U	0.071 U	0.073 U	0.071 U	0.08 U	0.076 U	0.078 U
Phenol	108-95-2	100	500	0.022 U	0.021 U	0.022 U	0.11 U	0.023 U	0.021 U	0.022 U	0.022 U	0.022 U	0.025 U	0.023 U	0.024 U
Total SVOCs (mg/Kg) (Note 1)	NA	NL	NL	0.065	0.161	0.09	50.31	0.064	-- U	0.081	11.618	9.713	0.56	-- U	36.706
Cyanide	57-12-5	27	27	0.6 U	0.6 U	0.6 U	1.2 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U	0.8 U	0.6 U	0.6 U

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
mg/Kg = microgram per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total SVOCs includes all of the PAH and other SVOC compounds.

Table 6-2
Subsurface Soil SVOC and Cyanide Results
Ithaca Court Street Former MGP Site - OU2

Sample Designation Area Location Sample Date Lab Sample ID	CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	SB158 (13-15) Area 2 2/15/2010 RTB0760-07	SB159 (11-12.5) Area 2 2/15/2010 RTB0760-17	SB159 (12.5-15) Area 2 2/15/2010 RTB0760-18	SB160(10-11) Area 1 2/11/2010 RTB0628-14	SB160(11-13) Area 1 2/11/2010 RTB0628-15	SB161 (15-17) Area 1 2/23/2010 RTB1059-12	SB162 (13-13.5) Area 1 2/23/2010 RTB1059-04	SB162 (19-20) Area 1 2/23/2010 RTB1059-05	SB163 (12-14) Area 1 2/24/2010 RTB1059-19	SB 164 (15-17) Area 1 2/25/2010 RTC0394-08	SB 165 (8-10) Area 1 2/25/2010 RTC0394-03	SB 166 (10-12) Area 1 2/25/2010 RTC0394-05
PAH Compounds (mg/Kg)															
2-Methylnaphthalene	91-57-6	NL	NL	0.0027 U	0.29	0.13 J	0.0023 U	0.0027 U	0.051 J	1400	0.0027 U	0.0024 U	0.051 J	0.061 J	0.0027 U
Acenaphthene	83-32-9	100	500	0.0026 U	0.16 J	0.027 J	0.047 J	0.0026 U	0.059 J	**1600**	0.0026 U	0.0023 U	0.054 J	0.38	0.26
Acenaphthylene	208-96-8	100	500	0.0018 U	0.0017 U	0.0017 U	0.0016 U	0.0018 U	0.0019 U	**240**	0.0018 U	0.0016 U	0.0018 U	0.081 J	0.25
Anthracene	120-12-7	100	500	0.0057 U	0.018 J	0.0055 U	0.0049 U	0.0056 U	0.015 J	**550**	0.0057 U	0.0051 U	0.018 J	0.023 J	0.0057 U
Benzo(a)anthracene	56-55-3	1	5.6	0.0038 U	0.0036 U	0.0037 U	0.022 J	0.0038 U	0.0039 U	**510**	0.0038 U	0.0034 U	0.027 J	0.024 J	0.0039 U
Benzo(a)pyrene	50-32-8	1	1	0.0053 U	0.005 U	0.0051 U	0.014 J	0.0053 U	0.0055 U	**510**	0.0053 U	0.0048 U	0.018 J	0.019 J	0.0054 U
Benzo(b)fluoranthene	205-99-2	1	5.6	0.0043 U	0.004 U	0.0041 U	0.017 J	0.0043 U	0.0044 U	**490**	0.0043 U	0.0038 U	0.012 J	0.013 J	0.0043 U
Benzo(ghi)perylene	191-24-2	100	500	0.0027 U	0.0025 U	0.0026 U	0.0023 U	0.0026 U	0.0027 U	**300**	0.0027 U	0.0024 U	0.0096 J	0.01 J	0.0027 U
Benzo(k)fluoranthene	207-08-9	3.9	56	0.0024 U	0.0023 U	0.0023 U	0.0021 U	0.0024 U	0.0025 U	0.41 U	0.0024 U	0.0022 U	0.0024 U	0.0022 U	0.0025 U
Chrysene	218-01-9	3.9	56	0.0022 U	0.0021 U	0.0021 U	0.013 J	0.0022 U	0.0023 U	**350**	0.0022 U	0.002 U	0.014 J	0.014 J	0.0022 U
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.0026 U	0.0024 U	0.0025 U	0.0023 U	0.0026 U	0.0027 U	**48**	0.0026 U	0.0023 U	0.0026 U	0.0023 U	0.0026 U
Fluoranthene	206-44-0	100	500	0.0032 U	0.003 U	0.0031 U	0.034 J	0.0032 U	0.037 J	**1200**	0.0032 U	0.0029 U	0.05 J	0.048 J	0.0032 U
Fluorene	86-73-7	100	500	0.0051 U	0.059 J	0.0049 U	0.0044 U	0.0051 U	0.02 J	**830**	0.0051 U	0.0046 U	0.031 J	0.073 J	0.058 J
Indeno(1,2,3-cd)pyrene	193-39-5	.5	5.6	0.0061 U	0.0057 U	0.0059 U	0.0053 U	0.0061 U	0.0063 U	**210**	0.0061 U	0.0055 U	0.0061 U	0.0054 U	0.0062 U
Naphthalene	91-20-3	100	500	0.0037 U	0.0034 U	0.13 J	0.0032 U	0.0037 U	0.16 J	**6300**	0.081 J	0.0033 U	0.12 J	0.13 J	0.02 J
Phenanthrene	85-01-8	100	500	0.0046 U	0.1 J	0.0045 U	0.022 J	0.0046 U	0.071 J	**3100**	0.021 J	0.0041 U	0.13 J	0.13 J	0.035 J
Pyrene	129-00-0	100	500	0.0014 U	0.0013 U	0.0014 U	0.028 J	0.0014 U	0.039 J	**1700**	0.0014 U	0.0013 U	0.067 J	0.068 J	0.012 J
Total PAHs (mg/Kg)	NA	NL	NL	-- U	0.627	0.287	0.197	-- U	0.452	19338	0.102	-- U	0.6016	1.074	0.635
Other SVOCs (mg/Kg)															
1,1'-Biphenyl	92-52-4	NL	NL	0.014 U	0.025 J	0.013 U	0.012 U	0.014 U	0.014 U	390	0.014 U	0.012 U	0.017 J	0.025 J	0.05 J
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	0.023 U	0.022 U	0.022 U	0.02 U	0.023 U	0.024 U	3.9 U	0.023 U	0.021 U	0.023 U	0.021 U	0.023 U
2,4,5-Trichlorophenol	95-95-4	NL	NL	0.048 U	0.045 U	0.046 U	0.042 U	0.048 U	0.05 U	8.2 U	0.048 U	0.043 U	0.048 U	0.043 U	0.049 U
2,4,6-Trichlorophenol	88-06-2	NL	NL	0.015 U	0.014 U	0.014 U	0.013 U	0.015 U	0.015 U	2.5 U	0.015 U	0.013 U	0.015 U	0.013 U	0.015 U
2,4-Dichlorophenol	120-83-2	NL	NL	0.012 U	0.011 U	0.011 U	0.01 U	0.012 U	0.012 U	2 U	0.012 U	0.01 U	0.012 U	0.01 U	0.012 U
2,4-Dimethylphenol	105-67-9	NL	NL	0.06 U	0.056 U	0.058 U	0.052 U	0.06 U	0.062 U	10 U	0.06 U	0.053 U	0.06 U	0.053 U	0.06 U
2,4-Dinitrophenol	51-28-5	NL	NL	0.077 U	0.072 U	0.075 U	0.067 U	0.077 U	0.08 UJ	13 UJ	0.078 UJ	0.069 UJ	0.077 UJ	0.069 UJ	0.078 UJ
2,4-Dinitrotoluene	121-14-2	NL	NL	0.034 U	0.032 U	0.033 U	0.03 U	0.034 U	0.035 U	5.8 U	0.034 U	0.031 U	0.034 U	0.03 U	0.035 U
2,6-Dinitrotoluene	606-20-2	NL	NL	0.054 U	0.051 U	0.052 U	0.047 U	0.054 U	0.056 U	9.2 U	0.054 U	0.048 U	0.054 U	0.048 U	0.055 U
2-Chloronaphthalene	91-58-7	NL	NL	0.015 U	0.014 U	0.014 U	0.013 U	0.015 U	0.015 U	2.5 U	0.015 U	0.013 U	0.015 U	0.013 U	0.015 U
2-Chlorophenol	95-57-8	NL	NL	0.011 U	0.011 U	0.011 U	0.0098 U	0.011 U	0.012 U	1.9 U	0.011 U	0.01 U	0.011 U	0.01 U	0.011 U
2-Methylphenol	95-48-7	100	500	0.0068 U	0.0064 U	0.0066 U	0.0059 U	0.0068 U	0.007 U	1.2 U	0.0068 U	0.0061 U	0.0068 U	0.006 U	0.0069 U
2-Nitroaniline	88-74-4	NL	NL	0.071 U	0.066 U	0.068 U	0.062 U	0.071 U	0.073 U	12 U	0.071 U	0.063 U	0.071 U	0.063 U	0.072 U
2-Nitrophenol	88-75-5	NL	NL	0.01 U	0.0094 U	0.0097 U	0.0088 U	0.01 U	0.01 U	1.7 U	0.01 U	0.009 U	0.01 U	0.009 U	0.01 U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	0.19 U	0.18 U	0.19 U	0.17 U	0.19 U	0.2 U	33 U	0.19 U	0.17 U	0.19 U	0.17 U	0.2 U
3-Nitroaniline	99-09-2	NL	NL	0.051 U	0.048 U	0.049 U	0.044 U	0.051 U	0.053 U	8.6 U	0.051 U	0.045 U	0.051 U	0.045 U	0.051 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	0.076 U	0.071 U	0.074 U	0.066 U	0.076 U	0.079 UJ	13 UJ	0.077 UJ	0.068 UJ	0.076 U	0.068 U	0.077 U
4-Bromophenyl phenyl ether	101-55-3	NL	NL	0.07 U	0.066 U	0.068 U	0.061 U	0.07 U	0.073 U	12 U	0.071 U	0.063 U	0.07 U	0.063 U	0.071 U
4-Chloro-3-methylphenol	59-50-7	NL	NL	0.0091 U	0.0085 U	0.0088 U	0.0079 U	0.0091 U	0.0094 U	1.5 U	0.0091 U	0.0081 U	0.0091 U	0.0081 U	0.0092 U
4-Chloroaniline	106-47-8	NL	NL	0.065 U	0.061 U	0.063 U	0.056 U	0.065 U	0.067 U	11 U	0.065 U	0.058 U	0.065 U	0.058 U	0.066 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	0.0047 U	0.0044 U	0.0045 U	0.0041 U	0.0047 U	0.0049 U	0.8 U	0.0047 U	0.0042 U	0.0047 U	0.0042 U	0.0048 U
4-Methylphenol	106-44-5	100	500	0.012 U	0.012 U	0.012 U	0.011 U	0.012 U	0.013 U	2.1 U	0.012 U	0.011 U	0.012 U	0.011 U	0.012 U
4-Nitroaniline	100-01-6	NL	NL	0.025 U	0.023 U	0.024 U	0.021 U	0.025 U	0.026 U	4.2 U	0.025 U	0.022 U	0.025 U	0.022 U	0.025 U
4-Nitrophenol	100-02-7	NL	NL	0.054 U	0.05 U	0.052 U	0.047 U	0.053 U	0.055 U	9.1 U	0.054 U	0.048 U	0.053 U	0.048 U	0.054 U
Acetophenone	98-86-2	NL	NL	0.011 U	0.011 U	0.011 U	0.0098 U	0.011 U	0.012 U	1.9 U	0.011 U	0.01 U	0.011 U	0.01 U	0.011 U
Atrazine	1912-24-9	NL	NL	0.0098 U	0.0092 U	0.0095 U	0.0085 U	0.0098 U	0.01 U	1.7 U	0.0099 U	0.0088 U	0.0098 U	0.0087 U	0.0099 U
Benzaldehyde	100-52-7	NL	NL	0.024 U	0.023 U	0.023 U	0.021 U	0.024 U	0.025 U	4.1 U	0.024 U	0.022 U	0.024 U	0.022 U	0.024 U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	0.012 U	0.011 U	0.012 U	0.01 U	0.012 U	0.012 U	2 U	0.012 U	0.011 U	0.012 U	0.011 U	0.012 U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	0.019 U	0.018 U	0.018 U	0.017 U	0.019 U	0.02 U	3.2 U	0.019 U	0.017 U	0.019 U	0.017 U	0.019 U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	0.071 U	0.067 U	0.069 U	0.062 U	0.071 U	0.074 U	12 U	0.071 U	0.064 U	0.071 U	0.063 U	0.072 U
Butyl benzyl phthalate	85-68-7	NL	NL	0.059 U	0.055 U	0.057 U	0.052 U	0.059 U	0.061 U	10 U	0.06 U	0.053 U	0.059 U	0.053 U	0.06 U
Caprolactam	105-60-2	NL	NL	0.096 U	0.089 U	0.092 U	0.083 U	0.095 U	0.099 U	16 U	0.096 U	0.085 U	0.095 U	0.085 U	0.097 U
Carbazole	86-74-8	NL	NL	0.0026 U	0.0024 U	0.0025 U	0.0022 U	0.0026 U	0.0026 U	26 J	0.0026 U	0.0023 U	0.0026 U	0.0023 U	0.0026 U
Dibenzofuran	132-64-9	59	350	0.0023 U	0.0022 U	0.0022 U	0.002 U	0.0023 U	0.0024 U	**110**	0.0023 U	0.0021 U	0.0023 U	0.002 U	0.0023 U
Diethyl phthalate	131-11-3	NL	NL	0.0067 U	0.0062 U	0.0064 U	0.0058 U	0.0067 U	0.0069 U	1.1 U	0.0067 U	0.006 U	0.0067 U	0.0059 U	0.0067 U
Dimethyl phthalate	84-66-2	NL	NL	0.0058 U	0.0054 U	0.0056 U	0.005 U	0.0058 U	0.006 U	0.98 U	0.0058 U	0.0052 U	0.0058 U	0.0051 U	0.0058 U
Di-n-butyl phthalate	84-74-2	NL	NL	0.076 U	0.071 U	0.074 U	0.066 U	0.076 U	0.079 U	13 U	0.077 U	0.068 U	0.076 U	0.068 U	0.077 U
Di-n-octyl phthalate	117-84-0	NL	NL	0.0052 U	0.0048 U	0.005 U	0.0045 U	0.0052 U	0.0053 U	0.88 U	0.0052 U	0.0046 U	0.0052 U	0.0046 U	0.0052 U
Hexachlorobenzene	118-74-1	1.2	6	0.011 U	0.01 U	0.011 U	0.0095 U	0.011 U	0.011 U	1.9 U	0.011 U	0.0098 U	0.011 U	0.0098 U	0.011 U
Hexachlorobutadiene	87-68-3	NL	NL	0.011 U	0.011 U	0.011 U	0.0098 U	0.011 U	0.012 U	1.9 U	0.011 U	0.01 U	0.011 U	0.01 U	0.011 U
Hexachlorocyclopentadiene	77-47-4	NL	NL	0.067 U	0.062 U	0.064 U	0.058 U	0.067 U	0.069 U	11 U	0.067 U	0.06 U	0.067 U	0.059 U	0.067 U
Hexachloroethane	67-72-1	NL	NL	0.017 U	0.016 U	0.016 U	0.015 U	0.017 U	0.018 U	2.9 U	0.017 U	0.015 U	0.017 U	0.015 U	0.017 U
Isophorone	78-59-1	NL	NL	0.011 U	0.01 U	0.011 U	0.0096 U	0.011 U	0.011 U	1.9 U	0.011 U	0.0099 U	0.011 U	0.0098 U	0.011 U
Nitrobenzene	98-95-3	NL	NL	0.0098 U	0.0092 U	0.0094 U	0.0085 U	0.0098 U	0.01 U	1.7 U	0.0098 U	0.0088 U	0.0098 U	0.0087 U	0.0099 U
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	0.018 U	0.016 U	0.017 U	0.015 U	0.017 U	0.018 U	3 U	0.018 U	0.016 U	0.017 U	0.016 U	0.018 U
N-Nitrosodiphenylamine	86-30-6	NL	NL	0.012 U	0.011 U	0.012 U	0.01 U	0.012 U	0.012 U	2.1 U	0.012 U	0.011 U	0.012 U	0.011 U	0.012 U
Pentachlorophenol	87-86-5	6.7	6.7	0.076 U	0.071 U	0.073 U	0.066 U	0.076 U	0.078 U	13 U	0.076 U	0.068 U	0.076 U	0.067 U	0.077 U
Phenol	108-95-2	100	500	0.023 U	0.022 U	0.022 U	0.02 U	0.023 U	0.024 U	4 U	0.023 U	0.021 U	0.023 U	0.021 U	0.023 U
Total SVOCs (mg/Kg) (Note 1)	NA	NL	NL	-- U	0.652	0.287	0.197	-- U	0.452	19864	0.102	-- U	0.6186	1.099	0.685
Cyanide	57-12-5	27	27	0.6 U	0.5 U	0.6 U	0.3 U	0.5 U	0.6 U	0.5 U	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
mg/Kg = microgram per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total SVOCs includes all of the PAH and other SVOC compounds.

Table 6-2
Subsurface Soil SVOC and Cyanide Results
Ithaca Court Street Former MGP Site - OU2

Sample Designation / Area Location / Sample Date / Lab Sample ID	CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	SB 167 (16-17.5) Area 1 2/25/2010 RTC0394-04	SB168 (15-17) Area 1 2/24/2010 RTB1059-18	SB 169 (13-15) Area 1 2/25/2010 RTC0394-06	SB 169 (19-20) Area 1 2/25/2010 RTC0394-09	SB 171 (3-5) Area 1 2/25/2010 RTC0394-10	SB 171 (10-12.5) Area 1 2/25/2010 RTC0394-07	SB 174 (15-17) Area 1 2/26/2010 RTC0394-02	SB 175 (11-12.5) Area 1 2/26/2010 RTC0394-01	MW43S (6.5-7.5) Area 1 2/12/2010 RTB0760-04	MW44S (10-11) Area 1 2/23/2010 RTB1059-06	MW45S (6-7) Area 2 2/22/2010 RTB1059-07
PAH Compounds (mg/Kg)														
2-Methylnaphthalene	91-57-6	NL	NL	0.0026 U	0.033 J	0.025 J	0.0026 U	5.5	0.0027 U	0.0027 U	0.0027 U	0.003 U	0.11 J	0.0023 U
Acenaphthene	83-32-9	100	500	0.035 J	0.021 J	0.011 J	0.0025 U	2.7	0.02 J	0.018 J	0.0026 U	0.0029 U	0.11 J	0.0023 U
Acenaphthylene	208-96-8	100	500	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.17 J	0.0018 U	0.0018 U	0.0018 U	0.002 U	0.0017 U	0.0016 U
Anthracene	120-12-7	100	500	0.0055 U	0.0056 U	0.0056 U	0.0055 U	0.77	0.0056 U	0.0057 U	0.0057 U	0.0063 U	0.0054 U	0.005 U
Benzo(a)anthracene	56-55-3	1	5.6	0.0037 U	0.0038 U	0.0038 U	0.0037 U	0.46	0.0038 U	0.019 J	0.0038 U	0.0042 U	0.0036 U	0.0033 U
Benzo(a)pyrene	50-32-8	1	1	0.0052 U	0.0053 U	0.0053 U	0.0052 U	0.37	0.0053 U	0.013 J	0.0054 U	0.0059 U	0.005 U	0.0047 U
Benzo(b)fluoranthene	205-99-2	1	5.6	0.0042 U	0.0043 U	0.0043 U	0.0042 U	0.32	0.0043 U	0.012 J	0.0043 U	0.0048 U	0.0041 U	0.0038 U
Benzo(ghi)perylene	191-24-2	100	500	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.21 J	0.0026 U	0.0027 U	0.0027 U	0.0029 U	0.0025 U	0.0023 U
Benzo(k)fluoranthene	207-08-9	3.9	56	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.15 J	0.0024 U	0.0025 U	0.0024 U	0.0027 U	0.0023 U	0.0021 U
Chrysene	218-01-9	3.9	56	0.0022 U	0.0022 U	0.0022 U	0.0021 U	0.41	0.0022 U	0.015 J	0.0022 U	0.0024 U	0.0021 U	0.0019 U
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.0025 U	0.0026 U	0.0026 U	0.0025 U	0.056 J	0.0026 U	0.0026 U	0.0026 U	0.0029 U	0.0025 U	0.0023 U
Fluoranthene	206-44-0	100	500	0.0031 U	0.0032 U	0.0032 U	0.0031 U	0.93	0.0032 U	0.029 J	0.0032 U	0.0035 U	0.003 U	0.0028 U
Fluorene	86-73-7	100	500	0.012 J	0.0051 U	0.0051 U	0.0049 U	1.1	0.0051 U	0.012 J	0.0051 U	0.0056 U	0.0048 U	0.0045 U
Indeno(1,2,3-cd)pyrene	193-39-5	.5	5.6	0.006 U	0.0061 U	0.0061 U	0.0059 U	0.17 J	0.0061 U	0.0062 U	0.0062 U	0.0068 U	0.0058 U	0.0054 U
Naphthalene	91-20-3	100	500	0.0036 U	0.043 J	1.7	0.0036 U	6.6	0.04 J	0.021 J	0.027 J	0.0041 U	0.8	0.0032 U
Phenanthrene	85-01-8	100	500	0.011 J	0.039 J	0.011 J	0.0045 U	2.3	0.0046 U	0.052 J	0.0047 U	0.0051 U	0.0044 U	0.0041 U
Pyrene	129-00-0	100	500	0.0014 U	0.0014 U	0.0014 U	0.0014 U	1.1	0.0014 U	0.038 J	0.0014 U	0.0016 U	0.0014 U	0.0013 U
Total PAHs (mg/Kg)	NA	NL	NL	0.058	0.136	1.747	-- U	23.316	0.06	0.229	0.027	-- U	1.02	-- U
Other SVOCs (mg/Kg)														
1,1'-Biphenyl	92-52-4	NL	NL	0.013 U	0.014 U	0.014 U	0.013 U	0.56	0.014 U	0.014 U	0.014 U	0.015 U	0.025 J	0.012 U
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	0.023 U	0.023 U	0.023 U	0.022 U	0.023 U	0.023 U	0.023 U	0.023 U	0.026 U	0.022 U	0.02 U
2,4,5-Trichlorophenol	95-95-4	NL	NL	0.047 U	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	0.049 U	0.049 U	0.053 U	0.046 U	0.042 U
2,4,6-Trichlorophenol	88-06-2	NL	NL	0.014 U	0.015 U	0.014 U	0.014 U	0.014 U	0.014 U	0.015 U	0.015 U	0.016 U	0.014 U	0.013 U
2,4-Dichlorophenol	120-83-2	NL	NL	0.011 U	0.012 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.012 U	0.013 U	0.011 U	0.01 U
2,4-Dimethylphenol	105-67-9	NL	NL	0.058 U	0.059 U	0.059 U	0.058 U	0.059 U	0.059 U	0.061 U	0.06 U	0.066 U	0.056 U	0.052 U
2,4-Dinitrophenol	51-28-5	NL	NL	0.076 UJ	0.077 UJ	0.077 UJ	0.075 UJ	0.076 UJ	0.077 UJ	0.078 UJ	0.078 UJ	0.086 U	0.073 UJ	0.068 UJ
2,4-Dinitrotoluene	121-14-2	NL	NL	0.033 U	0.034 U	0.034 U	0.033 U	0.034 U	0.034 U	0.035 U	0.034 U	0.038 U	0.032 U	0.03 U
2,6-Dinitrotoluene	606-20-2	NL	NL	0.053 U	0.054 U	0.054 U	0.052 U	0.053 U	0.054 U	0.055 U	0.054 U	0.06 U	0.051 U	0.047 U
2-Chloronaphthalene	91-58-7	NL	NL	0.014 U	0.015 U	0.015 U	0.014 U	0.015 U	0.015 U	0.015 U	0.015 U	0.016 U	0.014 U	0.013 U
2-Chlorophenol	95-57-8	NL	NL	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.0099 U
2-Methylphenol	95-48-7	100	500	0.0066 U	0.0068 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0069 U	0.0068 U	0.0075 U	0.0064 U	0.006 U
2-Nitroaniline	88-74-4	NL	NL	0.069 U	0.071 U	0.07 U	0.069 U	0.07 U	0.07 U	0.072 U	0.071 U	0.079 U	0.067 U	0.062 U
2-Nitrophenol	88-75-5	NL	NL	0.0099 U	0.01 U	0.01 U	0.0098 U	0.01 U	0.01 U	0.01 U	0.01 U	0.011 U	0.0096 U	0.0089 U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.2 U	0.2 U	0.21 U	0.18 U	0.17 U
3-Nitroaniline	99-09-2	NL	NL	0.05 U	0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.052 U	0.051 U	0.056 U	0.048 U	0.045 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	0.075 U	0.076 UJ	0.076 U	0.074 U	0.075 U	0.076 U	0.077 U	0.077 U	0.085 U	0.072 UJ	0.067 UJ
4-Bromophenyl phenyl ether	101-55-3	NL	NL	0.069 U	0.07 U	0.07 U	0.068 U	0.07 U	0.07 U	0.071 U	0.071 U	0.078 U	0.067 U	0.062 U
4-Chloro-3-methylphenol	59-50-7	NL	NL	0.0089 U	0.009 U	0.009 U	0.0088 U	0.009 U	0.009 U	0.0092 U	0.0092 U	0.01 U	0.0086 U	0.008 U
4-Chloroaniline	106-47-8	NL	NL	0.063 U	0.065 U	0.064 U	0.063 U	0.064 U	0.064 U	0.066 U	0.065 U	0.072 U	0.061 U	0.057 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	0.0046 U	0.0047 U	0.0047 U	0.0046 U	0.0047 U	0.0047 U	0.0048 U	0.0047 U	0.0052 U	0.0045 U	0.0041 U
4-Methylphenol	106-44-5	100	500	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U	0.011 U
4-Nitroaniline	100-01-6	NL	NL	0.024 U	0.025 U	0.025 U	0.024 U	0.024 U	0.025 U	0.025 U	0.025 U	0.027 U	0.023 U	0.022 U
4-Nitrophenol	100-02-7	NL	NL	0.052 U	0.053 U	0.053 U	0.052 U	0.053 U	0.053 U	0.054 U	0.054 U	0.059 U	0.051 U	0.047 U
Acetophenone	98-86-2	NL	NL	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.013 U	0.011 U	0.01 U
Atrazine	1912-24-9	NL	NL	0.0096 U	0.0098 U	0.0098 U	0.0095 U	0.0097 U	0.0098 U	0.01 U	0.0099 U	0.011 U	0.0093 U	0.0086 U
Benzaldehyde	100-52-7	NL	NL	0.024 U	0.024 U	0.024 U	0.023 U	0.024 U	0.024 U	0.025 U	0.024 U	0.027 U	0.023 U	0.021 U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.013 U	0.011 U	0.011 U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	0.019 U	0.019 U	0.019 U	0.018 U	0.019 U	0.019 U	0.019 U	0.019 U	0.021 U	0.018 U	0.017 U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	0.07 U	0.071 U	0.071 U	0.069 U	0.07 U	0.071 U	0.072 U	0.072 U	0.079 U	0.067 U	0.062 U
Butyl benzyl phthalate	85-68-7	NL	NL	0.058 U	0.059 U	0.059 U	0.057 U	0.059 U	0.059 U	0.06 U	0.06 U	0.066 U	0.056 U	0.052 U
Caprolactam	105-60-2	NL	NL	0.093 U	0.095 U	0.095 U	0.093 U	0.095 U	0.095 U	0.097 U	0.096 U	0.11 U	0.09 U	0.084 U
Carbazole	86-74-8	NL	NL	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0026 U	0.0026 U	0.0028 U	0.0024 U	0.0022 U
Dibenzofuran	132-64-9	59	350	0.0022 U	0.0023 U	0.0023 U	0.0022 U	0.18 J	0.0023 U	0.0023 U	0.0023 U	0.0025 U	0.0022 U	0.002 U
Diethyl phthalate	131-11-3	NL	NL	0.0065 U	0.0066 U	0.0066 U	0.0065 U	0.0066 U	0.0066 U	0.0068 U	0.0067 U	0.0074 U	0.0063 U	0.0059 U
Dimethyl phthalate	84-66-2	NL	NL	0.0056 U	0.0057 U	0.0057 U	0.0056 U	0.0057 U	0.0057 U	0.0058 U	0.0058 U	0.0064 U	0.0055 U	0.0051 U
Di-n-butyl phthalate	84-74-2	NL	NL	0.075 U	0.076 U	0.076 U	0.074 U	0.076 U	0.076 U	0.077 U	0.077 U	0.085 U	0.072 U	0.067 U
Di-n-octyl phthalate	117-84-0	NL	NL	0.005 U	0.0051 U	0.0051 U	0.005 U	0.0051 U	0.0051 U	0.0052 U	0.0052 U	0.0057 U	0.0049 U	0.0045 U
Hexachlorobenzene	118-74-1	1.2	6	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.01 U	0.0096 U
Hexachlorobutadiene	87-68-3	NL	NL	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.013 U	0.011 U	0.0099 U
Hexachlorocyclopentadiene	77-47-4	NL	NL	0.065 U	0.066 U	0.066 U	0.065 U	0.066 U	0.066 U	0.068 U	0.067 U	0.074 U	0.063 U	0.059 U
Hexachloroethane	67-72-1	NL	NL	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.019 U	0.016 U	0.015 U
Isophorone	78-59-1	NL	NL	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.01 U	0.0097 U
Nitrobenzene	98-95-3	NL	NL	0.0096 U	0.0097 U	0.0097 U	0.0095 U	0.0097 U	0.0097 U	0.0099 U	0.0099 U	0.011 U	0.0093 U	0.0086 U
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.018 U	0.018 U	0.019 U	0.017 U	0.015 U
N-Nitrosodiphenylamine	86-30-6	NL	NL	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.013 U	0.011 U	0.011 U
Pentachlorophenol	87-86-5	6.7	6.7	0.074 U	0.075 U	0.075 U	0.073 U	0.075 U	0.075 U	0.077 U	0.076 U	0.084 U	0.072 U	0.067 U
Phenol	108-95-2	100	500	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.024 U	0.023 U	0.026 U	0.022 U	0.02 U
Total SVOCs (mg/Kg) (Note 1)	NA	NL	NL	0.058	0.136	1.747	-- U	24.056	0.06	0.229	0.027	-- U	1.045	-- U
Cyanide	57-12-5	27	27	0.6 U	0.6 U	0.6 U	0.6 U	0.4 U	0.6 U	0.6 U	0.6 U	0.8 U	0.6 U	0.5 U

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
mg/Kg = microgram per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total SVOCs includes all of the PAH and other SVOC compounds.

Table 6-2
Subsurface Soil SVOC and Cyanide Results
Ithaca Court Street Former MGP Site - OU2

Sample Designation Area Location Sample Date Lab Sample ID	CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	MW46S (15-16) Area 2 2/15/2010 RTB0760-09	MW46S (18-20) Area 2 2/15/2010 RTB0760-06	MW47S (5.5-7.5) Area 2 2/17/2010 RTB0876-09	MW48S (10-11) Area 2 2/22/2010 RTB1059-10	MW480 (10-11) Area 2 2/22/2010 DUPLICATE	MW48S (13-15) Area 2 2/22/2010 RTB1059-11	RW4 (12-15.5) Area 1 2/23/2010 RTB1059-03	RW4 (18-20) Area 1 2/23/2010 RTB1059-02	RW5 (15-17) Area 1 2/24/2010 RTB1059-01	RW6 (13-15) Area 1 2/24/2010 RTB1059-13
PAH Compounds (mg/Kg)													
2-Methylnaphthalene	91-57-6	NL	NL	0.36	0.0034 U	0.0026 U	0.84	1.9	0.038 J	0.15 J	0.0027 U	0.027 J	0.0033 U
Acenaphthene	83-32-9	100	500	0.1 J	0.0033 U	0.0025 U	0.47	0.94	0.0027 U	0.23	0.0026 U	0.042 J	0.0032 U
Acenaphthylene	208-96-8	100	500	0.0018 U	0.0023 U	0.091 J	0.033 J	0.029 J	0.0019 U	0.0018 U	0.0018 U	0.0018 U	0.0022 U
Anthracene	120-12-7	100	500	0.096 J	0.0073 U	0.017 J	0.11 J	0.14 J	0.0059 U	0.0056 U	0.0056 U	0.016 J	0.0069 U
Benzo(a)anthracene	56-55-3	1	5.6	0.024 J	0.0049 U	0.21 J	0.14 J	0.12 J	0.0039 U	0.0038 U	0.0038 U	0.021 J	0.0047 U
Benzo(a)pyrene	50-32-8	1	1	0.0053 U	0.0069 U	0.34	0.1 J	0.083 J	0.0055 U	0.0053 U	0.0053 U	0.0052 U	0.0065 U
Benzo(b)fluoranthene	205-99-2	1	5.6	0.0043 U	0.0055 U	0.37 J	0.069 J	0.051 J	0.0044 U	0.0042 U	0.0043 U	0.0042 U	0.0052 U
Benzo(ghi)perylene	191-24-2	100	500	0.0026 U	0.0034 U	0.21 J	0.037 J	0.025 J	0.0027 U	0.0026 U	0.0026 U	0.0026 U	0.0032 U
Benzo(k)fluoranthene	207-08-9	3.9	56	0.0024 U	0.0031 U	0.0023 UJ	0.037 J	0.036 J	0.0025 U	0.0024 U	0.0024 U	0.0024 U	0.003 U
Chrysene	218-01-9	3.9	56	0.018 J	0.0028 U	0.22	0.14 J	0.12 J	0.0023 U	0.0022 U	0.0022 U	0.0022 U	0.0027 U
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.0026 U	0.0033 U	0.049 J	0.0025 U	0.0025 U	0.0027 U	0.0026 U	0.0026 U	0.0025 U	0.0032 U
Fluoranthene	206-44-0	100	500	0.1 J	0.0041 U	0.12 J	0.15 J	0.15 J	0.0033 U	0.0032 U	0.0032 U	0.049 J	0.0039 U
Fluorene	86-73-7	100	500	0.052 J	0.0066 U	0.0049 U	0.16 J	0.31	0.0053 U	0.025 J	0.0051 U	0.021 J	0.0062 U
Indeno(1,2,3-cd)pyrene	193-39-5	.5	5.6	0.0061 U	0.0079 U	0.17 J	0.031 J	0.0058 U	0.0063 U	0.006 U	0.0061 U	0.006 U	0.0075 U
Naphthalene	91-20-3	100	500	1.3	0.0047 U	0.0035 U	1.1	2.4	0.21 J	1.6	0.13 J	0.075 J	0.0045 U
Phenanthrene	85-01-8	100	500	0.26	0.006 U	0.037 J	0.35	0.53	0.0048 U	0.019 J	0.0046 U	0.11 J	0.0057 U
Pyrene	129-00-0	100	500	0.16 J	0.0018 U	0.18 J	0.24	0.23	0.0015 U	0.0014 U	0.0014 U	0.061 J	0.0017 U
Total PAHs (mg/Kg)	NA	NL	NL	2.47	-- U	2.014	4.007	7.064	0.248	2.024	0.13	0.422	-- U
Other SVOCs (mg/Kg)													
1,1'-Biphenyl	92-52-4	NL	NL	0.028 J	0.018 U	0.013 U	0.078 J	0.18 J	0.014 U	0.035 J	0.014 U	0.013 U	0.017 U
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	0.023 U	0.03 U	0.022 U	0.022 U	0.022 U	0.024 U	0.023 U	0.023 U	0.023 U	0.028 U
2,4,5-Trichlorophenol	95-95-4	NL	NL	0.048 U	0.062 U	0.047 U	0.045 U	0.046 U	0.05 U	0.048 U	0.048 U	0.047 U	0.059 U
2,4,6-Trichlorophenol	88-06-2	NL	NL	0.015 U	0.019 U	0.014 U	0.014 U	0.014 U	0.015 U	0.014 U	0.014 U	0.014 U	0.018 U
2,4-Dichlorophenol	120-83-2	NL	NL	0.012 U	0.015 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.012 U	0.011 U	0.014 U
2,4-Dimethylphenol	105-67-9	NL	NL	0.06 U	0.077 U	0.058 U	0.056 U	0.057 U	0.062 U	0.059 U	0.059 U	0.058 U	0.073 U
2,4-Dinitrophenol	51-28-5	NL	NL	0.077 U	0.099 U	0.075 UJ	0.073 UJ	0.074 UJ	0.08 UJ	0.076 UJ	0.077 UJ	0.076 UJ	0.094 UJ
2,4-Dinitrotoluene	121-14-2	NL	NL	0.034 U	0.044 U	0.033 U	0.032 U	0.033 U	0.035 U	0.034 U	0.034 U	0.033 U	0.042 U
2,6-Dinitrotoluene	606-20-2	NL	NL	0.054 U	0.07 U	0.052 U	0.051 U	0.052 U	0.056 U	0.053 U	0.054 U	0.053 U	0.066 U
2-Chloronaphthalene	91-58-7	NL	NL	0.015 U	0.019 U	0.014 U	0.014 U	0.014 U	0.015 U	0.015 U	0.015 U	0.014 U	0.018 U
2-Chlorophenol	95-57-8	NL	NL	0.011 U	0.014 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.011 U	0.014 U
2-Methylphenol	95-48-7	100	500	0.0068 U	0.0087 U	0.0066 U	0.0064 U	0.0065 U	0.007 U	0.0067 U	0.0067 U	0.0066 U	0.0083 U
2-Nitroaniline	88-74-4	NL	NL	0.071 U	0.091 U	0.068 U	0.067 U	0.068 U	0.073 U	0.07 U	0.07 U	0.069 U	0.087 U
2-Nitrophenol	88-75-5	NL	NL	0.01 U	0.013 U	0.0097 U	0.0095 U	0.0097 U	0.01 U	0.01 U	0.01 U	0.0099 U	0.012 U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	0.19 U	0.25 U	0.19 U	0.18 U	0.19 U	0.2 U	0.19 U	0.19 U	0.19 U	0.24 U
3-Nitroaniline	99-09-2	NL	NL	0.051 U	0.065 U	0.049 U	0.048 U	0.049 U	0.053 U	0.05 U	0.05 U	0.05 U	0.062 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	0.076 U	0.098 U	0.074 U	0.072 UJ	0.073 UJ	0.079 UJ	0.075 UJ	0.076 UJ	0.075 UJ	0.093 UJ
4-Bromophenyl phenyl ether	101-55-3	NL	NL	0.07 U	0.09 U	0.068 U	0.066 U	0.067 U	0.073 U	0.069 U	0.07 U	0.069 U	0.086 U
4-Chloro-3-methylphenol	59-50-7	NL	NL	0.0091 U	0.012 U	0.0088 U	0.0086 U	0.0087 U	0.0094 U	0.009 U	0.009 U	0.0089 U	0.011 U
4-Chloroaniline	106-47-8	NL	NL	0.065 U	0.083 U	0.063 U	0.061 U	0.062 U	0.067 U	0.064 U	0.064 U	0.063 U	0.079 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	0.0047 U	0.0061 U	0.0045 U	0.0044 U	0.0045 U	0.0049 U	0.0047 U	0.0047 U	0.0046 U	0.0058 U
4-Methylphenol	106-44-5	100	500	0.012 U	0.016 U	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U	0.012 U	0.012 U	0.015 U
4-Nitroaniline	100-01-6	NL	NL	0.025 U	0.032 U	0.024 U	0.023 U	0.024 U	0.026 U	0.024 U	0.025 U	0.024 U	0.03 U
4-Nitrophenol	100-02-7	NL	NL	0.053 U	0.069 U	0.052 U	0.051 U	0.051 U	0.055 U	0.053 U	0.053 U	0.052 U	0.065 U
Acetophenone	98-86-2	NL	NL	0.011 U	0.015 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.011 U	0.014 U
Atrazine	1912-24-9	NL	NL	0.0098 U	0.013 U	0.0095 U	0.0093 U	0.0094 U	0.01 U	0.0097 U	0.0098 U	0.0096 U	0.012 U
Benzaldehyde	100-52-7	NL	NL	0.024 U	0.031 U	0.023 U	0.023 U	0.023 U	0.025 U	0.024 U	0.024 U	0.024 U	0.03 U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	0.012 U	0.015 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.015 U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	0.019 U	0.025 U	0.018 U	0.018 U	0.018 U	0.02 U	0.019 U	0.019 U	0.019 U	0.023 U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	0.071 U	0.092 U	0.069 U	0.067 U	0.068 U	0.074 U	0.07 U	0.071 U	0.07 U	0.087 U
Butyl benzyl phthalate	85-68-7	NL	NL	0.059 U	0.076 U	0.057 U	0.056 U	0.057 U	0.061 U	0.059 U	0.059 U	0.058 U	0.072 U
Caprolactam	105-60-2	NL	NL	0.095 U	0.12 U	0.092 U	0.09 U	0.091 U	0.099 U	0.094 U	0.095 U	0.093 U	0.12 U
Carbazole	86-74-8	NL	NL	0.0025 U	0.0033 U	0.0025 U	0.0024 U	0.0024 U	0.0026 U	0.0025 U	0.0025 U	0.0025 U	0.0031 U
Dibenzofuran	132-64-9	59	350	0.0023 U	0.003 U	0.0022 U	0.0022 U	0.035 J	0.0024 U	0.0023 U	0.0023 U	0.0022 U	0.0028 U
Diethyl phthalate	131-11-3	NL	NL	0.0067 U	0.0086 U	0.0064 U	0.0063 U	0.0064 U	0.0069 U	0.0066 U	0.0066 U	0.0065 U	0.0081 U
Dimethyl phthalate	84-66-2	NL	NL	0.0057 U	0.0074 U	0.0056 U	0.0054 U	0.0055 U	0.006 U	0.0057 U	0.0057 U	0.0056 U	0.007 U
Di-n-butyl phthalate	84-74-2	NL	NL	0.076 U	0.098 U	0.074 U	0.072 U	0.073 U	0.079 U	0.075 U	0.076 U	0.075 U	0.093 U
Di-n-octyl phthalate	117-84-0	NL	NL	0.0052 U	0.0067 U	0.005 U	0.0049 U	0.0049 U	0.0053 U	0.0051 U	0.0051 U	0.0051 U	0.0063 U
Hexachlorobenzene	118-74-1	1.2	6	0.011 U	0.014 U	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.013 U
Hexachlorobutadiene	87-68-3	NL	NL	0.011 U	0.015 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.011 U	0.014 U
Hexachlorocyclopentadiene	77-47-4	NL	NL	0.067 U	0.086 U	0.064 U	0.063 U	0.064 U	0.069 U	0.066 U	0.066 U	0.065 U	0.082 U
Hexachloroethane	67-72-1	NL	NL	0.017 U	0.022 U	0.017 U	0.016 U	0.016 U	0.018 U	0.017 U	0.017 U	0.017 U	0.021 U
Isophorone	78-59-1	NL	NL	0.011 U	0.014 U	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.013 U
Nitrobenzene	98-95-3	NL	NL	0.0098 U	0.013 U	0.0095 U	0.0092 U	0.0094 U	0.01 U	0.0097 U	0.0097 U	0.0096 U	0.012 U
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	0.017 U	0.023 U	0.017 U	0.017 U	0.017 U	0.018 U	0.017 U	0.017 U	0.017 U	0.021 U
N-Nitrosodiphenylamine	86-30-6	NL	NL	0.012 U	0.016 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.015 U
Pentachlorophenol	87-86-5	6.7	6.7	0.076 U	0.098 U	0.073 U	0.071 U	0.073 U	0.078 U	0.075 U	0.075 U	0.074 U	0.093 U
Phenol	108-95-2	100	500	0.023 U	0.03 U	0.022 U	0.022 U	0.022 U	0.024 U	0.023 U	0.023 U	0.023 U	0.028 U
Total SVOCs (mg/Kg) (Note 1)	NA	NL	NL	2.498	-- U	2.014	4.085	7.279	0.248	2.059	0.13	0.422	-- U
Cyanide	57-12-5	27	27	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.8 U

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
mg/Kg = microgram per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total SVOCs includes all of the PAH and other SVOC compounds.

Table 6-3
Groundwater VOC Results
Ithaca Court Street Former MGP Site - OU2

Location ID	CAS #	NYSDEC Groundwater Guidance or Standard Value (Note 1)	MW-11S	MW-11S DUP	MW-11D	MW-12S	MW-14S	MW-14D	MW-17D	MW-17S	MW-20S	MW-20D	MW-21S	MW-21D	MW-22S	MW-22D	MW-23S	MW-23D	MW-24S	MW-24D	MW-25S	MW-27
Area Location			Area 1	Area 1	Area 1	Area 1	Area 1	Area 1	Area 2	Area 2	Area 1	Area 1	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 1	Area 1	Area 1	Area 1
Sample Date			RTC0772-06	RTC0772-07	RTC0772-05	RTC0843-01	RTC0772-12	RTC0772-13	RTC0772-08	RTC0772-09	RTC0843-06	RTC0843-03	RTC0772-02	RTC0772-01	RTC0771-02	RTC0771-01	RTC0771-04	RTC0771-03	RTC0843-10	RTC0843-11	RTC0843-02	RTC0843-09
Lab Sample ID			3/9/2010	3/9/2010	3/9/2010	3/10/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/10/2010	3/10/2010	3/9/2010	3/9/2010	3/8/2010	3/8/2010	3/8/2010	3/8/2010	3/10/2010	3/10/2010	3/10/2010	3/10/2010
BTEX Compounds (ug/L)																						
Benzene	71-43-2	1 s	**5**	**5**	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Ethylbenzene	100-41-4	5 s	**0.79** J	**0.79 J**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Toluene	108-88-3	5 s	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Xylenes, total	1330-20-7	5 s	0.66 U	**1.1 J**	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Total BTEX Compounds (ug/L)	NA	NL	**5.79**	**6.89**	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U
Other VOCs (ug/L)																						
1,1,1-Trichloroethane	71-55-6	5 s	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,1,2,2-Tetrachloroethane	79-34-5	5 s	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.21 U	0.21 U	0.21 U	0.21 U	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ
1,1,2-Trichloroethane	79-00-5	5 s	0.23 U	0.23 U	0.23 U	0.23 UJ	0.23 U	0.23 U	0.23 U	0.23 U	0.23 UJ	0.23 UJ	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 UJ	0.23 UJ	0.23 UJ	0.23 UJ
1,1,2-Trichlorotrifluoroethane	76-13-1	1 s	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
1,1-Dichloroethane	75-34-3	5 s	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,1-Dichloroethene	75-35-4	5 s	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
1,2,4-Trichlorobenzene	120-82-1	5 s	0.41 U	0.41 U	0.41 U	0.41 UJ	0.41 U	0.41 U	0.41 U	0.41 UJ	0.41 UJ	0.41 UJ	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 UJ	0.41 UJ	0.41 UJ	0.41 UJ
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ	0.39 U	0.39 U	0.39 U	0.39 U	0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ
1,2-Dibromoethane (EDB)	106-93-4	0.0006 s	0.17 U	0.17 U	0.17 U	0.17 UJ	0.17 U	0.17 U	0.17 U	0.17 U	0.17 UJ	0.17 UJ	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ
1,2-Dichlorobenzene	95-50-1	3 s	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	107-06-2	0.6 s	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,2-Dichloroethene, Total	540-59-0	NL	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 U	0.7 U	0.7 U	0.7 U	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ
1,2-Dichloropropane	78-87-5	1 s	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,3-Dichlorobenzene	541-73-1	3 s	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
1,4-Dichlorobenzene	106-46-7	3 s	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
2-Butanone (MEK)	78-93-3	50 g	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ
2-Hexanone	591-78-6	50 g	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
4-Methyl-2-pentanone (MIBK)	108-10-1	NL	0.91 U	0.91 U	0.91 U	0.91 UJ	0.91 U	0.91 U	0.91 U	0.91 U	0.91 UJ	0.91 UJ	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 UJ	0.91 UJ	0.91 UJ	0.91 UJ
Acetone	67-64-1	50 g	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**2.6 J**	**6**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromodichloromethane	75-27-4	50 g	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
Bromoform	75-25-2	50 g	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ
Bromomethane	74-83-9	5 s	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 R	0.28 R	0.28 R	0.28 R	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ
Carbon disulfide	75-15-0	60 g	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon Tetrachloride	56-23-5	5 s	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Chlorobenzene	108-90-7	5 s	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Chloroethane	75-00-3	5 s	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 UJ	0.32 UJ	0.32 UJ	0.32 UJ	0.32 U	0.32 U	0.32 U	0.32 U
Chloroform	67-66-3	7 s	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Chloromethane	74-87-3	5 s	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
cis-1,2-Dichloroethene	156-59-2	5 s	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
cis-1,3-Dichloropropene	10061-01-5	0.4 s	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Cyclohexane	110-82-7	NL	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chlorodibromomethane	124-48-1	50 g	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Dichlorodifluoromethane	75-71-8	5 s	0.29 UJ	0.29 UJ	0.29 UJ	0.29 UJ	0.29 UJ	0.29 UJ	0.29 UJ	0.29 UJ	0.29 UJ	0.29 UJ	0.29 UJ	0.29 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 UJ	0.29 UJ	0.29 UJ	0.29 UJ
Isopropylbenzene	98-82-8	5 s	**2.1**	**2.2**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Methyl Acetate	79-20-9	NL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Methyl tert-Butyl Ether	1634-04-4	10 g	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Methylcyclohexane	108-87-2	NL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	75-09-2	5 s	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Styrene	100-42-5	5 s	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Tetrachloroethene	127-18-4	5 s	0.36 U	0.36 U	0.36 U	0.36 U	0.72 J	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
trans-1,2-Dichloroethene	156-60-5	5 s	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
trans-1,3-Dichloropropene	10061-02-6	0.4 s	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
Trichloroethene	79-01-6	5 s	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Trichlorofluoromethane	75-69-4	5 s	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ	0.15 U	0.15 U	0.15 U	0.15 U	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ
Vinyl chloride	75-01-4	2 s	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Total VOCs (ug/L) (Note 2)	NA	NL	**7.89**	**9.09**	-- U	-- U	-- U	-- U	-- U	**2.6**	**6**	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
R = The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.
ug/L = micrograms per liter
Bold value - compound detected at concentration greater than the reporting limit
Yellow Shading = Compound detected at a concentration greater than the standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total VOCs includes BTEX compounds.

Table 6-3
Groundwater VOC Results
Ithaca Court Street Former MGP Site - OU2

Location ID	CAS #	NYSDEC Groundwater Guidance or Standard Value (Note 1)	MW-29S	MW-30S	MW-31S	MW-32S	MW-33S	MW-33S DUP-1	MW-35S	MW-36	MW-37	MW-38	MW-39	MW-40	MW-41S	MW-42	MW-43S	MW-44S	MW-45S	MW-46S	MW-47S	MW-48S
Sample Date			Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 1	Area 1	Area 1	Area 1	Area 2	Area 2	Area 2	Area 2
Sample Date			RTC0771-05	RTC0771-10	RTC0771-09	RTC0771-11	RTC0772-10	RTC0772-11	RTC0772-03	RTC0843-15	RTC0771-06	RTC0771-08	RTC0772-04	RTC0771-07	RTC0843-08	RTC0843-14	RTC0892-01	RTC0892-04	RTC0892-02	RTC0843-07	RTC0892-03	RTC0892-05
Lab Sample ID			3/8/2010	3/8/2010	3/8/2010	3/8/2010	3/9/2010	3/9/2010	3/9/2010	3/10/2010	3/8/2010	3/8/2010	3/9/2010	3/8/2010	3/10/2010	3/10/2010	3/11/2010	3/11/2010	3/11/2010	3/10/2010	3/11/2010	3/11/2010
BTEX Compounds (ug/L)																						
Benzene	71-43-2	1 s	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	**10**	0.41 U	0.41 U	0.41 U	1.6 U	**12**	1.6 U	**1300**	0.41 U	**620**
Ethylbenzene	100-41-4	5 s	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	**1.4**	0.18 U	0.18 U	0.18 U	0.74 U	**1.3**	0.74 U	**1000**	0.18 U	**1100**
Toluene	108-88-3	5 s	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	2 U	0.51 U	2 U	**42**	0.51 U	**74**
Xylenes, total	1330-20-7	5 s	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	**0.77** J	0.66 U	0.66 U	0.66 U	2.6 U	0.66 U	2.6 U	**630**	0.66 U	**550**
Total BTEX Compounds (ug/L)	NA	NL	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	**12.17**	-- U	-- U	-- U	-- U	**13.3**	-- U	**2972**	-- U	**2344**
Other VOCs (ug/L)																						
1,1,1-Trichloroethane	71-55-6	5 s	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	1.1 U	0.26 U	1.1 U	6.6 UJ	0.26 U	1.1 U
1,1,2,2-Tetrachloroethane	79-34-5	5 s	0.21 U	0.21 U	0.21 U	0.21 U	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.21 U	0.21 U	0.21 UJ	0.21 U	0.21 UJ	0.21 UJ	0.85 U	0.21 U	0.85 U	5.3 U	0.21 U	0.85 U
1,1,2-Trichloroethane	79-00-5	5 s	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 UJ	0.23 U	0.23 U	0.23 U	0.23 U	0.23 UJ	0.23 UJ	0.92 U	0.23 U	0.92 U	5.8 U	0.23 U	0.92 U
1,1,2-Trichlorotrifluoroethane	76-13-1	1 s	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.2 U	0.31 U	1.2 U	7.7 U	0.31 U	1.2 U
1,1-Dichloroethane	75-34-3	5 s	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	1.5 U	0.38 U	1.5 U	9.6 U	0.38 U	1.5 U
1,1-Dichloroethene	75-35-4	5 s	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.2 U	0.29 U	1.2 U	7.3 U	0.29 U	1.2 U
1,2,4-Trichlorobenzene	120-82-1	5 s	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 UJ	0.41 U	0.41 U	0.41 U	0.41 U	0.41 UJ	0.41 UJ	1.6 U	0.41 U	1.6 U	10 U	0.41 U	1.6 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	0.39 U	0.39 U	0.39 U	0.39 U	0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ	0.39 U	0.39 U	0.39 UJ	0.39 U	0.39 UJ	0.39 UJ	1.6 U	0.39 U	1.6 U	9.8 U	0.39 U	1.6 U
1,2-Dibromoethane (EDB)	106-93-4	0.0006 s	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 UJ	0.17 U	0.17 U	0.17 U	0.17 U	0.17 UJ	0.17 UJ	0.66 U	0.17 U	0.66 U	4.2 U	0.17 U	0.66 U
1,2-Dichlorobenzene	95-50-1	3 s	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.81 U	0.2 U	0.81 U	5.1 U	0.2 U	0.81 U
1,2-Dichloroethane	107-06-2	0.6 s	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.86 U	0.21 U	0.86 U	5.4 UJ	0.21 U	0.86 U
1,2-Dichloroethene, Total	540-59-0	NL	0.7 U	0.7 U	0.7 U	0.7 U	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 U	0.7 U	0.7 UJ	0.7 U	0.7 UJ	0.7 UJ	2.8 U	0.7 U	2.8 U	17 U	0.7 U	2.8 U
1,2-Dichloropropane	78-87-5	1 s	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1.3 U	0.32 U	1.3 U	8.1 U	0.32 U	1.3 U
1,3-Dichlorobenzene	541-73-1	3 s	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1.4 U	0.36 U	1.4 U	8.9 U	0.36 U	1.4 U
1,4-Dichlorobenzene	106-46-7	3 s	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	1.6 U	0.39 U	1.6 U	9.8 U	0.39 U	1.6 U
2-Butanone (MEK)	78-93-3	50 g	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 UJ	5.3 U	1.3 U	5.3 U	33 U	1.3 U	5.3 U
2-Hexanone	591-78-6	50 g	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ	5 U	1.2 U	5 U	31 U	1.2 U	5 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NL	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 UJ	0.91 U	0.91 U	0.91 U	0.91 U	0.91 UJ	0.91 UJ	3.6 U	0.91 U	3.6 U	23 U	0.91 U	3.6 U
Acetone	67-64-1	50 g	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**7.6**	1.3 U	5.4 U	34 U	**4.4**	5.4 U
Bromodichloromethane	75-27-4	50 g	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	1.5 U	0.39 U	1.5 U	9.6 UJ	0.39 U	1.5 U
Bromoform	75-25-2	50 g	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 UJ	1 U	0.26 U	1 U	6.4 UJ	0.26 U	1 U
Bromomethane	74-83-9	5 s	0.28 R	0.28 R	0.28 R	0.28 R	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 R	0.28 R	0.28 UJ	0.28 R	0.28 UJ	0.28 UJ	1.1 U	0.28 U	1.1 U	7 UJ	0.28 U	1.1 U
Carbon disulfide	75-15-0	60 g	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.78 U	0.19 U	0.78 U	4.8 U	0.19 U	0.78 U
Carbon Tetrachloride	56-23-5	5 s	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U	1.1 U	6.7 UJ	0.27 U	1.1 U
Chlorobenzene	108-90-7	5 s	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1.3 U	0.32 U	1.3 U	7.9 U	0.32 U	1.3 U
Chloroethane	75-00-3	5 s	0.32 UJ	0.32 UJ	0.32 UJ	0.32 UJ	0.32 U	0.32 U	0.32 U	0.32 U	0.32 UJ	0.32 UJ	0.32 U	0.32 UJ	0.32 U	0.32 U	1.3 U	0.32 U	1.3 U	8.1 U	0.32 U	1.3 U
Chloroform	67-66-3	7 s	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.3 U	0.34 U	1.3 U	8.4 U	0.34 U	1.3 U
Chloromethane	74-87-3	5 s	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	1.4 U	0.35 U	1.4 U	8.6 U	0.35 U	1.4 U
cis-1,2-Dichloroethene	156-59-2	5 s	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	1.5 U	0.38 U	1.5 U	9.6 U	0.38 U	1.5 U
cis-1,3-Dichloropropene	10061-01-5	0.4 s	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1.4 U	0.36 U	1.4 U	8.9 U	0.36 U	1.4 U
Cyclohexane	110-82-7	NL	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2.1 U	0.53 U	2.1 U	13 U	0.53 U	2.1 U
Chlorodibromomethane	124-48-1	50 g	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1.3 U	0.32 U	1.3 U	8.1 UJ	0.32 U	1.3 U
Dichlorodifluoromethane	75-71-8	5 s	0.29 U	0.29 U	0.29 U	0.29 U	0.29 UJ	0.29 UJ	0.29 UJ	0.29 UJ	0.29 U	0.29 U	0.29 UJ	0.29 U	0.29 UJ	0.29 UJ	1.1 U	0.29 U	1.1 U	7.1 U	0.29 U	1.1 U
Isopropylbenzene	98-82-8	5 s	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	**6.2**	0.19 U	0.19 U	0.19 U	0.77 U	**0.58**	0.77 U	**45**	0.19 U	**52**
Methyl Acetate	79-20-9	NL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	2 U	0.5 U	**33**	13 U	0.5 U	**2.4**
Methyl tert-Butyl Ether	1634-04-4	10 g	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.64 U	0.16 U	0.64 U	4 U	0.16 U	0.64 U
Methylcyclohexane	108-87-2	NL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	2 U	12 U	0.5 U	2 U
Methylene Chloride	75-09-2	5 s	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.8 U	0.44 U	1.8 U	11 U	0.44 U	1.8 U
Styrene	100-42-5	5 s	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.74 U	0.18 U	0.74 U	4.6 U	0.18 U	0.74 U
Tetrachloroethene	127-18-4	5 s	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1.5 U	0.36 U	1.5 U	9.1 U	0.36 U	1.5 U
trans-1,2-Dichloroethene	156-60-5	5 s	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	1.7 U	0.42 U	1.7 U	10 U	0.42 U	1.7 U
trans-1,3-Dichloropropene	10061-02-6	0.4 s	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	1.5 U	0.37 U	1.5 U	9.2 UJ	0.37 U	1.5 U
Trichloroethene	79-01-6	5 s	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1.8 U	0.46 U	1.8 U	11 U	0.46 U	1.8 U
Trichlorofluoromethane	75-69-4	5 s	0.15 U	0.15 U	0.15 U	0.15 U	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ	0.15 U	0.15 U	0.15 UJ	0.15 U	0.15 UJ	0.15 UJ	0.61 U	0.15 U	0.61 U	3.8 UJ	0.15 U	0.61 U
Vinyl chloride	75-01-4	2 s	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.97 U	0.24 U	0.97 U	6.1 U	0.24 U	0.97 U
Total VOCs (ug/L) (Note 2)	NA	NL	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	**18.37**	-- U	-- U	-- U	**7.6**	**13.88**	-- U	**3017**	**4.4**	**2398.4**

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
R = The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.
ug/L = micrograms per liter
Bold value - compound detected at concentration greater than the reporting limit
Yellow Shading = Compound detected at a concentration greater than the standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total VOCs includes BTEX compounds.

Table 6-4
Groundwater SVOC and Cyanide Results
Ithaca Court Street Former MGP Site - OU2

Location ID	CAS #	NYSDEC Groundwater Guidance or Standard Value (Note 1)	MW-11S	MW-11S DUP	MW-11D	MW-12S	MW-14S	MW-14D	MW-17S	MW-17D	MW-20S	MW-20D	MW-21S	MW-21D	MW-22S	MW-22D	MW-23S	MW-23D	MW-24S	MW-24D	MW-25S	MW-27
Area Location			Area 1	Area 1	Area 1	Area 1	Area 1	Area 1	Area 2	Area 2	Area 1	Area 1	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 1	Area 1	Area 1	Area 1
Sample Date			RTC0772-06	RTC0772-07	RTC0772-05	RTC0843-01	RTC0772-12	RTC0772-13	RTC0772-09	RTC0772-08	RTC0843-06	RTC0843-03	RTC0772-02	RTC0772-01	RTC0771-02	RTC0771-01	RTC0771-04	RTC0771-03	RTC0843-10	RTC0843-11	RTC0843-02	RTC0843-09
Lab Sample ID			3/9/2010	3/9/2010	3/9/2010	3/10/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/10/2010	3/10/2010	3/9/2010	3/9/2010	3/8/2010	3/8/2010	3/8/2010	3/8/2010	3/10/2010	3/10/2010	3/10/2010	3/10/2010
PAH Compounds (ug/L)																						
2-Methylnaphthalene	91-57-6	NL	0.58 U	0.58 U	0.57 U	0.57 U	0.58 U	0.58 U	0.58 U	0.58 U	0.57 U	0.57 U	0.58 U	0.58 U	0.58 U	0.57 U	0.58 U	0.57 U	0.58 U	0.59 U	0.57 U	0.58 U
Acenaphthene	83-32-9	20 g	**82**	**82**	0.39 U	0.39 U	0.39 U	0.39 U	0.4 U	0.4 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	**4.8**	0.39 U	0.4 U	0.41 U	0.39 U	0.4 U
Acenaphthylene	208-96-8	NL	**22**	**22**	0.36 U	0.36 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.36 U	0.37 U	0.37 U	0.37 U	0.36 U	0.37 U	0.36 U	0.37 U	0.38 U	0.36 U	0.37 U
Anthracene	120-12-7	50 g	**0.35 J**	**0.37 J**	0.27 U	0.26 U	0.27 U	0.27 U	0.27 U	0.27 U	0.26 U	0.26 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.28 U	0.26 U	0.27 U
Benzo[a]anthracene	56-55-3	0.002 g	0.35 U	0.35 U	0.34 U	0.34 U	0.35 U	0.35 U	0.35 U	0.35 U	0.34 U	0.34 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U	0.35 U	0.36 U	0.34 U	0.35 U
Benzo[a]pyrene	50-32-8	ND	0.45 U	0.45 U	0.45 U	0.44 U	0.45 U	0.45 U	0.46 U	0.46 U	0.44 U	0.44 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.46 U	0.47 U	0.44 U	0.46 U
Benzo[b]fluoranthene	205-99-2	0.002 g	0.33 U	0.33 U	0.32 U	0.32 U	0.33 U	0.33 U	0.33 U	0.33 U	0.32 U	0.32 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.32 U	0.33 U	0.34 U	0.32 U	0.33 U
Benzo[g,h,i]perylene	191-24-2	NL	0.34 U	0.34 U	0.33 U	0.33 U	0.34 U	0.34 U	0.34 U	0.34 U	0.33 U	0.33 U	0.34 U	0.34 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.35 U	0.33 U	0.34 U
Benzo[k]fluoranthene	207-08-9	0.002 g	0.7 U	0.7 U	0.7 U	0.69 U	0.7 U	0.7 U	0.71 U	0.71 U	0.69 U	0.69 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.71 U	0.72 U	0.69 U	0.71 U
Chrysene	218-01-9	0.002 g	0.32 U	0.32 U	0.31 U	0.31 U	0.32 U	0.32 U	0.32 U	0.32 U	0.31 U	0.31 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.31 U	0.32 U	0.33 U	0.31 U	0.32 U
Dibenz[a,h]anthracene	53-70-3	NL	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.41 U	0.41 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.41 U	0.42 U	0.4 U	0.41 U
Fluoranthene	206-44-0	50 g	**3.5 J**	**3.5 J**	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.4 U	0.38 U	0.39 U
Fluorene	86-73-7	50 g	**30**	**31**	0.34 U	0.34 U	0.35 U	0.35 U	0.35 U	0.35 U	0.34 U	0.34 U	0.35 U	0.35 U	0.35 U	0.34 U	**1 J**	0.34 U	0.35 U	0.36 U	0.34 U	0.35 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002 g	0.45 U	0.45 U	0.45 U	0.44 U	0.45 U	0.45 U	0.46 U	0.46 U	0.44 U	0.44 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.46 U	0.47 U	0.44 U	0.46 U
Naphthalene	91-20-3	10 g	**1.6 J**	**1.5 J**	0.72 U	0.72 U	0.73 U	0.73 U	0.74 U	0.74 U	0.72 U	0.72 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.72 U	0.74 U	0.75 U	0.72 U	0.74 U
Phenanthrene	85-01-8	50 g	**0.77 J**	**0.73 J**	0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.43 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	**0.68 J**	0.42 U	0.43 U	0.44 U	0.42 U	0.43 U
Pyrene	129-00-0	50 g	**4.6 J**	**4.8**	0.32 U	0.32 U	0.33 U	0.33 U	0.33 U	0.33 U	0.32 U	0.32 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.32 U	0.33 U	0.34 U	0.32 U	0.33 U
Total PAHs (ug/L)	NA	NL	**144.82**	**145.9**	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	**6.48**	-- U	-- U	-- U	-- U	-- U
Other SVOCs (ug/L)																						
1,1'-Biphenyl	92-52-4	5 s	0.63 U	0.63 U	0.62 U	0.62 U	0.63 U	0.63 U	0.63 U	0.63 U	0.62 U	0.62 U	0.63 U	0.63 U	0.63 U	0.62 U	0.63 U	0.62 U	0.63 U	0.65 U	0.62 U	0.63 U
2,2'-oxybis(1-Chloropropane)	111-44-4	NL	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.4 U	0.38 U	0.39 U
2,4,5-Trichlorophenol	95-95-4	NL	0.46 U	0.46 U	0.46 U	0.45 U	0.46 U	0.46 U	0.47 U	0.47 U	0.45 U	0.45 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.47 U	0.48 U	0.45 U	0.47 U
2,4,6-Trichlorophenol	88-06-2	NL	0.59 U	0.59 U	0.58 U	0.58 U	0.59 U	0.59 U	0.59 U	0.59 U	0.58 U	0.58 U	0.59 U	0.59 U	0.59 U	0.58 U	0.59 U	0.58 U	0.59 U	0.6 U	0.58 U	0.59 U
2,4-Dichlorophenol	120-83-2	5 s	0.49 U	0.49 U	0.49 U	0.48 U	0.49 U	0.49 U	0.5 U	0.5 U	0.48 U	0.48 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.5 U	0.5 U	0.48 U	0.5 U
2,4-Dimethylphenol	105-67-9	50 g	0.48 U	0.48 U	0.48 U	0.47 U	0.48 U	0.48 U	0.49 U	0.49 U	0.47 U	0.47 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.49 U	0.5 U	0.47 U	0.49 U
2,4-Dinitrophenol	51-28-5	10 g	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	2.1 UJ	2.1 UJ	2.2 UJ	2.2 UJ	2.1 U	2.1 U	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.2 U
2,4-Dinitrotoluene	121-14-2	5 s	0.43 U	0.43 U	0.43 U	0.42 U	0.43 U	0.43 U	0.43 U	0.43 U	0.42 U	0.42 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.44 U	0.42 U	0.43 U
2,6-Dinitrotoluene	606-20-2	5 s	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.4 U	0.38 U	0.39 U
2-Chloronaphthalene	91-58-7	10 g	0.44 U	0.44 U	0.44 U	0.43 U	0.44 U	0.44 U	0.45 U	0.45 U	0.43 U	0.43 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.45 U	0.46 U	0.43 U	0.45 U
2-Chlorophenol	95-57-8	NL	0.51 U	0.51 U	0.5 U	0.5 U	0.51 U	0.51 U	0.51 U	0.51 U	0.5 U	0.5 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.5 U	0.51 U	0.52 U	0.5 U	0.51 U
2-Methylphenol	95-48-7	NL	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.4 U	0.38 U	0.39 U
2-Nitroaniline	88-74-4	5 s	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.41 U	0.41 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.41 U	0.42 U	0.4 U	0.41 U
2-Nitrophenol	88-75-5	NL	0.46 U	0.46 U	0.46 U	0.45 U	0.46 U	0.46 U	0.47 U	0.47 U	0.45 U	0.45 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.47 U	0.48 U	0.45 U	0.47 U
3,3'-Dichlorobenzidine	91-94-1	5 s	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.39 U	0.4 U	0.38 U	0.39 U
3-Nitroaniline	99-09-2	5 s	0.46 U	0.46 U	0.46 U	0.45 U	0.46 U	0.46 U	0.47 U	0.47 U	0.45 U	0.45 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.47 U	0.48 U	0.45 U	0.47 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
4-Bromophenyl phenyl ether	101-55-3	NL	0.43 U	0.43 U	0.43 U	0.42 U	0.43 U	0.43 U	0.44 U	0.44 U	0.42 U	0.42 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.44 U	0.45 U	0.42 U	0.44 U
4-Chloro-3-methylphenol	59-50-7	NL	0.43 U	0.43 U	0.43 U	0.42 U	0.43 U	0.43 U	0.44 U	0.44 U	0.42 U	0.42 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.44 U	0.45 U	0.42 U	0.44 U
4-Chloroaniline	106-47-8	5 s	0.57 U	0.57 U	0.56 U	0.56 U	0.57 U	0.57 U	0.57 U	0.57 U	0.56 U	0.56 U	0.57 U	0.57 U	0.57 U	0.56 U	0.57 U	0.56 U	0.57 U	0.58 U	0.56 U	0.57 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	0.34 U	0.34 U	0.33 U	0.33 U	0.34 U	0.34 U	0.34 U	0.34 U	0.33 U	0.33 U	0.34 U	0.34 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.35 U	0.33 U	0.34 U
4-Methylphenol	106-44-5	NL	0.35 U	0.35 U	0.34 U	0.34 U	0.35 U	0.35 U	0.35 U	0.35 U	0.34 U	0.34 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U	0.35 U	0.36 U	0.34 U	0.35 U
4-Nitroaniline	100-01-6	5 s	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.25 U	0.24 U	0.24 U
4-Nitrophenol	100-02-7	NL	1.5 U	1.5 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.4 U	1.5 U
Acetophenone	98-86-2	NL	**0.92 J**	**1.1 J**	0.51 U	0.51 U	0.52 U	0.52 U	0.52 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.51 U	0.52 U	0.53 U	0.51 U	0.52 U
Atrazine	1912-24-9	7.5 s	0.44 U	0.44 U	0.44 U	0.43 U	0.44 U	0.44 U	0.45 U	0.45 U	0.43 U	0.43 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.45 U	0.46 UJ	0.43 U	0.45 U
Benzaldehyde	100-52-7	NL	0.26 U	0.26 U	0.25 U	0.25 U	0.26 U	0.26 U	0.26 U	0.26 U	0.25 U	0.25 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.25 U	0.26 U	0.26 U	0.25 U	0.26 U
Bis(2-chloroethoxy)methane	111-91-1	5 s	0.34 U	0.34 U	0.33 U	0.33 U	0.34 U	0.34 U	0.34 U	0.34 U	0.33 U	0.33 U	0.34 U	0.34 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.35 U	0.33 U	0.34 U
Bis(2-chloroisopropyl) ether	108-60-1	1 s	0.5 UJ	0.5 UJ	0.5 UJ	0.49 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.49 U	0.49 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.51 U	0.49 U	0.5 U
Bis(2-ethylhexyl) phthalate	117-81-7	5 s	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**1.8 J**	1.7 U	1.8 U	1.7 U	1.7 U
Butyl benzyl phthalate	85-68-7	50 g	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.41 U	0.41 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.41 U	0.42 U	0.4 U	0.41 U
Caprolactam	105-60-2	NL	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**7.3**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 UJ	2.1 U	2.1 U
Carbazole	86-74-8	NL	0.29 U	0.29 U	0.29 U	0.28 U	0.29 U	0.29 U	0.29 U	0.29 U	0.28 U	0.28 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.3 U	0.28 U	0.29 U
Dibenzofuran	132-64-9	NL	0.49 U	0.49 U	0.49 U	0.48 U	0.49 U	0.49 U	0.5 U	0.5 U	0.48 U	0.48 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.5 U	0.5 U	0.48 U	0.5 U
Diethyl phthalate	84-66-2	50 g	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U
Dimethyl phthalate	131-11-3	50 g	0.35 U	0.35 U	0.34 U	0.34 U	0.35 U	0.35 U	0.35 U	0.35 U	0.34 U	0.34 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U	0.35 U	0.36 U	0.34 U	0.35 U
Di-n-butyl phthalate	84-74-2	50 s	0.3 U	0.3 U	0.3 U	0.29 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U	0.3 U	**0.43 J**	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	**0.31 J**	0.29 U	0.3 U
Di-n-octyl phthalate	117-84-0	NL	0.45 U	0.45 U	0.45 U	0.44 U	0.45 U	0.45 U	0.46 U	0.46 U	0.44 U	0.44 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.46 U	0.47 U	0.44 U	0.46 U
Hexachlorobenzene	118-74-1	0.4 s	0.49 U	0.49 U	0.49 U	0.48 U	0.49 U	0.49 U	0.5 U	0.5 U	0.48 U	0.48 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.5 U	0.5 U	0.48 U	0.5 U
Hexachlorobutadiene	87-68-3	0.5 s	0.65 U	0.65 U	0.65 U	0.64 U	0.65 U	0.65 U	0.66 U	0.66 U	0.64 U	0.64 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.66 U	0.67 U	0.64 U	0.66 U
Hexachlorocyclopentadiene	77-47-4	5 s	0.57 U	0.57 U	0.56 U	0.56 U	0.57 U	0.57 U	0.57 U	0.57 U	0.56 U	0.56 U	0.57 U	0.57 U	0.57 U	0.56 U	0.57 U	0.56 U	0.57 U	0.58 U	0.56 U	0.57 U
Hexachloroethane	67-72-1	5 s	0.57 U	0.57 U	0.56 U	0.56 U	0.57 U	0.57 U	0.57 U	0.57 U	0.56 U	0.56 U	0.57 U	0.57 U	0.57 U	0.56 U	0.57 U	0.56 U	0.57 U	0.58 U	0.56 U	0.57 U
Isophorone	78-59-1	50 g	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.42 U	0.42 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.42 U	0.43 U	0.41 U	0.42 U
Nitrobenzene	98-95-3	0.4	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.29 U	0.27 U	0.28 U
N-Nitrosodi-n-propylamine	621-64-7	50 g	0.52 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U	0.52 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.51 U	0.52 U	0.53 U	0.51 U	0.52 U
N-Nitrosodiphenylamine	86-30-6	50 g	0.49 U	0.49 U	0.49 U	0.48 U	0.49 U	0.49 U	0.5 U	0.5 U	0.48 U	0.48 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.5 U	0.5 U	0.48 U	0.5 U
Pentachlorophenol	87-86-5	1 s	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Phenol	108-95-2	1 s	0.38 U	0.38 U	0.37 U	0.37 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.37 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.39 U	0.37 U	0.38 U
Total SVOCs (ug/L) (Note 2)	NA	NL	**145.74**	**147**	-- U	-- U	-- U	-- U	**7.3**	-- U	-- U	-- U	-- U	**0.43**	-- U	-- U	**6.48**	**1.8**	-- U	**0.31**	-- U	-- U
Cyanide (ug/L)	57-12-5	200 s	**24.4**	**38.4**	5 U	5 U	**14.5**	5 U	**13.4**	5 U	5 U	5 U	5 U	**180**	**384**	5 U	5 U	5 U	**14.3**	5 U	**18.9**	5 U

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
ug/L = micrograms per liter
Bold value - compound detected at concentration greater than the reporting limit
Yellow Shading = Compound detected at a concentration greater than the standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total SVOCs includes PAH compounds.

Table 6-4
Groundwater SVOC and Cyanide Results
Ithaca Court Street Former MGP Site - OU2

Location ID	CAS #	NYSDEC Groundwater Guidance or Standard Value (Note 1)	MW-29S	MW-30S	MW-31S	MW-32S	MW-33S	MW-33S DUP-1	MW-35S	MW-36	MW-37	MW-38	MW-39	MW-40	MW-41S	MW-42	MW-43S	MW-44S	MW-45S	MW-46S	MW-47S	MW-48S
Area Location			Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 1	Area 1	Area 1	Area 1	Area 2	Area 2	Area 2	Area 2
Sample Date			RTC0771-05	RTC0771-10	RTC0771-09	RTC0771-11	RTC0772-10	RTC0772-11	RTC0772-03	RTC0843-15	RTC0771-06	RTC0771-08	RTC0772-04	RTC0771-07	RTC0843-08	RTC0843-14	RTC0892-01	RTC0892-04	RTC0892-02	RTC0843-07	RTC0892-03	RTC0892-05
Lab Sample ID			3/8/2010	3/8/2010	3/8/2010	3/8/2010	3/9/2010	3/9/2010	3/9/2010	3/10/2010	3/8/2010	3/8/2010	3/9/2010	3/8/2010	3/10/2010	3/10/2010	3/11/2010	3/11/2010	3/11/2010	3/10/2010	3/11/2010	3/11/2010
PAH Compounds (ug/L)																						
2-Methylnaphthalene	91-57-6	NL	0.57 U	0.59 U	0.61 U	0.58 U	0.58 U	0.59 U	0.57 U	0.58 U	0.57 U	0.59 U	0.57 U	0.58 U	0.57 U	0.58 U	0.58 U	0.57 U	0.59 U	**150**	0.58 U	**140**
Acenaphthene	83-32-9	20 g	0.39 U	0.4 U	0.41 U	0.4 U	0.4 U	0.41 U	0.39 U	0.39 U	0.39 U	0.4 U	**51**	0.4 U	**6.6**	0.4 U	0.4 U	**14**	0.4 U	**51**	**1.6 J**	**76**
Acenaphthylene	208-96-8	NL	0.36 U	0.37 U	0.38 U	0.37 U	0.37 U	0.38 U	0.36 U	0.37 U	0.36 U	0.37 U	**0.6 J**	0.37 U	**3.9 J**	0.37 U	0.37 U	0.36 U	0.37 U	**6**	0.37 U	**25**
Anthracene	120-12-7	50 g	0.26 U	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	**0.58 J**	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	**2.5 J**	0.27 U	**4.2 J**
Benzo[a]anthracene	56-55-3	0.002 g	0.34 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.34 U	0.35 U	0.34 U	0.35 U	0.34 U	0.35 U	0.34 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U	0.35 U	0.35 U
Benzo[a]pyrene	50-32-8	ND	0.44 U	0.46 U	0.47 U	0.45 U	0.46 U	0.47 U	0.45 U	0.45 U	0.45 U	0.46 U	0.45 U	0.46 U	0.45 U	0.46 U	0.46 U	0.45 U	0.46 U	0.44 U	0.46 U	0.45 U
Benzo[b]fluoranthene	205-99-2	0.002 g	0.32 U	0.33 U	0.34 U	0.33 U	0.33 U	0.34 U	0.32 U	0.33 U	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U	0.33 U	0.33 U
Benzo[g,h,i]perylene	191-24-2	NL	0.33 U	0.34 U	0.35 U	0.34 U	0.34 U	0.35 U	0.33 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.34 U
Benzo[k]fluoranthene	207-08-9	0.002 g	0.69 U	0.71 U	0.74 U	0.71 U	0.71 U	0.72 U	0.7 U	0.7 U	0.7 U	0.72 U	0.7 U	0.71 U	0.7 U	0.71 U	0.71 U	0.7 U	0.72 U	0.69 U	0.71 U	0.7 U
Chrysene	218-01-9	0.002 g	0.31 U	0.32 U	0.33 U	0.32 U	0.32 U	0.33 U	0.31 U	0.32 U	0.32 U	0.32 U	0.31 U	0.32 U	0.31 U	0.32 U	0.32 U	0.31 U	0.32 U	0.31 U	0.32 U	0.32 U
Dibenz[a,h]anthracene	53-70-3	NL	0.4 U	0.41 U	0.42 U	0.41 U	0.41 U	0.42 U	0.4 U	0.4 U	0.4 U	0.41 U	0.4 U	0.41 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.41 U	0.4 U
Fluoranthene	206-44-0	50 g	0.38 U	0.39 U	0.4 U	0.39 U	0.39 U	0.4 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	**0.72 J**	0.39 U	**0.89 J**
Fluorene	86-73-7	50 g	0.34 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.34 U	0.35 U	0.34 U	0.35 U	**9.2**	0.35 U	**1.3 J**	0.35 U	0.35 U	0.34 U	0.35 U	**14**	0.35 U	**18**
Indeno[1,2,3-cd]pyrene	193-39-5	0.002 g	0.44 U	0.46 U	0.47 U	0.45 U	0.46 U	0.47 U	0.45 U	0.45 U	0.45 U	0.46 U	0.45 U	0.46 U	0.45 U	0.46 U	0.46 U	0.45 U	0.46 U	0.44 U	0.46 U	0.45 U
Naphthalene	91-20-3	10 g	0.72 U	0.74 U	0.77 U	0.73 U	0.74 U	0.75 U	0.72 U	0.73 U	0.73 U	0.75 U	**15**	0.74 U	0.72 U	0.74 U	0.74 U	**4.6 J**	0.75 U	**1500**	**1.9 J**	**1200**
Phenanthrene	85-01-8	50 g	0.42 U	0.43 U	0.44 U	0.43 U	0.43 U	0.44 U	0.42 U	0.42 U	0.42 U	0.43 U	**1.8 J**	0.43 U	0.42 U	0.43 U	0.43 U	0.42 U	0.43 U	**11**	0.43 U	**19**
Pyrene	129-00-0	50 g	0.32 U	0.33 U	0.34 U	0.33 U	0.33 U	0.34 U	0.32 U	0.33 U	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U	0.33 U	0.33 U	0.32 U	0.33 U	**0.81 J**	0.33 U	**1.1 J**
Total PAHs (ug/L)	NA	NL	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	-- U	**78.18**	-- U	**11.8**	-- U	-- U	**18.6**	-- U	**1736.03**	**3.5**	**1484.19**
Other SVOCs (ug/L)																						
1,1'-Biphenyl	92-52-4	5 s	0.62 U	0.64 U	0.66 U	0.63 U	0.63 U	0.65 U	0.62 U	0.63 U	0.62 U	0.64 U	**3.3 J**	0.63 U	0.62 U	0.63 U	0.63 U	0.62 U	0.64 U	**13**	0.63 U	**23**
2,2'-oxybis(1-Chloropropane)	111-44-4	NL	0.38 U	0.39 U	0.4 U	0.39 U	0.39 U	0.4 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U	0.38 U
2,4,5-Trichlorophenol	95-95-4	NL	0.45 U	0.47 U	0.48 U	0.46 U	0.47 U	0.48 U	0.46 U	0.46 U	0.46 U	0.47 U	0.46 U	0.47 U	0.46 U	0.47 U	0.47 U	0.46 U	0.47 U	0.45 U	0.47 U	0.46 U
2,4,6-Trichlorophenol	88-06-2	NL	0.58 U	0.6 U	0.62 U	0.59 U	0.59 U	0.6 U	0.58 U	0.59 U	0.58 U	0.6 U	0.58 U	0.59 U	0.58 U	0.59 U	0.59 U	0.58 U	0.6 U	0.58 U	0.59 U	0.59 U
2,4-Dichlorophenol	120-83-2	5 s	0.48 U	0.5 U	0.52 U	0.49 U	0.5 U	0.5 U	0.49 U	0.49 U	0.49 U	0.5 U	0.49 U	0.5 U	0.49 U	0.5 U	0.5 U	0.49 U	0.5 U	0.48 U	0.5 U	0.49 U
2,4-Dimethylphenol	105-67-9	50 g	0.47 U	0.49 U	0.51 U	0.48 U	0.49 U	0.5 U	0.48 U	0.48 U	0.48 U	0.49 U	0.48 U	0.49 U	0.48 U	0.49 U	0.49 U	0.48 U	0.49 U	0.47 U	0.49 U	0.48 U
2,4-Dinitrophenol	51-28-5	10 g	2.1 U	2.2 U	2.2 U	2.1 U	2.2 UJ	2.2 UJ	2.1 UJ	2.1 U	2.1 U	2.2 U	2.1 UJ	2.2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.2 U	2.1 U	2.2 U	2.1 U
2,4-Dinitrotoluene	121-14-2	5 s	0.42 U	0.44 U	0.45 U	0.43 U	0.43 U	0.44 U	0.43 U	0.43 U	0.43 U	0.44 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.44 U	0.42 U	0.43 U	0.43 U
2,6-Dinitrotoluene	606-20-2	5 s	0.38 U	0.39 U	0.4 U	0.39 U	0.39 U	0.4 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U	0.38 U
2-Chloronaphthalene	91-58-7	10 g	0.43 U	0.45 U	0.46 U	0.44 U	0.45 U	0.46 U	0.44 U	0.44 U	0.44 U	0.45 U	0.44 U	0.45 U	0.44 U	0.45 U	0.45 U	0.44 U	0.45 U	0.43 U	0.45 U	0.44 U
2-Chlorophenol	95-57-8	NL	0.5 U	0.52 U	0.54 U	0.51 U	0.51 U	0.52 U	0.5 U	0.51 U	0.51 U	0.52 U	0.5 U	0.51 U	0.5 U	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U	0.51 U	0.51 U
2-Methylphenol	95-48-7	NL	0.38 U	0.39 U	0.4 U	0.39 U	0.39 U	0.4 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U	0.38 U
2-Nitroaniline	88-74-4	5 s	0.4 U	0.41 U	0.42 U	0.41 U	0.41 U	0.42 U	0.4 U	0.4 U	0.4 U	0.41 U	0.4 U	0.41 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.41 U	0.4 U
2-Nitrophenol	88-75-5	NL	0.45 U	0.47 U	0.48 U	0.46 U	0.47 U	0.48 U	0.46 U	0.46 U	0.46 U	0.47 U	0.46 U	0.47 U	0.46 U	0.47 U	0.47 U	0.46 U	0.47 U	0.45 U	0.47 U	0.46 U
3,3'-Dichlorobenzidine	91-94-1	5 s	0.38 U	0.39 U	0.4 U	0.39 U	0.39 U	0.4 U	0.38 U	0.38 U	0.38 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U	0.38 U
3-Nitroaniline	99-09-2	5 s	0.45 U	0.47 U	0.48 U	0.46 U	0.47 U	0.48 U	0.46 U	0.46 U	0.46 U	0.47 U	0.46 U	0.47 U	0.46 U	0.47 U	0.47 U	0.46 U	0.47 U	0.45 U	0.47 U	0.46 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
4-Bromophenyl phenyl ether	101-55-3	NL	0.42 U	0.44 U	0.45 U	0.43 U	0.44 U	0.45 U	0.43 U	0.43 U	0.43 U	0.44 U	0.43 U	0.44 U	0.43 U	0.44 U	0.44 U	0.43 U	0.44 U	0.42 U	0.44 U	0.43 U
4-Chloro-3-methylphenol	59-50-7	NL	0.42 U	0.44 U	0.45 U	0.43 U	0.44 U	0.45 U	0.43 U	0.43 U	0.43 U	0.44 U	0.43 U	0.44 U	0.43 U	0.44 U	0.44 U	0.43 U	0.44 U	0.42 U	0.44 U	0.43 U
4-Chloroaniline	106-47-8	5 s	0.56 U	0.58 U	0.6 U	0.57 U	0.57 U	0.58 U	0.56 U	0.57 U	0.56 U	0.58 U	0.56 U	0.57 U	0.56 U	0.57 U	0.57 U	0.56 U	0.58 U	0.56 U	0.57 U	0.57 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	0.33 U	0.34 U	0.35 U	0.34 U	0.34 U	0.35 U	0.33 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.34 U
4-Methylphenol	106-44-5	NL	0.34 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.34 U	0.35 U	0.34 U	0.35 U	0.34 U	0.35 U	0.34 U	0.35 U	0.35 U	0.34 U	0.35 U	**0.78 J**	**0.98 J**	0.35 U
4-Nitroaniline	100-01-6	5 s	0.24 U	0.24 U	0.25 U	0.24 U	0.24 U	0.25 U	0.24 U	0.24 U	0.24 U	0.25 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.25 U	0.24 U	0.24 U	0.24 U
4-Nitrophenol	100-02-7	NL	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U
Acetophenone	98-86-2	NL	0.51 U	0.53 U	0.55 U	0.52 U	0.52 U	0.53 U	0.51 U	0.52 U	0.52 U	0.53 U	0.51 U	0.52 U	0.51 U	0.52 U	0.52 U	**1.1 J**	**0.62 J**	**1.7 J**	0.52 U	0.52 U
Atrazine	1912-24-9	7.5 s	0.43 U	0.45 U	0.46 U	0.44 U	0.45 U	0.46 U	0.44 U	0.44 U	0.44 U	0.45 U	0.44 U	0.45 U	0.44 U	0.45 U	0.45 U	0.44 U	0.45 U	0.43 U	0.45 U	0.44 U
Benzaldehyde	100-52-7	NL	0.25 U	0.26 U	0.27 U	0.26 U	0.26 U	0.26 U	0.25 U	0.26 U	0.26 U	0.26 U	0.25 U	0.26 U	0.25 U	0.26 U	0.26 U	0.25 U	0.26 U	0.25 U	0.26 U	0.26 U
Bis(2-chloroethoxy)methane	111-91-1	5 s	0.33 U	0.34 U	0.35 U	0.34 U	0.34 U	0.35 U	0.33 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.34 U
Bis(2-chloroisopropyl) ether	108-60-1	1 s	0.49 U	0.51 U	0.53 U	0.5 U	0.5 UJ	0.51 UJ	0.5 UJ	0.5 U	0.5 U	0.51 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.51 U	0.49 U	0.5 U	0.5 U
Bis(2-ethylhexyl) phthalate	117-81-7	5 s	1.7 U	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U
Butyl benzyl phthalate	85-68-7	50 g	0.4 U	0.41 U	0.42 U	0.41 U	0.41 U	0.42 U	0.4 U	0.4 U	0.4 U	0.41 U	0.4 U	0.41 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.41 U	0.4 U
Caprolactam	105-60-2	NL	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**8**	2.1 U	2.1 U
Carbazole	86-74-8	NL	0.28 U	0.29 U	0.3 U	0.29 U	0.29 U	0.3 U	0.29 U	0.29 U	0.29 U	0.29 U	**11**	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	**1.2 J**	0.29 U	**1.8 J**
Dibenzofuran	132-64-9	NL	0.48 U	0.5 U	0.52 U	0.49 U	0.5 U	0.5 U	0.49 U	0.49 U	0.49 U	0.5 U	**4.5 J**	0.5 U	0.49 U	0.5 U	0.5 U	0.49 U	0.5 U	**1.7 J**	0.5 U	**2.8 J**
Diethyl phthalate	84-66-2	50 g	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.22 J	0.21 U	0.21 U
Dimethyl phthalate	131-11-3	50 g	0.34 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.34 U	0.35 U	0.34 U	0.35 U	0.34 U	0.35 U	0.34 U	0.35 U	0.35 U	0.34 U	**5.6**	0.34 U	0.35 U	0.35 U
Di-n-butyl phthalate	84-74-2	50 s	0.29 U	**0.45 J**	0.31 U	**0.36 J**	0.3 U	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	**0.49 J**	0.3 U	0.3 U	0.3 U	**11**	**0.6 J**	0.3 U	0.3 U
Di-n-octyl phthalate	117-84-0	NL	0.44 U	0.46 U	0.47 U	0.45 U	0.46 U	0.47 U	0.45 U	0.45 U	0.45 U	0.46 U	0.45 U	0.46 U	0.45 U	0.46 U	0.46 U	0.45 U	0.46 U	0.44 U	0.46 U	0.45 U
Hexachlorobenzene	118-74-1	0.4 s	0.48 U	0.5 U	0.52 U	0.49 U	0.5 U	0.5 U	0.49 U	0.49 U	0.49 U	0.5 U	0.49 U	0.5 U	0.49 U	0.5 U	0.5 U	0.49 U	0.5 U	0.48 U	0.5 U	0.49 U
Hexachlorobutadiene	87-68-3	0.5 s	0.64 U	0.66 U	0.69 U	0.66 U	0.66 U	0.67 U	0.65 U	0.65 U	0.65 U	0.67 U	0.65 U	0.66 U	0.65 U	0.66 U	0.66 U	0.65 U	0.67 U	0.64 U	0.66 U	0.65 U
Hexachlorocyclopentadiene	77-47-4	5 s	0.56 U	0.58 U	0.6 U	0.57 U	0.57 U	0.58 U	0.56 U	0.57 U	0.56 U	0.58 U	0.56 U	0.57 U	0.56 U	0.57 U	0.57 U	0.56 U	0.58 U	0.56 U	0.57 U	0.57 U
Hexachloroethane	67-72-1	5 s	0.56 U	0.58 U	0.6 U	0.57 U	0.57 U	0.58 U	0.56 U	0.57 U	0.56 U	0.58 U	0.56 U	0.57 U	0.56 U	0.57 U	0.57 U	0.56 U	0.58 U	0.56 U	0.57 U	0.57 U
Isophorone	78-59-1	50 g	0.41 U	0.42 U	0.43 U	0.42 U	0.42 U	0.43 U	0.41 U	0.41 U	0.41 U	0.42 U	0.41 U	0.42 U	0.41 U	0.42 U	0.42 U	0.41 U	0.42 U	0.41 U	0.42 U	0.41 U
Nitrobenzene	98-95-3	0.4	0.27 U	0.28 U	0.29 U	0.28 U	0.28 U	0.29 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U
N-Nitrosodi-n-propylamine	621-64-7	50 g	0.51 U	0.53 U	0.55 U	0.52 U	0.52 U	0.53 U	0.51 U	0.52 U	0.52 U	0.53 U	0.51 U	0.52 U	0.51 U	0.52 U	0.52 U	0.51 U	0.53 U	0.51 U	0.52 U	0.52 U
N-Nitrosodiphenylamine	86-30-6	50 g	0.48 U	0.5 U	0.52 U	0.49 U	0.5 U	0.5 U	0.49 U	0.49 U	0.49 U	0.5 U	0.49 U	0.5 U	0.49 U	0.5 U	0.5 U	0.49 U	0.5 U	0.48 U	0.5 U	0.49 U
Pentachlorophenol	87-86-5	1 s	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
Phenol	108-95-2	1 s	0.37 U	0.38 U	0.39 U	0.38 U	0.38 U	0.39 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	**2.3 J**	0.38 U	0.38 U
Total SVOCs (ug/L) (Note 2)	NA	NL	-- U	**0.45**	-- U	**0.36**	-- U	-- U	-- U	-- U	-- U	-- U	**96.98**	-- U	**12.29**	-- U	-- U	**19.7**	**26**	**1757.51**	**3.5**	**1511.79**
Cyanide (mg/L)	57-12-5		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	**23.4**	5 U	5 U	5 U	**25.2**	**77**	**16.4**	5 U	5 U	5 U

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
ug/L = micrograms per liter
Bold value - compound detected at concentration greater than the reporting limit
Yellow Shading = Compound detected at a concentration greater than the standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total SVOCs includes PAH compounds.

Table 6-5
SVI Evaluation Results
Ithaca Court Street Former MGP Site - OU2

Type of Sample Sample ID Laboratory ID Sampling Date	CAS Number	Soil Vapor SV 320 WASHINGTON H9C250199-002 3/21/2009		Indoor Air IA 320 WASHINGTON H9C250199-004 3/21/2009		Indoor Air IA 320 WASHINGTON H9C250199-005 DUPLICATE		Outdoor (Upwind) AMB N. 320 WASHINGTON H9C250199-003 3/21/2009		Outdoor (Downwind) AMB S. 320 WASHINGTON H9C250199-001 3/21/2009		Soil Vapor SV 321 N.FULTON H9C230112-002 3/17/2009		Indoor Air IA 321 N.FULTON H9C230112-008 3/17/2009		Indoor Air IA 328 N.MEADOW H9C230112-012 3/19/2009		Outdoor (Upwind) AMB 328 N.MEADOW H9C230112-014 3/19/2009		Soil Vapor SV 709 W.COURT H9C230112-005 3/17/2009		Indoor Air IA 709 W.COURT H9C230112-009 3/17/2009		Indoor Air IA 715 W.COURT H9C230112-006 3/17/2009		NYSDOH Background Indoor Air Values[1] 75th Percentile
Compound (ug/m^3)																												
1,1,1-Trichloroethane (1,1,1-TCA)	71-55-6	0.44	UJ	**0.095**	J	**0.087**	J	0.44	U	0.44	U	**0.49**		**0.18**	J	0.44	U	0.44	UJ	**0.35**	J	0.44	U	**1.1**		1.1
1,1,2,2-Tetrachloroethane	79-34-5	0.55	UJ	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	UJ	0.55	U	0.55	U	0.55	U	<0.25
1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	**0.46**	J	**0.59**	J	**0.50**	J	**0.53**	J	**0.52**	J	**0.59**	J	**0.52**	J	**0.55**	J	**0.51**	J	**0.57**	J	**0.55**	J	**0.58**	J	1.1
1,1,2-Trichloroethane	79-00-5	0.44	UJ	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	UJ	0.44	U	0.44	U	0.44	U	<0.25
1,1-Dichloroethane	75-34-3	0.32	UJ	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	UJ	0.32	U	0.32	U	0.32	U	<0.25
1,1-Dichloroethene	75-35-4	0.32	UJ	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	UJ	0.32	U	0.32	U	0.32	U	<0.25
1,2,3-Trimethylbenzene	526-73-8	0.39	UJ	**0.40**		0.39	U	0.39	U	0.39	U	0.39	U	**1.3**		0.39	U	0.39	UJ	**0.65**		**4.4**		**1.1**		1.1
1,2,4-Trichlorobenzene	120-82-1	3.0	UJ	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	UJ	3.0	U	3.0	U	3.0	U	<0.25
1,2,4-Trimethylbenzene	95-63-6	**0.56**	J	**1.2**		**0.74**		**0.17**	J	**0.15**	J	**0.21**	J	**3.8**		0.39	U	**0.61**	J	**0.61**		**2.0**		**1.2**		4.3
1,2-Dibromoethane (EDB)	106-93-4	0.61	UJ	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	UJ	0.61	U	0.61	U	0.61	U	<0.25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	**0.12**	J	**0.12**	J	**0.11**	J	**0.10**	J	**0.11**	J	0.56	U	**0.099**	J	**0.11**	J	0.56	UJ	**0.14**	J	0.56	U	**0.10**	J	<0.25
1,2-Dichlorobenzene	95-50-1	0.48	UJ	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	UJ	0.48	U	0.48	U	0.48	U	<0.25
1,2-Dichloroethane	107-06-2	0.32	UJ	0.32	U	**0.086**	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	**0.082**	J	**0.19**	J	**1.1**		0.32	U	<0.25
1,2-Dichloropropane	78-87-5	0.37	UJ	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	UJ	0.37	U	0.37	U	0.37	U	<0.25
1,2,3,4-Tetramethylbenzene	488-23-3	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		
1,2,3,5-Tetramethylbenzene	527-53-7	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		
1,3,5-Trimethylbenzene	108-67-8	**0.17**	J	**0.33**	J	**0.28**	J	0.39	U	0.39	U	0.39	U	**1.2**		0.39	U	**0.20**	J	**0.34**	J	**1.1**		**0.61**		1.7
1,3-Butadiene	106-99-0	0.35	UJ	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	UJ	0.35	U	0.35	U	0.35	U	NL
1,3-Dichlorobenzene	541-73-1	0.48	UJ	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	UJ	0.48	U	0.48	U	0.48	U	<0.25
1,4-Dichlorobenzene	106-46-7	0.48	UJ	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	**0.96**		0.48	UJ	0.48	U	0.48	U	0.48	U	0.54
1-Methylnaphthalene	90-12-0	5.8	UJ	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	UJ	5.8	U	5.8	U	5.8	U	NL
2,2,4-Trimethylpentane	540-84-1	**0.22**	J	**1.3**		**1.3**		**0.29**	J	**0.27**	J	**0.16**	J	**1.7**		**0.46**	J	**0.66**	J	**0.21**	J	**0.81**	J	**0.84**	J	NL
Isopentane	78-78-4	**2.5**	J	**15**		**12**		**1.5**		**1.6**		**1.4**		**6.7**		**2.7**		**2.9**	J	**8.7**		**9.7**		**8.3**		NL
2-Methylnaphthalene	91-57-6	5.8	UJ	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	UJ	5.8	U	5.8	U	5.8	U	NL
3-Chloropropene	107-05-1	0.25	UJ	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	UJ	0.25	U	0.25	U	0.25	U	NL
alpha-Methylstyrene	98-83-9	0.77	UJ	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	UJ	0.77	U	0.77	U	0.77	U	NL
Benzene	71-43-2	**0.70**	J	**3.0**		**3.1**		**0.88**		**0.93**		**0.25**	J	**2.0**		**0.88**		**1.1**	J	**0.67**		**1.5**		**1.8**		5.9
Benzyl chloride	100-44-7	0.83	UJ	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	UJ	0.83	U	0.83	U	0.83	U	NL
Bromodichloromethane	75-27-4	0.54	UJ	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	UJ	0.54	U	0.54	U	0.54	U	NL
Bromoform	75-25-2	0.83	UJ	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	UJ	0.83	U	0.83	U	0.83	U	NL
Bromomethane	74-83-9	0.31	UJ	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	UJ	0.31	U	**0.16**	J	0.31	U	<0.25
Carbon disulfide	75-15-0	**0.40**	J	0.62	U	**0.057**	J	0.62	U	0.62	U	**24**		0.62	U	0.62	U	0.62	UJ	**81**		0.62	U	0.62	U	NL
Carbon tetrachloride	56-23-5	0.50	UJ	**0.52**		**0.67**		**0.44**	J	**0.42**	J	**0.24**	J	**0.49**	J	**0.34**	J	**0.45**	J	**0.34**	J	**0.39**	J	**0.49**	J	0.59
Chlorobenzene	108-90-7	0.37	UJ	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	UJ	0.37	U	0.37	U	0.37	U	<0.25
Chlorodifluoromethane	75-45-6	**6.1**	J	**45**		**39**		**0.88**		**0.85**		**0.75**		**1.0**		**1.5**		**0.85**	J	**0.55**		**1.1**		**1.4**		NL
Chloroethane	75-00-3	0.21	UJ	0.21	U	**0.079**	J	0.21	U	0.21	U	0.21	U	**0.044**	J	0.21	U	**0.046**	J	0.21	U	**0.12**	J	**0.038**	J	<0.25
Chloroform	67-66-3	**0.14**	J	**0.11**	J	**2.0**	J	0.39	U	0.39	U	**1.9**		**0.16**	J	**0.13**	J	**0.089**	J	**4.1**		**0.89**		**0.83**		0.54
Chloromethane	74-87-3	**0.29**	J	**0.89**		**1.5**		**0.77**		**0.75**		**0.30**	J	**0.98**		**0.78**		**1.0**	J	**0.53**		**1.5**		**0.64**		1.8
cis-1,2-Dichloroethene	156-59-2	0.32	UJ	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	UJ	0.32	U	0.32	U	0.32	U	<0.25
cis-1,3-Dichloropropene	10061-01-5	0.36	UJ	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	UJ	0.36	U	0.36	U	0.36	U	<0.25
Cumene	98-82-8	0.79	UJ	0.79	U	**0.14**	J	0.79	U	0.79	U	0.79	U	**0.34**	J	0.79	U	**0.12**	J	0.79	U	**0.32**	J	**0.20**	J	0.4
Cyclohexane	110-82-7	**0.39**	J	**0.87**		**0.9**		**0.093**	J	**0.095**	J	**0.82**		**0.84**		**0.22**	J	**0.20**	J	**0.46**	J	**0.45**	J	**0.70**		2.6
Dibromochloromethane	124-48-1	0.68	UJ	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	UJ	0.68	U	0.68	U	0.68	U	NL
Dibromomethane	74-95-3	1.1	UJ	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	UJ	1.1	U	1.1	U	1.1	U	NL
Dichlorodifluoromethane (Freon 12)	75-71-8	**2.1**	J	**2.7**		**2.2**		**2.2**		**2.3**		**2.3**		**2.7**		**2.2**		**2.1**	J	**2.3**		**2.3**		**3.3**		4.1
Ethylbenzene	100-41-4	**0.55**	J	**1.5**		**1.8**		**0.20**	J	**0.2**	J	**0.20**	J	**2.6**		**0.3**	J	**0.59**	J	**0.29**	J	**1.0**		**1.7**		2.8
Hexachlorobutadiene (C-46)	87-68-3	4.3	UJ	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	UJ	4.3	U	4.3	U	4.3	U	<0.25
Indane	496-11-7	0.39	UJ	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	**0.52**		0.39	U	0.39	UJ	0.39	U	0.39	U	0.39	U	NL
Indene	95-13-6	0.76	UJ	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	0.76	UJ	0.76	U	0.76	U	0.76	U	NL
Methyl tert-butyl ether (MTBE)	1634-04-4	1.4	UJ	**0.33**	J	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	UJ	1.4	U	1.4	U	1.4	U	5.6
Methylene chloride	75-09-2	**7.1**	J	**43**		**36**		0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	UJ	0.69	U	0.69	U	1.4	U	6.6
m-Xylene & p-Xylene	136777-61-2	**1.9**	J	**5.4**		**5.5**		**0.65**		**0.67**		**0.62**	J	**8.2**	J	**0.73**	J	**1.9**	J	**0.79**	J	**2.7**	J	**5.6**	J	4.6
Naphthalene	91-20-3	**0.27**	J	1.0	U	1.0	U	1.0	U	1	U	1.0	U	**0.32**	J	1.0	U	1.0	UJ	1.0	U	1.0	U	**0.23**	J	NL
n-Butane	106-97-8	**1.5**	J	**5.7**	J	**4.8**	J	**2.0**	J	**2.1**	J	**1.6**		**6.9**		**3.8**		**4.0**	J	**8.6**		**9.0**		**16**		NL
n-Decane	124-18-5	**1.0**	J	**1.7**	J	**0.66**	J	2.3	U	**0.51**	J	**0.73**	J	**1.3**	J	2.3	U	**1.1**	J	**32**		**120**		**2.3**		6.6
n-Dodecane	112-40-3	**0.77**	J	2.8	UJ	2.8	UJ	2.8	UJ	2.8	UJ	2.8	U	**0.28**	J	2.8	U	2.8	UJ	**0.23**	J	2.8	U	**0.49**	J	3.9
n-Heptane	142-82-5	**0.86**	J	**1.1**		**1.1**		**0.15**	J	**0.22**	J	**0.39**	J	**1.4**		**0.23**	J	**0.41**	J	**1.1**		**1.2**		**1.1**		7.6
n-Hexane	110-54-3	**1.5**	J	**4.4**		**3.7**		**0.35**	J	**0.44**	J	**0.70**		**2.6**		**0.69**		**0.83**	J	**2.8**		**1.2**		**2.1**		6
n-Octane	111-65-9	**0.65**	J	**0.31**	J	**0.44**	J	**0.076**	J	**0.75**		**0.40**	J	**0.81**		**0.087**	J	**6.0**	J	**0.87**		**0.82**		**0.69**	J	2.3
Nonane	111-84-2	**0.59**	J	**0.50**	J	**0.30**	J	1.0	U	**0.12**	J	**0.39**	J	**0.64**	J	1.0	U	**1.6**	J	**37**		**180**		**0.84**	J	3.4
n-Propylbenzene	103-65-1	0.79	UJ	**0.23**	J	**0.18**	J	0.79	U	0.79	U	0.79	U	**0.68**	J	0.79	U	0.79	UJ	0.79	U	**0.39**	J	**0.29**	J	0.7
n-Undecane	1120-21-4	**1.2**	J	**0.73**	J	**0.24**	J	2.6	U	2.6	U	**0.64**	J	**0.96**	J	2.6	U	**0.22**	J	**2.8**		**6.8**		**1.6**	J	5
o-Xylene	95-47-6	**0.56**	J	**1.6**		**1.7**		**0.23**	J	**0.22**	J	**0.23**	J	**3.2**		**0.28**	J	**0.72**	J	**0.34**	J	**1.1**		**2.0**		3.1
Pentane	109-66-0	**2.1**	J	**10**		**8.9**		**0.78**	J	**0.9**	J	**0.78**	J	**3.3**		**1.2**		**1.4**	J	**8.5**		**2.9**		**4.7**		NL
Styrene	100-42-5	0.34	UJ	0.34	U	**0.19**	J	0.34	U	0.34	U	0.34	U	**0.22**	J	**0.39**		**0.10**	J	**0.10**	J	**0.37**		**0.13**	J	0.64
Tetrachloroethene (PCE)	127-18-4	**1.3**	J	**0.55**		**0.51**	J	0.54	U	0.54	U	**0.29**	J	**0.20**	J	**0.26**	J	**0.25**	J	**11**		**0.21**	J	**0.67**		1.1
Thiophene	110-02-1	0.28	UJ	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	UJ	0.28	U	0.28	U	0.28	U	NL
Toluene	108-88-3	**4.8**	J	**20**		**20**		**1.2**		**1.3**		**1.2**		**15**		**2.2**		**4.6**	J	**2.1**		**6.8**		**7.1**		24.8
trans-1,2-Dichloroethene	156-60-5	0.32	UJ	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	UJ	0.32	U	0.32	U	0.32	U	NA
trans-1,3-Dichloropropene	10061-02-6	0.36	UJ	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	UJ	0.36	U	0.36	U	0.36	U	<0.25
Trichloroethene (TCE)	79-01-6	0.21	UJ	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	UJ	0.21	U	0.21	U	0.21	U	<0.25
Trichlorofluoromethane (Freon 11)	75-69-4	**0.91**	J	**1.4**		**1.1**		**1.1**		**1.1**		**1.3**		**1.4**		**1.4**		**1.2**	J	**1.2**		**1.3**		**1.9**		5.4
Vinyl chloride	75-01-4	0.20	UJ	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	UJ	0.20	U	0.20	U	**0.10**	J	<0.25
Helium (%)	7440-59-7	ND		NA		NA		NA		NA		ND		NA		NA		NA		ND		NA		NA		

TICs (ug/m^3)																										
1,2,4,5-Tetramethylbenzene	527-53-7	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA
2,3-Dimethylheptane	3074-71-3	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA
2,3-Dimethylpentane	565-59-3	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA
Butylcyclohexane	1678-93-9	ND		ND		ND		ND		ND		ND		ND		ND		ND		18	NJ	80	NJ	ND		NA

Notes:
All units in micrograms per cubic meter (µg/m³)
1 - New York State Department of Health, Study of VOCs in Air of Fuel Oil Heated Homes, November 14, 2005.
Bold - Compound detected in a concentration greater than the method reporting limits.
Exceeds NYSDOH Bakground Indoor Air Values 75th Percentile
NL - Not listed - data not available for background concentrations for these compounds.
ND - Non-detect.
NA - Not analyzed/not applicable.
U - The compound was analyzed for, but was not detected above the method reporting limit.
J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximated and may be UJ - inaccurate or imprecise.
NJ - The analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.

Table 6-5
SVI Evaluation Results
Ithaca Court Street Former MGP Site - OU2

Type of Sample Sample ID Laboratory ID Sampling Date	CAS Number	Soil Vapor SV 717 W.COURT H9C230112-007 3/17/2009		Indoor Air IA 717 W.COURT H9C230112-001 3/17/2009		Soil Vapor SV 721 W.COURT H9C230112-010 3/17/2009		Indoor Air IA 721 W.COURT H9C230112-004 3/17/2009		Soil Vapor SV 723 W.COURT H9C230112-003 3/17/2009		Indoor Air IA 723 W.COURT H9C230112-011 3/17/2009		Soil Vapor SV 725 W.COURT H9C230112-013 3/19/2009		Indoor Air IA 725 W.COURT H9C230112-018 3/19/2009		Outdoor (Upwind) AMB 725 W.COURT H9C230112-017 3/19/2009		Outdoor (Upwind) AMB 1 EAST H9C230112-016 3/17/2009		Outdoor (Upwind) AMB 2 WEST H9C230112-015 3/17/2009		NYSDOH Background Indoor Air Values[1] 75th Percentile
Compound (ug/m^3)																								
1,1,1-Trichloroethane (1,1,1-TCA)	71-55-6	**3.2**		0.44	U	**0.22**	J	**0.078**	J	**0.12**	J	0.44	U	**0.069**	J	**0.078**	J	0.44	U	0.44	U	0.44	U	1.1
1,1,2,2-Tetrachloroethane	79-34-5	**0.24**	J	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	<0.25
1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	**0.77**		**0.53**	J	**0.45**	J	**0.63**		**0.52**	J	**0.52**	J	**0.57**	J	**0.58**	J	**0.56**	J	**0.53**	J	**0.6**	J	1.1
1,1,2-Trichloroethane	79-00-5	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	<0.25
1,1-Dichloroethane	75-34-3	**0.08**	J	0.32	U	**0.37**		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	<0.25
1,1-Dichloroethene	75-35-4	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	<0.25
1,2,3-Trimethylbenzene	526-73-8	0.39	U	0.39	U	**0.42**		**0.46**		**2.0**		**0.71**		0.39	U	**0.43**		0.39	U	0.39	U	0.39	U	1.1
1,2,4-Trichlorobenzene	120-82-1	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	<0.25
1,2,4-Trimethylbenzene	95-63-6	**0.30**	J	**0.84**		**0.82**		**0.73**		**3.8**		**1.3**		**0.49**		**0.93**		0.39	U	**0.91**		**1.1**		4.3
1,2-Dibromoethane (EDB)	106-93-4	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	<0.25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	0.56	U	**0.100**	J	**0.14**	J	**0.16**	J	0.56	U	0.56	U	**0.17**	J	**0.15**	J	**0.16**	J	0.56	U	0.56	U	<0.25
1,2-Dichlorobenzene	95-50-1	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	<0.25
1,2-Dichloroethane	107-06-2	0.32	U	0.32	U	0.32	U	**0.088**	J	0.32	U	0.32	U	0.32	U	**0.089**	J	0.32	U	0.32	U	0.32	U	<0.25
1,2-Dichloropropane	78-87-5	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	<0.25
1,2,3,4-Tetramethylbenzene	488-23-3	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NL
1,2,3,5-Tetramethylbenzene	527-53-7	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NL
1,3,5-Trimethylbenzene	108-67-8	**0.22**	J	**0.28**	J	**0.45**		**0.32**	J	**1.7**		**0.41**		**0.30**	J	**0.38**	J	0.39	U	**0.28**	J	**0.32**	J	1.7
1,3-Butadiene	106-99-0	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	NL
1,3-Dichlorobenzene	541-73-1	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	<0.25
1,4-Dichlorobenzene	106-46-7	0.48	U	0.48	U	0.48	U	0.48	U	**0.16**	J	0.48	U	0.48	U	**0.17**	J	0.48	U	0.48	U	0.48	U	0.54
1-Methylnaphthalene	90-12-0	5.8	U	5.8	U	5.8	U	5.8	U	**28**		5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	NL
2,2,4-Trimethylpentane	540-84-1	**1.9**		**0.93**		**0.089**	J	**+**	J	**0.12**	J	**0.79**	J	**0.13**	J	**0.63**	J	**0.13**	J	**0.93**		**1.2**		NL
Isopentane	78-78-4	**13**		**4.2**		**3.2**		**4.1**		**2.5**		**7.1**		**1.2**		**3.1**		**1.0**		**3.5**		**5.7**		NL
2-Methylnaphthalene	91-57-6	5.8	U	5.8	U	5.8	U	5.8	U	**43**		5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	NL
3-Chloropropene	107-05-1	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NL
alpha-Methylstyrene	98-83-9	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	NL
Benzene	71-43-2	**1.9**		**1.6**		**1.3**		**1.8**		**8.8**		**1.9**		**0.62**		**1.2**		**0.62**		**1.6**		**1.8**		5.9
Benzyl chloride	100-44-7	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	NL
Bromodichloromethane	75-27-4	**0.98**		0.54	U	**1.5**		0.54	U	**1.4**		0.54	U	**0.13**	J	0.54	U	0.54	U	0.54	U	0.54	U	NL
Bromoform	75-25-2	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	NL
Bromomethane	74-83-9	0.31	U	**0.07**	J	0.31	U	0.31	U	0.31	U	**0.056**	J	0.31	U	0.31	U	**0.10**	J	**0.088**	J	**0.055**	J	<0.25
Carbon disulfide	75-15-0	**4.6**		0.62	U	**9.7**		0.65	U	**1.4**		0.62	U	**1.6**		0.62	U	0.62	U	0.62	U	0.62	U	NL
Carbon tetrachloride	56-23-5	**0.22**	J	**0.49**	J	0.5	U	**0.53**		**0.17**	J	**0.51**		**0.38**	J	**0.51**		**0.47**	J	**0.5**	J	**0.51**		0.59
Chlorobenzene	108-90-7	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	<0.25
Chlorodifluoromethane	75-45-6	**1.5**		**1.0**		**0.69**		**1.5**		**1.3**		**1.0**		**0.67**		**1.1**		**0.81**		**1.2**		**1.1**		NL
Chloroethane	75-00-3	**0.13**	J	**0.068**	J	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	**0.052**	J	0.21	U	0.21	U	<0.25
Chloroform	67-66-3	**34**		**2.9**		**17**		**0.84**		**12**		**0.32**	J	**1.2**		**0.13**	J	0.39	U	**0.092**	J	**0.099**	J	0.54
Chloromethane	74-87-3	**0.37**	J	**0.98**		**0.31**	J	**0.97**		**0.30**	J	**0.87**		**0.26**	J	**1.1**		**1.1**		**0.94**		**1.0**		1.8
cis-1,2-Dichloroethene	156-59-2	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	<0.25
cis-1,3-Dichloropropene	10061-01-5	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	<0.25
Cumene	98-82-8	**0.17**	J	**0.15**	J	0.79	U	**0.16**	J	**0.24**	J	**0.19**	J	0.79	U	**0.20**	J	0.79	U	**0.15**	J	**0.18**	J	0.4
Cyclohexane	110-82-7	**5.7**		**0.36**	J	**0.81**		**0.36**	J	**0.77**		**0.61**	J	**0.45**	J	**0.28**	J	**0.073**	J	**0.35**	J	**0.40**	J	2.6
Dibromochloromethane	124-48-1	0.68	U	0.68	U	**0.15**	J	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	NL
Dibromomethane	74-95-3	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	NL
Dichlorodifluoromethane (Freon 12)	75-71-8	**1.9**		**2.2**		**1.8**		**2.3**		**2.0**		**2.1**		**2.2**		**2.5**		**2.4**		**2.3**		**2.8**		4.1
Ethylbenzene	100-41-4	**1.4**		**0.78**		**0.72**		**0.68**		**1.4**		**0.88**		**0.49**		**1.2**		0.35	U	**0.82**		**0.97**		2.8
Hexachlorobutadiene (C-46)	87-68-3	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	<0.25
Indane	496-11-7	0.39	U	0.39	U	0.39	U	0.39	U	**0.73**		0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	NL
Indene	95-13-6	0.76	U	0.76	U	0.76	U	0.76	U	**0.78**		0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	NL
Methyl tert-butyl ether (MTBE)	1634-04-4	**0.31**	J	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	5.6
Methylene chloride	75-09-2	1.1	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	**2.9**		0.69	U	0.71	U	0.69	U	6.6
m-Xylene & p-Xylene	136777-61-2	**2.5**	J	**2.4**	J	**2.8**	J	**2.0**	J	**9.0**	J	**2.7**	J	**2.0**	J	**3.8**	J	**0.23**	J	**2.5**	J	**3.1**	J	4.6
Naphthalene	91-20-3	**0.96**	J	1.0	U	1.0	U	1.0	U	**120**		**0.19**	J	**0.38**	J	**0.2**	J	1.0	U	**0.20**	J	1.0	U	NL
n-Butane	106-97-8	**20**		**6.4**		**4.6**		**5.8**		**3.2**		**11**		**1.7**		**6.9**		**1.7**		**4.6**		**8.1**		NL
n-Decane	124-18-5	**5.3**		**6.0**		**1.4**	J	**3.1**		**3.3**		**3.2**		**2.0**	J	**1**	J	2.3	U	**0.51**	J	**0.64**	J	6.6
n-Dodecane	112-40-3	**1.2**	J	**0.40**	J	**2.0**	J	**1.0**	J	**2.0**	J	**0.32**	J	**1.8**	J	**0.29**	J	2.8	U	2.8	U	2.8	U	3.9
n-Heptane	142-82-5	**10**		**0.49**	J	**1.3**		**0.58**	J	**2.5**		**1.0**		**2.1**		**0.43**	J	0.82	U	**0.44**	J	**0.59**	J	7.6
n-Hexane	110-54-3	**21**		**1.0**		**2.0**		**1.3**		**2.5**		**1.7**		**1.5**		**0.98**		0.70	U	**0.88**		**1.2**		6
n-Octane	111-65-9	**5.0**		**0.46**	J	**1.1**		**0.6**	J	**2.4**		**0.93**		**3.5**		**0.32**	J	0.75	U	**0.29**	J	**0.36**	J	2.3
Nonane	111-84-2	**4.2**		**4.1**		**0.80**	J	**0.99**	J	**2.2**		**1.7**		**2.8**		**0.47**	J	1.0	U	**0.28**	J	**0.31**	J	3.4
n-Propylbenzene	103-65-1	0.79	U	0.79	U	**0.19**	J	0.79	U	**0.34**	J	**0.25**	J	0.79	U	**0.25**	J	0.79	U	**0.19**	J	**0.22**	J	0.7
n-Undecane	1120-21-4	**3.4**		**2.6**		**2.3**	J	**2.1**	J	**3.2**		**2.1**	J	**2.2**	J	**0.55**	J	2.6	U	**0.34**	J	**0.36**	J	5
o-Xylene	95-47-6	**0.57**		**0.91**		**0.95**		**0.86**		**3.3**		**1.1**		**0.59**		**1.2**		0.35	U	**1.0**		**1.3**		3.1
Pentane	109-66-0	**16**		**2.4**		**2.5**		**2.5**		**2.0**		**3.7**		**1.3**		**1.5**		**0.52**	J	**1.7**		**2.6**		NL
Styrene	100-42-5	0.34	U	**0.17**	J	0.34	U	**0.27**	J	**1.8**		**0.12**	J	0.34	U	**0.19**	J	0.34	U	0.34	U	**0.15**	J	0.64
Tetrachloroethene (PCE)	127-18-4	**22**		**0.25**	J	**0.20**	J	**1.3**		**1.4**		**0.19**	J	**0.68**		**1.5**		0.54	U	**0.17**	J	**0.25**	J	1.1
Thiophene	110-02-1	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	NL
Toluene	108-88-3	**5.8**		**3.8**		**6.3**		**5.0**		**12**		**5.0**		**3.3**		**8.6**		**0.55**		**4.2**		**4.9**		24.8
trans-1,2-Dichloroethene	156-60-5	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	NA
trans-1,3-Dichloropropene	10061-02-6	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	<0.25
Trichloroethene (TCE)	79-01-6	**0.18**	J	**0.081**	J	**0.15**	J	**1.2**		**0.11**	J	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	<0.25
Trichlorofluoromethane (Freon 11)	75-69-4	**1.8**		**2.6**		**0.88**		**1.5**		**1.0**		**1.3**		**1.3**		**1.6**		**1.3**		**1.3**		**1.4**		5.4
Vinyl chloride	75-01-4	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	<0.25
Helium (%)	7440-59-7	**0.29**		NA		ND		NA		ND		NA		ND		NA		NA		NA		NA		NL

TICs (ug/m^3)																								
1,2,4,5-Tetramethylbenzene	527-53-7	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA
2,3-Dimethylheptane	3074-71-3	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA
2,3-Dimethylpentane	565-59-3	**4.5**	NJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA
Butylcyclohexane	1678-93-9	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA

Notes:

All units in micrograms per cubic meter (µg/m³)

1 - New York State Department of Health, Study of VOCs in Air of Fuel Oil Heated Homes, November 14, 2005.

Bold - Compound detected in a concentration greater than the method reporting limits.

Exceeds NYSDOH Bakground Indoor Air Values 75th Percentile

NL - Not listed - data not available for background concentrations for these compounds.

ND - Non-detect.

NA - Not analyzed/not applicable.

U - The compound was analyzed for, but was not detected above the method reporting limit.

J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximated and may be UJ - inaccurate or imprecise.

NJ - The analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.

Table 6-5
SVI Evaluation Results
Ithaca Court Street Former MGP Site - OU2

Type of Sample Sample ID Laboratory ID Sampling Date	CAS Number	Soil Vapor SV 420 N. PLAIN H0C190475-001 3/18/2010		Indoor Air IA 420 N. PLAIN H0C190475-002 3/18/2010		Outdoor (Upwind) AMB 420 N. PLAIN H0C190475-003 3/18/2010		NYSDOH Background Indoor Air Values[1] 75th Percentile
Compound (ug/m^3)								
1,1,1-Trichloroethane (1,1,1-TCA)	71-55-6	**1.9**		0.44	U	0.44	U	1.1
1,1,2,2-Tetrachloroethane	79-34-5	0.55	U	0.55	U	0.29	J	<0.25
1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	0.49	J	0.49	J	0.48	J	1.1
1,1,2-Trichloroethane	79-00-5	0.44	U	0.44	U	0.32	J	<0.25
1,1-Dichloroethane	75-34-3	0.32	U	0.32	U	0.32	U	<0.25
1,1-Dichloroethene	75-35-4	0.32	U	0.32	U	0.32	U	<0.25
1,2,3-Trimethylbenzene	526-73-8	**1.1**		0.39	U	0.39	U	1.1
1,2,4-Trichlorobenzene	120-82-1	3.0	U	3.0	U	3.0	U	<0.25
1,2,4-Trimethylbenzene	95-63-6	**3.2**		0.39	U	**0.41**		4.3
1,2,4,5-Tetramethylbenzene	527-53-7	**0.61**		0.44	U	0.44	U	NL
1,2-Dibromoethane (EDB)	106-93-4	0.61	U	0.61	U	0.61		<0.25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	0.013	J	0.10	J	0.56	UJ	<0.25
1,2-Dichlorobenzene	95-50-1	0.48	U	0.48	U	0.48	U	<0.25
1,2-Dichloroethane	107-06-2	0.32	U	0.32	U	0.19	J	<0.25
1,2-Dichloropropane	78-87-5	0.37	U	0.37	U	**3.9**		<0.25
1,2,3,4-Tetramethylbenzene	488-23-3	**0.72**		0.49	U	0.49	U	NL
1,2,3,5-Tetramethylbenzene	527-53-7	**0.99**		0.44	U	0.44	U	NL
1,3,5-Trimethylbenzene	108-67-8	**0.85**		0.39	U	0.39	U	1.7
1,3-Butadiene	106-99-0	**0.40**		0.35	U	0.12	J	NL
1,3-Dichlorobenzene	541-73-1	0.48	U	0.48	U	0.48	U	<0.25
1,4-Dichlorobenzene	106-46-7	**0.69**		0.48	U	0.48	U	0.54
1-Methylnaphthalene	90-12-0	5.8	U	5.8	U	5.8	U	NL
2,2,4-Trimethylpentane	540-84-1	0.13	J	0.23	J	0.31	J	NL
2,3-Dimethylheptane	3074-71-3	0.42	U	0.42	U	0.42		NL
2,3-Dimethylpentane	565-59-3	**0.42**		0.33	U	0.33	U	NL
Isopentane	78-78-4	**0.98**		**2.3**		**3.1**		NL
2-Methylnaphthalene	91-57-6	5.8	U	5.8	U	5.8	U	NL
3-Chloropropene	107-05-1	0.25	U	0.25	U	0.25	U	NL
alpha-Methylstyrene	98-83-9	0.77	U	0.77	U	0.77	U	NL
Benzene	71-43-2	**1.1**		**0.84**		**0.86**		5.9
Benzyl chloride	100-44-7	0.83	U	0.83	U	0.83	U	NL
Bromodichloromethane	75-27-4	0.54	U	0.54	U	0.54	U	NL
Bromoform	75-25-2	0.83	U	0.83	U	0.83	U	NL
Bromomethane	74-83-9	0.31	U	0.31	U	0.31	U	<0.25
Butylcyclohexane	1678-93-9	0.46	U	0.46	U	0.46	U	NL
Carbon disulfide	75-15-0	0.21	J	0.62	U	0.23	J	NL
Carbon tetrachloride	56-23-5	0.50	U	0.43	J	**1.9**		0.59
Chlorobenzene	108-90-7	0.37	U	0.37	U	0.37	U	<0.25
Chlorodifluoromethane	75-45-6	**0.86**		**1.2**		**1.0**		NL
Chloroethane	75-00-3	0.21	U	0.21	U	0.14	J	<0.25
Chloroform	67-66-3	0.075	J	0.13	J	**1.5**		0.54
Chloromethane	74-87-3	**0.62**		**0.90**		**1.6**		1.8
cis-1,2-Dichloroethene	156-59-2	0.32	U	0.32	U	0.32	U	<0.25
cis-1,3-Dichloropropene	10061-01-5	0.36	U	0.36	U	0.36	U	<0.25
Cumene	98-82-8	0.2	J	0.79	U	0.79	U	0.4
Cyclohexane	110-82-7	0.28	J	0.52	J	0.34	J	2.6
Dibromochloromethane	124-48-1	0.68	U	0.68	U	0.68	U	NL
Dibromomethane	74-95-3	1.1	U	1.1	U	1.1	U	NL
Dichlorodifluoromethane (Freon 12)	75-71-8	**1.9**		**2.2**		**2.3**		4.1
Ethylbenzene	100-41-4	**1.7**		0.16	J	**0.37**		2.8
Hexachlorobutadiene (C-46)	87-68-3	4.3	U	4.3	U	4.3	U	<0.25
Indane	496-11-7	**0.54**		0.39	U	0.39	U	NL
Indene	95-13-6	0.76	U	0.76	U	0.76	U	NL
Methyl tert-butyl ether (MTBE)	1634-04-4	1.4	U	1.4	U	1.4	U	5.6
Methylene chloride	75-09-2	0.69	U	0.69	U	0.69	U	6.6
m-Xylene & p-Xylene	136777-61-2	**6.3**		0.35		**1.1**		4.6
Naphthalene	91-20-3	**3.5**		1.0	U	0.4	J	NL
n-Butane	106-97-8	**1.4**		**6.4**		**2.7**		NL
n-Decane	124-18-5	2.1	J	2.3	U	0.75	J	6.6
n-Dodecane	112-40-3	**37**	**J**	2.8	UJ	0.47	J	3.9
n-Heptane	142-82-5	0.72	J	0.41	J	0.36	J	7.6
n-Hexane	110-54-3	**0.94**		0.66	J	0.62	J	6
n-Octane	111-65-9	0.64	J	0.15	J	0.17	J	2.3
Nonane	111-84-2	0.56	J	1.00	U	0.2	J	3.4
n-Propylbenzene	103-65-1	0.52	J	0.79	U	0.79	U	0.7
n-Undecane	1120-21-4	**12**		2.6	U	0.92	J	5
o-Xylene	95-47-6	**2.1**		0.12	J	**0.37**		3.1
Pentane	109-66-0	**1.5**		**1.5**		**11**		NL
Styrene	100-42-5	0.21	J	0.34	U	0.34	U	0.64
Tetrachloroethene (PCE)	127-18-4	**28**		**0.56**		**19**		1.1
Thiophene	110-02-1	0.28	U	0.28	U	0.28	U	NL
Toluene	108-88-3	**8.4**		**1.6**		**3.3**		24.8
trans-1,2-Dichloroethene	156-60-5	0.32	U	0.32	U	0.32	U	NA
trans-1,3-Dichloropropene	10061-02-6	0.36	U	0.36	U	0.36	U	<0.25
Trichloroethene (TCE)	79-01-6	0.21	U	0.21	U	**0.46**		<0.25
Trichlorofluoromethane (Freon 11)	75-69-4	**1.2**		**1.3**		**1.2**		5.4
Vinyl chloride	75-01-4	0.20	U	0.20	U	0.20	U	<0.25
Helium (%)	7440-59-7	ND		ND		ND		NL

Notes:

All units in micrograms per cubic meter (µg/m³)

1 - New York State Department of Health, Study of VOCs in Air of Fuel Oil Heated Homes, November 14, 2005.

Bold - Compound detected in a concentration greater than the method reporting limits.

Exceeds NYSDOH Bakground Indoor Air Values 75th Percentile

NL - Not listed - data not available for background concentrations for these compounds.

ND - Non-detect.

U - The compound was analyzed for, but was not detected above the method reporting limit.

J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximated and may be UJ - inaccurate or imprecise.

Table 8-1
Exposure Pathway Analysis - Potential Receptors
Ithaca Court Street Former MGP Site - OU2

Receptor	Exposure Medium	Exposure Pathway	Pathway Not Considered Complete	Pathway Considered Potentially Complete, But Not Likely to Result in Exposure	Pathway Potentially Complete and Will Be Addressed in the Feasibility Study for the Site	Rationale for Inclusion or Exclusion
Area 1						
Indoor Occupant, Pedestrian, Outdoor Maintenance Worker, Subsurface Utility Worker	**Subsurface Soil (>2 inches)**	Ingestion	X	---	---	Coal tar and coal tar NAPL were observed in small amounts in several subsurface borings below 5 feet bgs. Elevated concentrations of COC that may be related to the MGP site were detected in limited portions of Area 1, downgradient of the MGP site. [1]Though the potential for exposure is considered low for indoor occupants, outdoor maintenance workers, and pedestrians, the pathway is potentially complete for the Subsurface Utility Worker. Potential remedial actions to manage any MGP-related impacted subsurface soils in this area will be evaluated in the FS.
		Dermal Contact	---	X[1]	X[1]	
		Inhalation of Particulates	---	X	---	
		Inhalation of Volatiles in Ambient Air	X	---	---	
		Inhalation of Volatiles in Indoor Air	X	---	---	
	Groundwater	Ingestion	X	---	---	Two wells downgradient of the MGP site contained COC in concentrations in exceedance of groundwater standards and guidance. These occurances appear to be localized near subsurface soil MGP related impacts. Groundwater is not being used for drinking water, as the area is served by the public water supply. The impacts that may be related to the MGP site will be addressed in the FS.
		Dermal contact	---	X	---	
		Inhalation of Volatiles in Ambient Air	---	X	---	
		Inhalation of Volatiles in Indoor Air	---	X	---	
	Surface Water	Ingestion	X	---	---	Surface water is not present at this location.
		Dermal contact	X	---	---	
Area 2						
Indoor Occupant, Pedestrian, Outdoor Maintenance Worker, Subsurface Utility Worker	**Subsurface Soil (>2 inches)**	Ingestion	X	---	---	Coal tar and coal tar NAPL were observed in small amounts in several subsurface borings below 5 feet bgs. Elevated concentrations of COC that may be related to the MGP site were detected in limited portions of Area 2, downgradient of the MGP site. [1]Though the potential for exposure is considered low for indoor occupants, outdoor maintenance workers, and pedestrians, the pathway is potentially complete for the Subsurface Utility Worker. Potential remedial actions to manage any MGP-related impacted subsurface soils in this area will be evaluated in the FS.
		Dermal Contact	---	X[1]	X[1]	
		Inhalation of Particulates	---	X	---	
		Inhalation of Volatiles in Ambient Air	X	---	---	
		Inhalation of Volatiles in Indoor Air	X	---	---	
	Groundwater	Ingestion	X	---	---	Three wells downgradient of the wooden duct that runs from the MGP site along Court Street contained COC in concentrations in exceedance of groundwater standards and guidance. These occurances appear to be localized near subsurface soil MGP related impacts. Groundwater is not being used for drinking water, as the area is served by the public water supply. The impacts that may be related to the MGP site will be addressed in the FS.
		Dermal contact	---	X	---	
		Inhalation of Volatiles in Ambient Air	---	X	---	
		Inhalation of Volatiles in Indoor Air	X	---	---	
	Surface Water	Ingestion	X	---	---	Surface water is not present at this location.
		Dermal contact	X	---	---	

Historical Data Tables

Historical Surface Soil Results

Ithaca Court Street OU-2
Table 5-1
Surface Soil Results

Sample Location / Sample Date	Carbon Number	NYSDEC TAGM 4046 RSCO***	SS-1 10/25/01	SS-2 10/25/01	SS-3 10/25/01	SS-4 10/25/01	SS-5 10/25/01	SS-6 10/25/01	SS-7 10/25/01	SS-8 10/25/01	SS-9 10/25/01	SS-0125 Dupe of SS-9	SS-10 10/25/01
Polychlorinated Biphenyls (PCBs), EPA 8082 (ug/Kg)													
Aroclor 1016	-	(1) 1,000 *	21 U	18 U	20 U	20 U	21 U	22 U	23 U	22 U	22 U	21 U	20 U
Aroclor 1221	-	(1) 1,000 *	21 U	18 U	20 U	20 U	21 U	22 U	23 U	22 U	22 U	21 U	20 U
Aroclor 1232	-	(1) 1,000 *	21 U	18 U	20 U	20 U	21 U	22 U	23 U	22 U	22 U	21 U	20 U
Aroclor 1242	-	(1) 1,000 *	21 U	18 U	20 U	20 U	21 U	22 U	23 U	22 U	22 U	21 U	20 U
Aroclor 1248	-	(1) 1,000 *	21 U	18 U	20 U	20 U	21 U	22 U	23 U	22 U	22 U	21 U	20 U
Aroclor 1254	-	(1) 1,000 *	21 U	18 U	20 U	20 U	21 U	22 U	23 U	22 U	22 U	21 U	20 U
Aroclor 1260	-	(1) 1,000 *	21 U	18 U	20 U	20 U	21 U	22 U	23 U	22 U	22 U	21 U	20 U
Total PCBs	-	1,000 *	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**22**
Volatiles (BTEX), EPA 8021 (ug/Kg)													
Benzene	6	60	1.2 U	1.0 U	1.2 U	1.0 U	1.1 U	1.1 U	1.4 U	1.2 U	1.3 U	1.2 U	1.2 U
Ethylbenzene	7	5,500	1.2 U	1.0 U	1.2 U	1.0 U	1.1 U	1.1 U	1.4 U	1.2 U	1.3 U	1.2 U	1.2 U
Toluene	8	1,500	1.2 U	1.0 U	1.2 U	1.0 U	1.1 U	1.1 U	1.4 U	1.2 U	1.3 U	1.2 U	1.2 U
o-Xylene	8	1,200 **	1.2 U	1.0 U	1.2 U	1.0 U	1.1 U	1.1 U	1.4 U	1.2 U	1.3 U	1.2 U	1.2 U
m- & p-Xylene	8	1,200 **	1.2 U	1.0 U	1.2 U	1.0 U	1.1 U	1.1 U	1.4 U	1.2 U	1.3 U	1.2 U	1.2 U
Total BTEX	-	-	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Polycylic Aromatic Hydrocarbons (PAHs), EPA 8270 (ug/Kg)													
Naphthalene	10	13,000	420 U	350 U	390 U	400 U	420 U	2,100 U	2,300 U	2,200 U	2,200 U	2,200 U	4,100 U
2-Methylnaphthalene	11	36,400	420 U	350 U	390 U	400 U	420 U	2,100 U	2,300 U	2,200 U	2,200 U	2,200 U	4,100 U
Acenaphthylene	12	41,000	420 U	350 U	390 U	400 U	420 U	2,100 U	2,300 U	2,200 U	2,200 U	2,200 U	**490**
Acenaphthene	12	50,000	420 U	350 U	390 U	400 U	420 U	2,100 U	2,300 U	2,200 U	2,200 U	2,200 U	4,100 U
Fluorene	13	50,000	420 U	350 U	390 U	400 U	420 U	2,100 U	2,300 U	2,200 U	2,200 U	2,200 U	4,100 U
Phenantherene	14	50,000	**740**	350 U	390 U	**43 J**	420 U	2,100 U	2,300 U	2,200 U	**650**	**660**	**3,100**
Anthracene	14	50,000	420 U	350 U	390 U	400 U	420 U	2,100 U	2,300 U	2,200 U	2,200 U	2,200 U	**750**
Fluoranthene	16	50,000	**1,100**	350 U	390 U	**120 J**	**94 J**	2,100 U	2,300 U	**240 JV**	**1100**	**1100**	**7,300**
Pyrene	16	50,000	**960**	350 U	390 U	**100 J**	**75 J**	2,100 U	2,300 U	**220 JV**	**990**	**990**	**6,700**
Benzo(a)anthracene	18	224 or MDL	**450**	350 U	390 U	**48 J**	420 U	2,100 U	2,300 U	2,200 U	**460**	**500**	**4,100**
Chrysene	18	400	**580**	350 U	390 U	**57 J**	**51 J**	2,100 U	2,300 U	2,200 U	**540**	**570**	**4,400**
Benzo(b)fluoranthene	20	224	**590**	350 U	390 U	400 U	**44 J**	2,100 U	2,300 U	2,200 U	**390**	**430**	**4,800**
Benzo(k)fluoranthene	20	224	**500**	350 U	390 U	400 U	420 U	2,100 U	2,300 U	2,200 U	**360**	**430**	**3,000**
Benzo(a)pyrene	20	61 or MDL	**680**	350 U	390 U	**40 J**	420 U	2,100 U	2,300 U	2,200 U	**450**	**490**	**4,500**
Benzo(g,h,i)perylene	22	50,000	**790**	350 U	390 U	400 U	420 U	2,100 U	2,300 U	2,200 U	2,200 U	2,200 U	**2,400**
Dibenz(a,h)anthracene	22	14 or MDL	420 U	350 U	390 U	400 U	420 U	2,100 U	2,300 U	2,200 U	2,200 U	2,200 U	**840**
Indeno(1,2,3-cd)pyrene	22	3,200	**670**	350 U	390 U	400 U	420 U	2,100 U	2,300 U	2,200 U	2,200 U	2,200 U	**2,500**
Total PAHs	-	-	**7,060**	BDL	BDL	**408 J**	**264 J**	BDL	BDL	**460 JV**	**4,940**	**5,170**	**44,880**
Total Cyanide, EPA 9014 (mg/Kg)													
Total Cyanide	-	site specific	1.0 UV	1.0 UV	1.0 UV	1.0 UV	1.0 UV	1.0 UV	1.0 UV	1.0 UV	1.0 UV	1.0 UV	**2.2 V**

*Sum of all PCB's
**Sum of all Xylenes
*** Recommended Soil Cleanup Objectives
SS-0125 Field duplicate of SS-9
(1) The total of all PCB analytes <1,000 ug/kg for surface soils
BDL- Below Detection Limit of analytical instrument
Bold numbers indicate analyte detected
Shading indicates detected value is greater then NYSDEC RSCO

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit for the sample.
V - The reported value is considered estimated due to variance from quality control criteria
U - The compound was analyzed for but not detected at or above the quantitation limit indicated

Table 1
Historical Surface Soil Results - October 2001
Ithaca Court Street Former MGP Site - OU2

Sample Designation Sample Date	CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	SS-11 10/25/2001	SS-12 10/25/2001	SS-13 10/25/2001	SS-14 10/25/2001	SS-15 10/25/2001
PAH Compounds (mg/Kg)								
2-Methylnaphthalene	91-57-6	NL	NL					
Acenaphthene	83-32-9	100	500					
Acenaphthylene	208-96-8	100	500				0.61	0.23
Anthracene	120-12-7	100	500		3.8		2.3	0.24
Benzo(a)anthracene	56-55-3	1	5.6	0.58	0.56	0.8	**6.7**	**2**
Benzo(a)pyrene	50-32-8	1	1	0.57	0.53	0.73	**5.8**	**2**
Benzo(b)fluoranthene	205-99-2	1	5.6	0.78	0.62	0.73	**4.9**	**1.9**
Benzo(ghi)perylene	191-24-2	100	500	0.5	0.44	0.52	3.4	1.6
Benzo(k)fluoranthene	207-08-9	3.9	56	0.44	0.4	0.66	**5.1**	1.8
Chrysene	218-01-9	3.9	56	0.71	0.63	0.94	**6.7**	2.2
Dibenz(a,h)anthracene	53-70-3	0.33	0.56		**1.9**	0.22	**1.5**	**0.62**
Fluoranthene	206-44-0	100	500	1.1	1	1.3	11	3.3
Fluorene	86-73-7	100	500					
Indeno(1,2,3-cd)pyrene	193-39-5	.5	5.6		**1.9**	0.48	**0.7**	**1.6**
Naphthalene	91-20-3	100	500					
Phenanthrene	85-01-8	100	500	0.48	0.55	0.52	4.1	1.5
Pyrene	129-00-0	100	500	0.94	0.88	1.1	9.2	2.8
Total PAHs (mg/Kg)	NA	NL	NL	6.1	13.21	8	62.01	21.79

Notes:
NL = Not Listed
NA = Not Applicable
mg/Kg = microgram per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
Data collected by MWH Americas, Inc. (MWH)

Ithaca Court Street OU-2
Table 1-1
Surface Soils

Sample Location Sample Date	Carbon Number	NYSDEC TAGM 4046	SS-16 5/20/03	SS-17 5/20/03	SS-18 5/20/03	SS-19 5/20/03	SS-20 5/20/03	SS-21 5/20/03	SS-22 5/20/03	SS-23 5/20/03
Polycyclic Aromatic Hydrocarbons (PAHs), EPA 8270 (ug/Kg)										
Naphthalene	10	13,000	2,000 U	340 U	1800 U	400 U	2000 U	1900 U	1900 U	2000 U
2-Methylnaphthalene	10	36,400	2,000 U	340 U	1800 U	400 U	2000 U	1900 U	1900 U	2000 U
Acenaphthylene	12	41,000	2,000 U	340 U	1800 U	400 U	2000 U	1900 U	1900 U	2000 U
Acenaphthene	12	50,000	2,000 U	340 U	1800 U	400 U	2000 U	1900 U	1900 U	2000 U
Fluorene	13	50,000	2,000 U	340 U	1800 U	400 U	2000 U	1900 U	1900 U	2000 U
Phenanthrene	14	50,000	**5,700**	**280 J**	**4,900**	400 U	2000 U	1900 U	1900 U	2000 U
Anthracene	14	50,000	**1,200 J**	340 U	**1,000 J**	400 U	2000 U	1900 U	1900 U	2000 U
Fluoranthene	16	50,000	**15,000**	**480**	**12,000**	**370 J**	2000 U	**1,500 J**	1900 U	**1,200 J**
Pyrene	16	50,000	**13,000**	**380**	**10,000**	**250 J**	2000 U	**1,400 J**	1900 U	**1,000 J**
Benzo(a)anthracene	18	224 or MDL	**7,300**	**170 J**	**6,600**	400 U	2000 U	1900 U	1900 U	2000 U
Chrysene	18	400	**8,600**	**280 J**	**7,000**	**210 J**	2000 U	**920 J**	1900 U	2000 U
Benzo(b)fluoranthene	20	224	**9,000**	**330**	**7,100**	**320 J**	2000 U	1900 U	1900 U	2000 U
Benzo(k)fluoranthene	20	224	**5,700**	340 U	**5,900**	400 U	2000 U	1900 U	1900 U	2000 U
Benzo(a)pyrene	20	61 or MDL	**8,300**	**360**	**7,400**	**310 J**	**1,100 J**	**1,400 J**	1900 U	**1,300 J**
Benzo(ghi)perylene	22	50,000	**4,000**	**220 J**	**3,100**	**200 J**	**820 J**	**900 J**	1900 U	**840 J**
Dibenzo(a,h)anthracene	22	14 or MDL	**2,900**	**340 J**	**2,400**	**250 J**	2,000 U	1900 U	1900 U	2000 U
Indeno(1,2,3-cd)pyrene	22	3,200	**4,200**	**320 J**	**3,800**	**300 J**	**1,300 J**	**1,400 J**	**1900 U**	**1,400 J**
Total PAHs	-	-	**85,500**	**3,110**	**71,200**	**2,000**	**3,220**	**7,520**	BDL	**5,740**

*Total for all PCBs
** Total For all Xylenes
***RSCO- Recommended Soil Cleanup Objectives
NS- Not Sampled
BDL- Below Detection Limit of analytical instrument
Bold numbers indicate analyte detected

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit for the sample.
U - The compound was analyzed for but not detected at or above the quantitation limit indicate
V - The reported value is considered estimated due to variance from quality control criteria

Ithaca Court Street OU-2
Table 1-1
Surface Soils

Sample Location Sample Date	Carbon Number	NYSDEC TAGM	SS-24 5/20/03	SS-25 5/20/03	SS-26 5/20/03	SS-27 5/20/03	SS-28 5/20/03	SS-29 5/20/03	SS-30 5/20/03	SS-31 5/20/03
Polycyclic Aromatic Hydrocarbons (PAHs) EPA 8270 (ug/kg)										
Naphthalene	10	13,000	1900 U	1800 U	2000 U	2100 U	2100 U	2100 U	2000 U	880 U
2-Methylnaphthalene	10	36,400	1900 U	1800 U	2000 U	2100 U	2100 U	2100 U	2000 U	880 U
Acenaphthylene	12	41,000	1900 U	1800 U	2000 U	2100 U	2100 U	2100 U	2000 U	880 U
Acenaphthene	12	50,000	1900 U	1800 U	2000 U	2100 U	2100 U	2100 U	2000 U	880 U
Fluorene	13	50,000	1900 U	1800 U	2000 U	2100 U	2100 U	2100 U	2000 U	880 U
Phenanthrene	14	50,000	**1,300 J**	1800 U	**2,600**	**2,900**	**1,100 J**	2100 U	2000 U	880 U
Anthracene	14	50,000	1900 U	1800 U	**1,400 J**	2100 U	2100 U	2100 U	2000 U	880 U
Fluoranthene	16	50,000	**4,600**	**4,300**	**10,000**	**5,600**	**3,400**	**1,100 J**	**1,100 J**	880 U
Pyrene	16	50,000	**4,100**	**4,000**	**9,900**	**4,200**	**2,700**	**980 J**	**930 J**	880 U
Benzo(a)anthracene	18	224 or MDL	**2,300**	**2,600**	**7,600**	**1,800 J**	**1,300 J**	2100 U	2000 U	880 U
Chrysene	18	400	**2,700**	**3,200**	**8,400**	**3,100**	**1,700 J**	2100 U	2000 U	880 U
Benzo(b)fluoranthene	20	224	**3,800**	**3,600**	**7,400**	**2,800**	**2,900 J**	2100 U	2000 U	880 U
Benzo(k)fluoranthene	20	224	**1,600**	**2,400**	**7,200**	**1,200**	**1,700 J**	2100 U	2000 U	880 U
Benzo(a)pyrene	20	61 or MDL	**2,400**	**2,800**	**8,100**	**2,000**	**2,700**	**1,000 J**	**1,400 J**	**430 J**
Benzo(ghi)perylene	22	50,000	**1,600 J**	**1,300 J**	**2,300**	**1,200 J**	**1,100 J**	**1,000 J**	**1,200 J**	**380 J**
Dibenzo(a,h)anthracene	22	14 or MDL	**1,000 J**	**1,300 J**	**2,100**	**1,400 J**	**1,300 J**	2100 U	2000 U	880 U
Indeno(1,2,3-cd)pyrene	22	3,200	**2,100**	**2,000**	**3,200**	**1,900 J**	**1,700 J**	**1,500 J**	**1,700 J**	**610 J**
Total PAHs	-	-	**29,500**	**27,000**	**68,500**	**31,000**	**20,300**	**5,580**	**6,330**	**1,420**

*Total for all PCBs
** Total For all Xylenes
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U - The compound was analyzed for but not detected at or above the quantitation limit indica
V - The reported value is considered estimated due to variance from quality control criteria

Ithaca Court Street OU-2
Table 1-1
Surface Soils

Sample Location Sample Date	Carbon Number	NYSDEC TAGM 4046	SS-32 5/20/03	SS-33 5/20/03	SS-34 5/20/03	SS-35 5/20/03	SS-36 5/20/03	SS-37 5/20/03	SS-38 5/20/03	SS-39 5/20/03
Polycyclic Aromatic Hydrocarbons (PAHs) EPA 8270 (ug/Kg)										
Naphthalene	10	13,000	440 U	1800 U	1900 U	2100 U	1900 U	420 U	2000 U	370 U
2-Methylnaphthalene	10	36,400	440 U	1800 U	1900 U	2100 U	1900 U	420 U	2000 U	370 U
Acenaphthylene	12	41,000	440 U	1800 U	**1,300 J**	2100 U	1900 U	420 U	2000 U	370 U
Acenaphthene	12	50,000	440 U	1800 U	1900 U	2100 U	1900 U	420 U	2000 U	370 U
Fluorene	13	50,000	440 U	1800 U	1900 U	2100 U	1900 U	420 U	2000 U	370 U
Phenanthrene	14	50,000	**240 J**	**3,600**	**470**	**7,600**	**7,000**	420 U	2000 U	**1,500**
Anthracene	14	50,000	440 U	**1,800**	**1,800 J**	**1,900 J**	**1,100 J**	420 U	2000 U	**360 J**
Fluoranthene	16	50,000	**550**	**14,000**	**12,000**	**16,000**	**11,000**	**370 J**	**1,300 J**	**2,200**
Pyrene	16	50,000	**540**	**13,000**	**10,000**	**14,000**	**7,400**	**320 J**	**980 J**	**1,700**
Benzo(a)anthracene	18	224 or MDL	**220 J**	**9,900**	**7,200**	**12,000**	**4,800**	**130 J**	2000 U	**980**
Chrysene	18	400	**300 J**	**8,800**	**6,800**	**13,000**	**5,000**	**200 J**	2000 U	**940**
Benzo(b)fluoranthene	20	224	440 U	**11,000**	**7,100**	**21,000**	**6,700**	**430**	2000 U	**960**
Benzo(k)fluoranthene	20	224	440 U	**7,500**	**6,400**	**12,000**	**4,800**	**330 J**	2000 U	**780**
Benzo(a)pyrene	20	61 or MDL	**380 J**	**10,000**	**7,600**	**20,000**	**6,600**	**330 J**	**1,200 J**	**990**
Benzo(ghi)perylene	22	50,000	**270 J**	**3,700**	**2,600**	**8,700**	**1,900**	**210 J**	2000 U	**270 J**
Dibenzo(a,h)anthracene	22	14 or MDL	**380 J**	**2,400**	**2,200**	**4,600**	**1,700 J**	420 U	2000 U	**250 J**
Indeno(1,2,3-cd)pyrene	22	3,200	**390 J**	**4,800**	**3,400**	**9,700**	**2,700**	**320 J**	**1,400 J**	**410**
Total PAHs	-	-	**3,200**	**91,500**	**69,070**	**140,500**	**59,300**	**2,640**	**4,880**	**11,340**

*Total for all PCBs
** Total For all Xylenes
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NS- Not Sampled
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Bold numbers indicate analyte detected

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U - The compound was analyzed for but not detected at or above the quantitation limit indicat
V - The reported value is considered estimated due to variance from quality control criteria

Ithaca Court Street OU-2
Table 1-1
Surface Soils

Sample Location Sample Date	Carbon Number	NYSDEC TAGM 4046	SS-40 5/20/03	SS-41 5/20/03	SS-42 5/20/03	SS-43 5/20/03
Polycyclic Aromatic Hydrocarbons (PAHs) EPA 8270 (ug/Kg)						
Naphthalene	10	13,000	410 U	390 U	1800 U	1900 U
2-Methylnaphthalene	10	36,400	410 U	390 U	1800 U	1900 U
Acenaphthylene	12	41,000	410 U	390 U	1800 U	1900 U
Acenaphthene	12	50,000	410 U	390 U	1800 U	1900 U
Fluorene	13	50,000	410 U	390 U	1800 U	1900 U
Phenanthrene	14	50,000	410 U	390 U	**1,100 J**	1900 U
Anthracene	14	50,000	410 U	390 U	1,800 U	1900 U
Fluoranthene	16	50,000	**420**	**370 J**	**2,400**	**1,700 J**
Pyrene	16	50,000	**320 J**	**330 J**	**1,900**	**1,300 J**
Benzo(a)anthracene	18	224 or MDL	**140 J**	**180 J**	**1,000 J**	1900 U
Chrysene	18	400	**210 J**	**280 J**	**1,400 J**	**900 J**
Benzo(b)fluoranthene	20	224	410 U	**430**	**1,400 J**	1900 U
Benzo(k)fluoranthene	20	224	410 U	**260 J**	**1,800 J**	1900 U
Benzo(a)pyrene	20	61 or MDL	**320 J**	**430**	**1,800**	**1,300 J**
Benzo(ghi)perylene	22	50,000	**170 J**	**200 J**	**890 J**	1900 U
Dibenzo(a,h)anthracene	22	14 or MDL	410 U	390 U	1,800 U	1900 U
Indeno(1,2,3-cd)pyrene	22	3,200	**290 J**	**300 J**	**1,400 J**	**1,300 J**
Total PAHs	-	-	**1,870**	**2,780**	**14,890**	**6,400**

*Total for all PCBs
** Total For all Xylenes
***RSCO- Recommended Soil Cleanup Objectives
NS- Not Sampled
BDL- Below Detection Limit of analytical instrument
Bold numbers indicate analyte detected

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit for the sample.
U - The compound was analyzed for but not detected at or above the quantitation limit indicated
V - The reported value is considered estimated due to variance from quality control criteria

Table 2
Historical Surface Soil Results - April 2003
Ithaca Court Street Former MGP Site - OU2

Sample Designation	CAS #	NYSDEC Part 375-6 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375-6 Commercial Use Soil Cleanup Objectives	SS-101	SS-102	SS-103	SS-104	SS-105	SS-106	SS-107	SS-108	SS-109	SS-110
PAH Compounds (mg/Kg)													
2-Methylnaphthalene	91-57-6	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.2 J	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Acenaphthene	83-32-9	100	500	0.85 U	0.1 J	0.91 U	0.91 U	0.12 J	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Acenaphthylene	208-96-8	100	500	0.85 U	0.23 J	0.14 J	0.91 U	1.4	0.98 U	0.91 U	0.2 J	0.91 U	0.94 U
Anthracene	120-12-7	100	500	0.85 U	0.48 J	0.15 J	0.24 J	1.8	0.2 J	0.91 U	0.33 J	0.91 U	0.94 U
Benzo(a)anthracene	56-55-3	1	5.6	0.27 J	**2.1**	0.58 J	1	**4.7**	0.78 J	0.22 J	**1.6**	0.16 J	0.13 J
Benzo(a)pyrene	50-32-8	1	1	0.32 J	**2.6**	0.72 J	**1.4**	**5**	0.9 J	0.24 J	**1.8**	0.16 J	0.14 J
Benzo(b)fluoranthene	205-99-2	1	5.6	0.26 J	**2.2**	0.55 J	1	**6.3**	0.68 J	0.2 J	**1.7**	0.12 J	0.11 J
Benzo(ghi)perylene	191-24-2	100	500	0.22 J	1.7	0.48 J	0.94	3.2	0.57 J	0.16 J	1.2	0.095 J	0.94 U
Benzo(k)fluoranthene	207-08-9	3.9	56	0.34 J	1.7	0.58 J	1.1	2.6	0.77 J	0.19 J	1.3	0.17 J	0.16 J
Chrysene	218-01-9	3.9	56	0.3 J	2.1	0.66 J	1.1	**6.7**	0.78 J	0.24 J	1.7	0.17 J	0.16 J
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.85 U	**0.57 J**	0.12 J	0.24 J	**1**	0.14 J	0.91 U	**0.38 J**	0.91 U	0.94 U
Fluoranthene	206-44-0	100	500	0.49 J	3.2	1	1.5	11	1.4	0.5 J	2.9	0.36 J	0.26 J
Fluorene	86-73-7	100	500	0.85 U	0.14 J	0.91 U	0.91 U	0.21 J	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Indeno(1,2,3-cd)pyrene	193-39-5	.5	5.6	0.22 J	**1.9**	0.46 J	**1**	**3.4**	**0.61 J**	0.15 J	**1.3**	0.098 J	0.94 U
Naphthalene	91-20-3	100	500	0.85 U	0.11 J	0.91 U	0.91 U	0.25 J	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Phenanthrene	85-01-8	100	500	0.26 J	1.7	0.63 J	0.89 J	5.3	0.51 J	0.33 J	1.3	0.25 J	0.12 J
Pyrene	129-00-0	100	500	0.45 J	3.3	1.1	1.4	10	1.3	0.46 J	2.5	0.29 J	0.24 J
Total PAHs (mg/Kg)	NA	NL	NL	3.98	24.13	8.08	11.81	63.18	9.62	2.69	18.21	1.873	1.32
Other SVOCs (mg/Kg)													
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
1,2,4-Trichlorobenzene	120-82-1	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
1,2-Dichlorobenzene	95-50-1	100	500	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
1,3-Dichlorobenzene	541-73-1	49	280	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
1,4-Dichlorobenzene	106-46-7	13	130	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
2,4,5-Trichlorophenol	95-95-4	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
2,4,6-Trichlorophenol	88-06-2	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
2,4-Dichlorophenol	120-83-2	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
2,4-Dimethylphenol	105-67-9	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
2,4-Dinitrophenol	51-28-5	NL	NL	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U	1.8 U	2 U	1.8 U	1.9 U
2,4-Dinitrotoluene	121-14-2	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
2,6-Dinitrotoluene	606-20-2	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
2-Chloronaphthalene	91-58-7	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
2-Chlorophenol	95-57-8	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
2-Methylphenol	95-48-7	100	500	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
2-Nitroaniline	88-74-4	NL	NL	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U	1.8 U	2 U	1.8 U	1.9 U
2-Nitrophenol	88-75-5	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
3-Nitroaniline	99-09-2	NL	NL	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U	1.8 U	2 U	1.8 U	1.9 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U	1.8 U	2 U	1.8 U	1.9 U
4-Bromophenyl phenyl ether	101-55-3	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
4-Chloro-3-methylphenol	59-50-7	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
4-Chloroaniline	106-47-8	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
4-Methylphenol	106-44-5	100	500	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
4-Nitroaniline	100-01-6	NL	NL	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U	1.8 U	2 U	1.8 U	1.9 U
4-Nitrophenol	100-02-7	NL	NL	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U	1.8 U	2 U	1.8 U	1.9 U
Benzyl alcohol	100-51-6	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	0.85 U	0.19 J	0.91 U	0.91 U	0.16 J	0.98 U	0.11 J	0.25 J	0.11 J	0.14 J
Butyl benzyl phthalate	85-68-7	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Carbazole	86-74-8	NL	NL	0.85 U	0.32 J	0.1 J	0.19 J	1.2	0.98 U	0.91 U	0.25 J	0.91 U	0.94 U
Dibenzofuran	132-64-9	59	350	0.85 U	0.099 J	0.91 U	0.91 U	0.17 J	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Diethyl phthalate	131-11-3	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Dimethyl phthalate	84-66-2	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Di-n-butyl phthalate	84-74-2	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Di-n-octyl phthalate	117-84-0	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Hexachlorobenzene	118-74-1	1.2	6	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Hexachlorobutadiene	87-68-3	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Hexachlorocyclopentadiene	77-47-4	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Hexachloroethane	67-72-1	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Isophorone	78-59-1	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Nitrobenzene	98-95-3	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
N-Nitrosodiphenylamine	86-30-6	NL	NL	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U
Pentachlorophenol	87-86-5	6.7	6.7	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U	1.8 U	2 U	1.8 U	1.9 U
Phenol	108-95-2	100	500	0.85 U	0.93 U	0.91 U	0.91 U	0.92 U	0.98 U	0.91 U	0.98 U	0.91 U	0.94 U

Notes:
NL = Not Listed
NA = Not Applicable
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
mg/Kg = microgram per kilogram
Bold value - compound detected at concentration greater than the Restricted Residential SCO.
Yellow Shading = Compound detected in concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
Data collected by the NYSDEC

Historical Subsurface Soil Results

Ithaca Court Street OU-2
Subsurface Soils
Table 5-2

Sample ID Date Sampled Sample Depth Soil Type	Carbon Number	NYSDEC TAGM 4046 RSCO***	SB-59A 12/19/01 10'-12' Silty Clay	SB-65 12/04/01 8'-12' Silty Clay	SB-66 12/04/01 8'-12' Silty Clay	SB-67 12/04/01 8'-12' Silty Clay	SB-69 12/04/01 8'-12' Silty Clay	SB-71 12/04/01 8'-12' Silty Clay	SB-73 12/04/01 16'-20' Silty Clay	SB-74 12/04/01 8'-12' Silty Clay	SB-75 12/04/01 8'-12' Silty Clay	SB-76 12/04/01 8'-12' Silty Clay	SB-76 12/04/01 16'-20' Silty Clay
Volatiles (BTEX), EPA 8021 (ug/Kg)													
Benzene	6	60	82,000 DV	16	1.1 U	1.2 U	1.1 U	19	12	1.1 U	1.1 U	1.1 U	3.9
Ethylbenzene	7	5,500	320,000 DV	2.3	1.1 U	1.2 U	1.1 U	2,800	160	1.1 U	1.1 U	2.6	74
Toluene	8	1,500	18	1.1 U	1.1 U	1.2 U	1.1 U	41	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
o-Xylene	8	1,200 **	140,000 DV	6.6	1.1 U	1.2 U	1.1 U	1,000	49	1.1 U	1.1 U	1.8	26
m- & p-Xylene	8	1,200 **	170,000 DV	1.1 U	1.1 U	1.2 U	1.1 U	2,300	88	1.1 U	1.1 U	2.7	24
Total BTEX		8,260	712,018 DV	24.9	BDL	BDL	BDL	6,160	309	BDL	BDL	7.1	127.9
Polynuclear Aromatic Hydrocarbons (PAHs), EPA 8270 (ug/Kg)													
Naphthalene	10	13,000	2,000	460 U	450 U	430 U	410 U	9,000 D	480	420 U	420 U	420 U	89 J
2-Methylnaphthalene	11	36,400	1,900	36 J	450 U	430 U	410 U	4,500	440 U	420 U	420 U	420 U	410 U
Acenaphthylene	12	41,000	25 J	460 U	450 U	430 U	410 U	67 J	440 U	420 U	420 U	420 U	410 U
Acenaphthene	12	50,000	780	460 U	450 U	430 U	410 U	1,900	63 J	420 U	420 U	340	420
Fluorene	13	50,000	330 J	460 U	450 U	430 U	410 U	1,000	440 U	420 U	420 U	220 J	220 J
Phenantherene	14	50,000	850	460 U	450 U	430 U	410 U	2,100	440 U	420 U	420 U	160 J	39 J
Anthracene	14	50,000	220 J	460 U	450 U	430 U	410 U	610	440 U	420 U	420 U	420 U	410 U
Fluoranthene	16	50,000	130 J	460 U	450 U	430 U	410 U	440	440 U	420 U	420 U	420 U	410 U
Pyrene	16	50,000	240 J	460 U	450 U	430 U	410 U	640	440 U	420 U	420 U	420 U	410 U
Benzo(a)anthracene	18	224 or MDL	39 J	460 U	450 U	430 U	410 U	140	440 U	420 U	420 U	420 U	410 U
Chrysene	18	400	34 J	460 U	450 U	430 U	410 U	130 J	440 U	420 U	420 U	420 U	410 U
Benzo(b)fluoranthene	20	1,100	420 U	460 U	450 U	430 U	410 U	38 J	440 U	420 U	420 U	420 U	410 U
Benzo(k)fluoranthene	20	1,100	420 U	460 U	450 U	430 U	410 U	43 J	440 U	420 U	420 U	420 U	410 U
Benzo(a)pyrene	20	61 or MDL	420 U	460 U	450 U	430 U	410 U	81 J	440 U	420 U	420 U	420 U	410 U
Indeno(1,2,3-cd)pyrene	22	3,200	420 U	460 UV	450 UV	430 U	410 U	450 U	440 U	420 U	420 U	420 U	410 U
Dibenz(a,h)anthracene	22	14 or MDL	420 U	460 UV	450 UV	430 U	410 U	450 U	440 U	420 U	420 U	420 U	410 U
Benzo(g,h,i)perylene	22	50,000	420 U	460 UV	450 UV	430 UV	410 U	450 U	440 U	420 U	420 U	420 U	410 U
Total PAHs	-	500,000	6,548 J	36 J	BDL	BDL	BDL	20,689 JD	733 J	BDL	BDL	720 J	768 J
Wet Chemistry													
Total Cyanide (mg/Kg)	-	site specific	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UV	1.0 UV	23.4	1.7	1.0 U	1.5	1.0 U
Corrosivity - pH (S.U.)	-	none	NS	6.92	6.86	6.99	6.76	NS	7.37	6.94	6.90	7.13	7.20

*Total for all PCBs
** Total For all Xylenes
***RSCO- Recommended Soil Cleanup Objectives
NS- Not Sampled
BDL- Below Detection Limit of analytical instrument
Bold numbers indicate analyte detected
Shading indicates detected value is greater then NYSDEC RSCO

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit for the sample.
U - The compound was analyzed for but not detected at or above the quantitation limit indicated
V - The reported value is considered estimated due to variance from quality control criteria

Ithaca Court Street OU-2
Subsurface Soils
Table 5-2

Sample ID Date Sampled Sample Depth Soil Type	Carbon Number	NYSDEC TAGM 4046 RSCO***	SB-77 12/04/01 12'-16' Silty Clay	SB-81 12/13/01 8'-12' Silty Clay	SB-82 12/13/01 12'-16' Silty Clay	SB-84 1/30/02 10'-12' Silty Clay	SB-84 1/30/02 14'-16' Silty Clay	SB-85 2/06/02 8'-12' Silty Clay	SB-86 2/06/02 8'-12' Silty Clay	SB-86 2/06/02 16'-20' Silty Clay	SB-87 2/06/02 16'-20' Silty Clay	SB-88 2/07/02 8'-12' Silty Clay	SB-89 2/07/02 12'-16' Silty Clay	SB-90 2/07/02 12'-16' Silty Clay
Volatiles (BTEX), EPA 8021 (ug/Kg)														
Benzene	6	60	1.2 U	1.1 U	1.2 U	4.7	39	1.2 U	19	13 V	1.3 UV	4.6	8.9	1.8
Ethylbenzene	7	5,500	1.2 U	1.1 U	1.2 U	160	160	1.2 U	370	6.3 V	1.3 UV	18	20	3.5
Toluene	8	1,500	1.2 U	1.1 U	1.2 U	15	0.83	1.2 U	13 U	1.1 UV	1.3 UV	9.9	14	7.6
o-Xylene	8	1,200 **	1.2 U	1.1 U	1.2 U	63	57	1.2 U	150	3.4 V	1.3 UV	6.6	9.8	1.8
m- & p-Xylene	8	1,200 **	1.2 U	1.1 U	1.2 U	140	140	1.2 U	150	2.5 V	1.3 UV	15	17	2.4
Total BTEX		8,260	BDL	BDL	BDL	382.7	397	BDL	689	25.2 V	BDL	54.1	69.7	17.1
Polynuclear Aromatic Hydrocarbons (PAHs), EPA 8270 (ug/Kg)														
Naphthalene	10	13,000	420 U	430 U	430 U	50,000 D	14,000 D	420 U	3,200	180 JV	440 U	430 U	470 U	420 U
2-Methylnaphthalene	11	36,400	420 U	430 U	430 U	40,000 D	9,200 D	420 U	2,400	140 JV	440 U	430 U	470 U	420 U
Acenaphthylene	12	41,000	420 U	430 U	430 U	2,000 J	120 J	420 U	470	420 U	440 U	430 U	470 U	420 U
Acenaphthene	12	50,000	420 U	430 U	430 U	12,000	3,200	420 U	1,700	40 J	440 U	430 U	470 U	420 U
Fluorene	13	50,000	420 U	430 U	430 U	6,700	1,400	420 U	1,200	420 U	440 U	430 U	470 U	420 U
Phenantherene	14	50,000	420 U	430 U	430 U	14,000	2,000	420 U	1,900	420 U	440 U	110 J	470 U	420 U
Anthracene	14	50,000	420 U	430 U	430 U	5,000	630	420 U	660	420 U	440 U	430 U	470 U	420 U
Fluoranthene	16	50,000	420 U	430 U	430 U	4,100	480	420 U	810	420 U	440 U	290 J	470 U	420 U
Pyrene	16	50,000	420 U	430 U	430 U	6,900	750	420 U	1,200	420 U	440 U	240 J	470 U	420 U
Benzo(a)anthracene	18	224 or MDL	420 U	430 U	430 U	2,500	350 J	420 U	680	420 U	440 U	180 J	470 U	420 U
Chrysene	18	400	420 U	430 U	430 U	2,300	320 J	420 U	640	420 U	440 U	190 J	470 U	420 U
Benzo(b)fluoranthene	20	1,100	420 U	430 U	430 U	690 J	230 J	420 U	450	420 U	440 U	330 J	470 U	420 U
Benzo(k)fluoranthene	20	1,100	420 U	430 U	430 U	940 J	440 U	420 U	390 J	420 U	440 U	210 J	470 U	420 U
Benzo(a)pyrene	20	61 or MDL	420 U	430 U	430 U	1,600 J	230 J	420 U	860	420 U	440 U	210 J	470 U	420 U
Indeno(1,2,3-cd)pyrene	22	3,200	420 U	430 U	430 U	470 J	66 J	420 U	310 J	420 U	440 U	200 J	470 U	420 U
Dibenz(a,h)anthracene	22	14 or MDL	420 U	430 U	430 U	230 J	32 J	420 U	150 J	420 U	440 U	67 J	470 U	420 U
Benzo(g,h,i)perylene	22	50,000	420 U	430 U	430 U	570 J	81 J	420 U	350 J	420 U	440 U	200 J	470 U	420 U
Total PAHs	-	500,000	BDL	BDL	BDL	150,000 JD	33,529 JD	BDL	17,370 J	360 JV	BDL	2,227 J	BDL	BDL
Wet Chemistry														
Total Cyanide (mg/Kg)	-	site specific	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Corrosivity - pH (S.U.)	-	none	7.53	7.03	6.56	6.94	7.04	6.85	6.63	7.03	7.06	7.01	7.25	7.03

*Total for all PCBs
** Total For all Xylenes
***RSCO- Recommended Soil Cleanup Objectives
NS- Not Sampled
BDL- Below Detection Limit of analytical instrument
Bold numbers indicate analyte detected
Shading indicates detected value is greater then NYSDEC RSCO

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit for the sample.
U - The compound was analyzed for but not detected at or above the quantitation limit indicated
V - The reported value is considered estimated due to variance from quality control criteria

Ithaca Court Street OU-2
Subsurface Soils
Table 5-2

Sample ID Date Sampled Sample Depth Soil Type	Carbon Number	NYSDEC TAGM 4046 RSCO***	SB-91 2/07/02 12'-16' Silty Clay	SB-92 2/07/02 8'-12' Silty Clay	SB-93 2/07/02 4'-8' Silty Clay	SB-94 2/07/02 8'-12' Silty Clay	SB-95 2/08/02 12'-16' Silty Clay	SB-96 2/08/02 4'-8' Sand Gravel	SB-97 2/13/02 8'-12' Silty Clay	SB-98 2/13/02 12'-16' Silty Clay	SB-99 2/13/02 8'-12' Silty Clay	609 C 10/23/01 4'-8' Sand	609D 10/23/01 4'-8' Silty Clay	609 D Side 10/23/01 4'-8' Silty Clay
Volatiles (BTEX), EPA 8021 (ug/Kg)														
Benzene	6	60	600	3.6	9.0	200	150	1.1 U	1.1 U	1.2 U	1.3	1.1 U	6.0	NS
Ethylbenzene	7	5,500	1,500	12	29	16,000 D	14,000	4.3	1.1 U	1.2 U	3.3	1.1 U	91	NS
Toluene	8	1,500	70	17	25	2,600 D	2,300	1.1 U	6.6	12	9.0	1.1 U	21	NS
o-Xylene	8	1,200 '	460	5.1	8.5	7,700 D	6,400	1.3	1.1 U	1.2 U	7.4	1.1 U	85	NS
m- & p-Xylene	8	1,200 '	1,400	9.3	15	15,000 D	13,000	1.2	1.1 U	1.2 U	4.6	1.1 U	130	NS
Total BTEX		8,260	4,030	47	86.5	41,500 D	35,850	6.8	6.6	12	25.6	BDL	333	NS
Polynuclear Aromatic Hydrocarbons (PAHs), EPA 8270 (ug/Kg)														
Naphthalene	10	13,000	3,900	38 J	2,900	24,000 D	3,600	150 J	590 U	600 U	640 J	4,500 J	NS	40,000 J
2-Methylnaphthalene	11	36,400	3,700	410 U	1,500	18,000 D	3,400	2,400 U	590 U	600 U	620 J	16,000 U	NS	11,000 J
Acenaphthylene	12	41,000	190 J	410 U	360 U	3,100	87 J	1,000	590 U	600 U	170 J	7,600 J	NS	70,000 J
Acenaphthene	12	50,000	1,600	410 U	640	3,300	1,900	2,400 U	50 J	600 U	3,300	16,000 U	NS	29,000 J
Fluorene	13	50,000	1,100	410 U	110 J	2,800	1,100	2,400 U	590 U	600 U	880	3,400 J	NS	150,000
Phenantherene	14	50,000	2,200	410 U	31 J	6,000	2,500	2,400 U	590 U	600 U	1,200	36,000	NS	570,000
Anthracene	14	50,000	780	410 U	360 U	2,200	820	2,400 U	590 U	600 U	380 J	21,000	NS	150,000
Fluoranthene	16	50,000	670 J	410 U	360 U	1,800	530	290 J	590 U	600 U	450 J	66,000	NS	380,000
Pyrene	16	50,000	870	410 U	360 U	2,500	770	770	590 U	600 U	750	81,000	NS	420,000
Benzo(a)anthracene	18	224 or MDL	290 J	410 U	360 U	1,100	230 J	1,200	590 U	600 U	350 J	48,000	NS	220,000
Chrysene	18	400	250 J	410 U	360 U	990	210 J	1,400	590 U	600 U	330 J	43,000	NS	180,000
Benzo(b)fluoranthene	20	1,100	170 J	410 U	360 U	350 J	67 J	1,700	590 U	600 U	110 J	33,000	NS	100,000
Benzo(k)fluoranthene	20	1,100	470 U	410 U	360 U	370 J	62 J	1,400	590 U	600 U	160 J	32,000	NS	140,000
Benzo(a)pyrene	20	61 or MDL	170 J	410 U	360 U	730	140 J	3,100	590 U	600 U	160 J	43,000	NS	180,000
Indeno(1,2,3-cd)pyrene	22	3,200	40 J	410 U	360 U	210 J	34 J	1,200	590 U	600 U	65 J	25,000	NS	85,000
Dibenz(a,h)anthracene	22	14 or MDL	470 U	410 U	360 U	120 J	430 U	640	590 U	600 U	660 U	12,000 J	NS	35,000 J
Benzo(g,h,i)perylene	22	50,000	44 J	410 U	360 U	220 J	37 J	1,300	590 U	600 U	72 J	19,000	NS	68,000 J
Total PAHs	-	500,000	15,974 J	38 J	5,181 J	67,790 JD	15,487 J	14,150 J	50 J	BDL	9,637 J	474,500 J	NS	2,838,000 J
Wet Chemistry														
Total Cyanide (mg/Kg)	-	site specific	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UV	1.0 UV	1.0 UV	1.0 UV	1.0 UV	NS	NS	NS
Corrosivity - pH (S.U.)	-	none	7.22	7.07	7.16	7.04	7.31	6.72	6.95	7.31	7.16	NS	NS	NS

*Total for all PCBs
** Total For all Xylenes
***RSCO- Recommended Soil Cleanup Objectives
NS- Not Sampled
BDL- Below Detection Limit of analytical instrument
Bold numbers indicate analyte detected
Shading indicates detected value is greater then NYSDEC RSCO

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit for the sample.
U - The compound was analyzed for but not detected at or above the quantitation limit indicated
V - The reported value is considered estimated due to variance from quality control criteria

Ithaca Court Street OU-2
Subsurface Soils
Table 5-2

Sample ID Date Sampled Sample Depth Soil Type	Carbon Number	NYSDEC TAGM 4046 RSCO***	609 E 10/23/01 4'-8' Silty Clay	609 E Below Contact 4'-8' Silty Clay	422 A 10/24/01 4'-8' Silty Clay	422 D 10/24/01 4'-8' Silty Clay	HP-23 12/13/01 8'-12' Silty Clay	HP-24 12/13/01 8'-12' Silty Clay	HP-25 12/13/01 8'-12' Silty Clay	MW-14 12/17/01 8'-10' Silty Clay	MW-14D 12/20/01 22'-24' Sand	MW-15D 1/22/02 34'-36' Silty Clay	MW-16S 1/21/02 12'-14' Silty Clay	MW-17D 1/29/02 8'-10' Silty Clay
Volatiles (BTEX), EPA 8021 (ug/Kg)														
Benzene	6	60	NS	**5.5**	1.3 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.4 U	1.4 U	2,000	1.3 U
Ethylbenzene	7	5,500	NS	**20**	1.3 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.4 U	1.4 U	2,900	1.3 U
Toluene	8	1,500	NS	**31**	1.3 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.4 U	1.4 U	**170**	1.3 U
o-Xylene	8	1,200 **	NS	**32**	1.3 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.4 U	1.4 U	**1,000**	1.3 U
m- & p-Xylene	8	1,200 **	NS	**81**	1.3 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.4 U	1.4 U	2,600	1.3 U
Total BTEX		8,260	NS	**169.5**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8,670	BDL
Polynuclear Aromatic Hydrocarbons (PAHs), EPA 8270 (ug/Kg)														
Naphthalene	10	13,000	**820**	NS	410 U	440 U	**44 J**	440 U	410 U	390 U	430 U	2,600 U	**6,200**	400 U
2-Methylnaphthalene	11	36,400	**240 J**	NS	410 U	440 U	420 U	440 U	410 U	390 U	430 U	2,600 U	**3,800**	400 U
Acenaphthylene	12	41,000	**150 J**	NS	410 U	**20 J**	420 U	440 U	410 U	390 U	430 U	2,600 U	**50 J**	400 U
Acenaphthene	12	50,000	**250 J**	NS	410 U	440 U	420 U	440 U	410 U	390 U	430 U	2,600 U	**1,800**	400 U
Fluorene	13	50,000	**280 J**	NS	410 U	440 U	420 U	440 U	410 U	390 U	430 U	2,600 U	**540**	400 U
Phenantherene	14	50,000	**840**	NS	410 U	**51 J**	420 U	440 U	410 U	390 U	430 U	2,600 U	**1,100**	400 U
Anthracene	14	50,000	**510**	NS	410 U	**35 J**	420 U	440 U	410 U	390 U	430 U	2,600 U	**290 J**	400 U
Fluoranthene	16	50,000	**670**	NS	410 U	**170 J**	420 U	440 U	410 U	390 U	430 U	2,600 U	**110 J**	400 U
Pyrene	16	50,000	**490**	NS	410 U	**120 J**	420 U	440 U	410 U	390 U	430 U	2,600 U	**160 J**	400 U
Benzo(a)anthracene	18	224 or MDL	**280 J**	NS	410 U	**95 J**	420 U	440 U	410 U	390 U	430 U	2,600 U	**61 J**	400 U
Chrysene	18	400	**260 J**	NS	410 U	**91 J**	420 U	440 U	410 U	390 U	430 U	2,600 U	**61 J**	400 U
Benzo(b)fluoranthene	20	1,100	**160 J**	NS	410 U	**63 J**	420 U	440 U	410 U	390 U	430 U	2,600 U	430 U	400 U
Benzo(k)fluoranthene	20	1,100	**220 J**	NS	410 U	**81 J**	420 U	440 U	410 U	390 U	430 U	2,600 UV	430 U	400 U
Benzo(a)pyrene	20	61 or MDL	**230 J**	NS	410 U	**78 J**	420 U	440 U	410 U	390 U	430 U	2,600 U	**40 J**	400 U
Benzo(g,h,i)perylene	22	50,000	**100 J**	NS	410 U	440 U	420 U	440 U	410 U	390 U	430 U	2,600 U	430 U	400 U
Indeno(1,2,3-cd)pyrene	22	3,200	**100 J**	NS	410 U	440 U	420 U	440 U	410 U	390 U	430 U	2,600 U	430 U	400 U
Dibenz(a,h)anthracene	22	14 or MDL	**32 J**	NS	410 U	440 U	420 U	440 U	410 U	390 U	430 U	2,600 U	430 U	400 U
Total PAHs	-	500,000	**5,632 J**	NS	BDL	**804 J**	**44 J**	BDL	BDL	BDL	BDL	BDL	**14,212 J**	BDL
Wet Chemistry														
Total Cyanide (mg/Kg)	-	site specific	NS	NS	NS	NS	NS	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UV
Corrosivity - pH (S.U.)	-	none	**6.75**	NS	NS	NS	NS	NS	NS	**6.67**	NS	**7.76**	**7.01**	**7.23**

*Total for all PCBs
** Total For all Xylenes
***RSCO- Recommended Soil Cleanup Objectives
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Bold numbers indicate analyte detected
Shading indicates detected value is greater then NYSDEC RSCO

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U - The compound was analyzed for but not detected at or above the quantitation limit indicated

Ithaca Court Street OU-2
Subsurface Soils
Table 5-2

Sample ID Date Sampled Sample Depth Soil Type	Carbon Number	NYSDEC TAGM 4046 RSCO***	MW-17D 1/29/02 30'-32' Silty Clay	HP-16 11/12/02 12'-16' Silty Clay	HP-18 11/13/02 8'-12' Silty Clay	HP-19 11/13/02 12'-16' Silty Clay	MW-18D 1/24/02 6'-8' Silty Clay	MW-18D 1/24/02 30'-32' Silty Clay	MW-19D 1/22/02 4'-6' Silty Sand	MW-19D 1/22/02 30'-32' Sand	MW-21D 1/28/02 28'-30' Silty Clay	MW-22D 2/27/02 4'-6' Silty Sand	MW-22D 2/27/02 26'-28' Clay Sand	MW-23D 2/27/02 24'-26' Sand
Volatiles (BTEX), EPA 8021 (ug/Kg)														
Benzene	6	60	1.4 U	1.4 U	1.2 U	90	5.5	1.3 U	1.2 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
Ethylbenzene	7	5,500	1.4 U	1.4 U	1.2 U	840	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
Toluene	8	1,500	1.4 U	1.4 U	1.8	13 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
o-Xylene	8	1,200 *	1.4 U	1.4 U	1.2 U	280	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
m- & p-Xylene	8	1,200 *	1.4 U	1.4 U	1.2 U	540	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
Total BTEX		8,260	BDL	BDL	1.8	1,750	5.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Polynuclear Aromatic Hydrocarbons (PAHs), EPA 8270 (ug/Kg)														
Naphthalene	10	13,000	410 U	470 UV	410 U	3,400	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
2-Methylnaphthalene	11	36,400	410 U	470 UV	410 U	2,400	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Acenaphthylene	12	41,000	410 U	470 UV	410 U	430 U	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Acenaphthene	12	50,000	410 U	470 UV	410 U	1,000	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Fluorene	13	50,000	410 U	470 UV	410 U	360 J	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Phenantherene	14	50,000	410 U	470 UV	410 U	740	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Anthracene	14	50,000	410 U	470 UV	410 U	170 J	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Fluoranthene	16	50,000	410 U	470 UV	410 U	59 J	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Pyrene	16	50,000	410 U	470 UV	410 U	100 J	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Benzo(a)anthracene	18	224 or MDL	410 U	470 UV	410 U	430 U	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Chrysene	18	400	410 U	470 UV	410 U	430 U	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Benzo(b)fluoranthene	20	1,100	410 U	470 UV	410 U	430 U	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Benzo(k)fluoranthene	20	1,100	410 U	470 UV	410 U	430 U	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Benzo(a)pyrene	20	61 or MDL	410 U	470 UV	410 U	430 U	410 U	470 U	400 UV	2,500 UV	400 U	420 U	460 U	470 U
Indeno(1,2,3-cd)pyrene	22	3,200	410 U	470 UV	410 U	350 J	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Dibenz(a,h)anthracene	22	14 or MDL	410 U	470 UV	410 U	430 U	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Benzo(g,h,i)perylene	22	50,000	410 U	470 UV	410 U	430 U	410 U	470 U	400 U	2,500 U	400 U	420 U	460 U	470 U
Total PAHs	-	500,000	BDL	BDL	BDL	8,579	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Wet Chemistry														
Total Cyanide (mg/Kg)	-	site specific	1.0 UV	1.0 U	1.0 U	1.0 U	1.0 UV	1.6 V	1.0 U	1.0 U	1.0 UV	1.0 UV	1.0 UV	1.0 UV
Corrosivity - pH (S.U.)	-	none	7.63	7.14	6.74	NS	7.13	7.62	7.25	7.39	7.69	7.57	7.44	7.23

*Total for all PCBs
** Total For all Xylenes
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TABLE 1A
ITHACA COURT STREET
VALIDATED SOIL SAMPLE RESULTS
PHASE II OU-2

Sample ID	NYSDEC	HP-35	HP-36	HP-37	HP-38	HP-40	HP-41	HP-4100	HP-42	MW-25S	MW-26S	MW-27S	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-33S	MW-34S	MW-35S	MW-3500	SB-107	SB-110	SB-112
Depth	Rec. Soil Cleanup	4-8	8-12	4-8	8-12	4-8	4-8	4-8	4-8	6-8	4-6	8-10	15-20	5-10	3-5	4-6	6-8	5-10	6-8	6-8	6-8	6-8	5-10	8-10
Date Sampled	Objectives	03/23/04	03/24/04	03/22/04	03/23/04	03/22/04	03/24/04	03/24/04	03/25/04	03/24/04	03/23/04	06/03/04	03/30/04	03/30/04	03/30/04	03/23/04	03/23/04	03/30/04	03/24/04	03/24/04	03/24/04	06/03/04	03/30/04	06/03/04
NYSDEC - ASP98 - METHOD 8260 VOLATILES - S (SOIL) UG/KG																								
1,1,1-Trichloroethane	800	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,1,2,2-Tetrachloroethane	600	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,1,2-Trichloro-1,2,2-trifluoroethane	6,000	12 UV	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 UV	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,1,2-Trichloroethane	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,1-Dichloroethane	200	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,1-Dichloroethene	400	12 UV	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 UV	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,2,4-Trichlorobenzene	3,400	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,2-Dibromo-3-chloropropane	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,2-Dibromoethane	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,2-Dichlorobenzene	7,900	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,2-Dichloroethane	100	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,2-Dichloropropane	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,3-Dichlorobenzene	1,600	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
1,4-Dichlorobenzene	8,500	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
2-Butanone	300	12 U	10 U	12 U	**5 JS**	12 U	13 U	12 U	36 UV	**20**	12 U	**4 S**	**8 JS**	**4 JS**	**7 JS**	12 U	13 U	13 U	12 U	**4 JS**	12 U	15 U	13 U	12 U
2-Hexanone	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
4-Methyl-2-pentanone	1,000	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Acetone	200	26 U	23 U	28 U	28 U	28 U	29 U	28 U	81 UV	**65**	28 U	12 U	**30 S**	29 U	**35 S**	28 U	30 U	29 U	27 U	27 U	28 U	15 U	29 U	12 U
Bromodichloromethane	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Bromoform	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Bromomethane	NA	12 UV	10 U	12 U	13 UV	12 U	13 U	12 U	36 UV	15 U	12 UV	12 U	12 U	13 U	14 U	12 U	13 UV	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Carbon Disulfide	2,700	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Carbon Tetrachloride	600	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Chlorobenzene	1,700	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Chloroethane	1,900	12 UV	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 UV	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Chloroform	300	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Chloromethane	NA	12 UV	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 UV	13 U	12 U	12 U	12 U	15 U	13 U	12 U
cis-1,2-Dichloroethene	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
cis-1,3-Dichloropropene	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Cyclohexane	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Dibromochloromethane	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Dichlorodifluoromethane	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Isopropylbenzene	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Methyl acetate	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Methyl tert butyl ether	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Methylcyclohexane	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Methylene chloride	100	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Styrene	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Tetrachloroethene	1,400	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
trans-1,2-Dichloroethene	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
trans-1,3-Dichloropropene	NA	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Trichloroethene	700	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Trichlorofluoromethane	NA	12 UV	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 UV	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Vinyl chloride	200	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Benzene	60	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Toluene	1,500	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Ethylbenzene	5,500	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
Xylenes, Total	1,200	12 U	10 U	12 U	13 U	12 U	13 U	12 U	36 UV	15 U	12 U	12 U	12 U	13 U	14 U	12 U	13 U	13 U	12 U	12 U	12 U	15 U	13 U	12 U
TOTAL VOCs	-	BDL	BDL	BDL	**5 JS**	BDL	BDL	BDL	BDL	**85 S**	BDL	**4 S**	**38 JS**	**4 JS**	**42 JS**	BDL	BDL	BDL	BDL	**4 JS**	BDL	BDL	BDL	BDL
TOTAL BTEX	-	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
TOTAL TICs	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7 J	ND	ND	11 J	ND	ND	ND	ND	ND	ND

S- Suspected laboratory contaminant
- Laboratory analysis not requested
U-The compound was analyzed for but not detected at or above the quantitation limit indicated
J- Estimated value
BDL- Bellow Detection Limits
Bold- Analyte detected in laboratory analysis
Shading indicates the value exceeds NYSDEC RSCOs

TABLE 1B
ITHACA COURT STREET
VALIDATED SOIL SAMPLE RESULTS
PHASE II OU-2

Sample ID	NYSDEC	HP-35	HP-36	HP-3600	HP-37	HP-38	HP-40	HP-41	HP-4100	HP-42	MW-25S	MW-2500	MW-26S	MW-27	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-33S	MW-34	MW-35S	MW-3500	SB-107	SB-108	SB-10800	SB-110	SB-112
Depth	Rec. Soil Cleanup	4-8	8-12	8-12	4-8	8-12	4-8	4-8	4-8	4-8	6-8	6-8	4-6	8-10	15-20	5-10	3-5	4-6	6-8	5-10	6-8	6-8	6-8	6-8	10-15	10-15	5-10	8-10
Date Sampled	Objectives	3/23/2004	3/24/2004	3/24/2004	3/22/2004	3/23/2004	3/22/2004	3/24/2004	3/24/2004	3/25/2004	3/24/2004	3/24/2004	3/23/2004	6/3/2004	3/30/2004	3/30/2004	3/30/2004	3/23/2004	3/23/2004	3/30/2004	3/24/2004	3/24/2004	3/24/2004	6/3/2004	3/30/2004	3/30/2004	3/30/2004	6/3/2004
MW91 - ASP98: METHOD 8270 SEMIVOLATILES - S (SOIL) UG/KG																												
2,2'-Oxybis(1-Chloropropane)	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
2,4,5-Trichlorophenol	100	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
2,4,6-Trichlorophenol	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
2,4-Dichlorophenol	400	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
2,4-Dimethylphenol	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
2,4-Dinitrophenol	200	-	910 U	860 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000 U	1000 U	-	1000 U	1000 U	-	-
2,4-Dinitrotoluene	100	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
2,6-Dinitrotoluene	1,000	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
2-Chloronaphthalene	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
2-Chlorophenol	800	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
2-Methylphenol	900	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
2-Nitroaniline	430	-	910 U	860 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000 U	1000 U	-	1000 U	1000 U	-	-
2-Nitrophenol	330	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
3,3'-Dichlorobenzidine	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
3-Nitroaniline	500	-	910 U	860 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000 U	1000 U	-	1000 U	1000 U	-	-
4,6-Dinitro-2-methylphenol	NA	-	910 U	860 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000 U	1000 U	-	1000 U	1000 U	-	-
4-Bromophenyl phenyl ether	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
4-Chloro-3-methylphenol	240	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
4-Chloroaniline	220	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
4-Chlorophenyl phenyl ether	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
4-Methylphenol	900	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
4-Nitroaniline	500	-	910 U	860 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000 U	1000 U	-	1000 U	1000 U	-	-
Acetophenone	NA	-	750 U	710 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	840 U	860 U	-	840 U	820 U	-	-
4-Nitrophenol	100	-	910 U	860 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000 U	1000 U	-	1000 U	1000 U	-	-
Atrazine	NA	-	750 UV	710 UV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	840 UV	860 UV	-	840 UV	820 U	-	-
Benzaldehyde	NA	-	750 U	710 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	840 U	860 U	-	840 U	820 U	-	-
Biphenyl	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Bis(2-chloroethoxy) methane	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Bis(2-chloroethyl) ether	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Bis(2-ethylhexyl) phthalate	50,000	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Butyl benzyl phthalate	50,000	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Caprolactam	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Carbazole	NA	-	380 U	**16 J**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Di-n-butyl phthalate	8,100	-	380 U	**11 J**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**24 J**	430 U	-	420 U	410 U	-	-
Di-n-octyl phthalate	50,000	-	380 U	**10 J**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Dibenzofuran	6,200	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Diethyl phthalate	7,100	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Dimethyl phthalate	2,000	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Hexachlorobenzene	410	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Hexachlorobutadiene	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Hexachlorocyclopentadiene	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Hexachloroethane	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Isophorone	4,400	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
N-Nitroso-Di-n-propylamine	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
N-nitrosodiphenylamine	NA	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Nitrobenzene	200	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
Pentachlorophenol	1,000	-	910 U	860 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000 U	1000 U	-	1000 U	1000 U	-	-
Phenol	30	-	380 U	350 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420 U	430 U	-	420 U	410 U	-	-
2-Methylnaphthalene	36,400	390 U	380 U	350 U	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	**220 J**	**72 J**	400 U	420 U
Acenaphthene	50,000	**53 J**	380 U	350 U	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	**120 J**	**45 J**	400 U	420 U
Acenaphthylene	41,000	**17 J**	380 U	350 U	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Anthracene	50,000	390 U	380 U	**14 J**	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Benzo(a)anthracene	224 or MDL	390 U	**15 J**	**120 J**	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Benzo(a)pyrene	61 or MDL	390 U	**11 J**	**[illegible]**	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Benzo(b)fluoranthene	11,000	390 U	**24 J**	**180 J**	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Benzo(ghi)perylene	50,000	390 U	380 U	**47 J**	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Benzo(k)fluoranthene	1,100	390 U	380 U	**90 J**	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Chrysene	400	390 U	**17 J**	**140 J**	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Dibenzo(a,h)anthracene	14 or MDL	390 U	380 U	**[illegible]**	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Fluoranthene	50,000	390 U	38 J	**260 J**	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Fluorene	50,000	390 U	380 U	350 U	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Indeno(1,2,3-cd)pyrene	3,200	390 U	380 U	**50 J**	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Naphthalene	13,000	390 U	380 U	350 U	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	**4300 D**	**1800**	400 U	420 U
Phenanthrene	50,000	390 U	**20 J**	**87 J**	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	**11 J**	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
Pyrene	50,000	390 U	**30 J**	**180 J**	400 U	490 U	430 U	410 U	410 U	430 U	440 U	490 U	400 U	470 U	450 U	440 U	420 U	480 U	410 U	420 U	470 U	420 U	430 U	400 U	420 U	410 U	400 U	420 U
TOTAL SVOCs	-	-	**117 J**	**1351 J**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**24 J**	BDL	-	**5480 JD**	**1917 J**	-	-
TOTAL PAHs	-	**70 J**	**117 J**	**1314 J**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**11 J**	BDL	BDL	BDL	BDL	BDL	**4640 JD**	**1917 J**	BDL	BDL
SVOC TICs																												
Indane	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1400 JN**	**640 JN**	ND	ND
Indene	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total TICs	-	**1632 JN**	**2092 JN**	**3642 JN**	**10165 JN**	**2030 JN**	**6481 JN**	**418 JN**	**336 JN**	**100 J**	**329 JN**	**400 JN**	**2008 JN**	ND	**620 J**	ND	ND	**2118 JN**	**277 J**	ND	**550 JN**	**100 J**	**89 J**	ND	**350 JN**	**640 JN**	ND	ND
Total Alkanes	-	ND	**747 J**	**794 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**312 J**	ND	ND	ND	ND	ND	ND	ND
WET CHEMISTRY ANALYSIS (SOIL) UNITS																												
Cyanide - Total	-	3759 U	4434 U	-	4535 U	4750 U	5222 U	4175 U	4938 U	4843 U	5484 U	-	3003 U	-	5319 U	5236 U	5012 U	3205 U	4988 U	4975 U	3968 U	4090 U	4914 U	-	4950 U	-	4728 U	-
Leachable pH	-	6.94	8.22	10.0	7.16	6.67	7.01	7.03	6.99	6.23	6.92	7.24	7.29	-	6.96	7.18	7.82	7.17	7.15	6.55	6.86	7.12	7.07	-	6.76	6.71	7.22	-

S- Suspected laboratory contaminant
- Laboratory analysis not requested
U-The compound was analyzed for but not detected at or above the quantitation limit indicated
J-Estimated value
BDL- Bellow Detection Limits
Bold- Analyte detected in laboratory analysis
Shading indicates the value exceeds NYSDEC RSCOs

Historical Groundwater Results

Ithaca Court Street OU-2
Table 5-3
Groundwater Results

Sample Location Date Sampled	Carbon Number	NYS GW Standard or GV	MW-13S 3/27/02	MW-13D 3/27/02	MW-14S 3/22/02	MW-14D 3/22/02	MW-15S 3/25/02	MW-15D 3/25/02	MW-16S 3/25/02	MW-17S 3/25/02	MW-17D 3/25/02	MW-18S 3/22/02	MW-18D 3/22/02
Volatiles (BTEX), EPA Method 8021 (ug/L)													
Benzene	6	1	0.20 U	0.20 U	0.20 U	0.20 U	**37**	0.20 U	**5,900**	0.20 U	0.20 U	0.20 U	0.20 U
Ethylbenzene	7	5	0.20 U	0.20 U	0.20 U	0.20 U	**48**	**0.22**	**5,400**	0.20 U	0.20 U	0.20 U	0.20 U
Tolulene	8	5	**0.24**	0.20 U	0.20 U	0.20 U	**7.5**	0.20 U	**5,400**	0.20 U	0.20 U	0.20 U	0.20 U
o-Xylene	8	5*	0.20 U	0.20 U	0.20 U	0.20 U	**32**	0.20 U	**2,400**	0.20 U	0.20 U	0.20 U	0.20 U
m- & p-Xylene	8	5*	0.20 U	0.20 U	0.20 U	0.20 U	**39**	**0.24**	**4,900**	0.20 U	0.20 U	0.20 U	0.20 U
Total BTEX	-	-	**0.24**	BDL	BDL	BDL	**163.5**	**0.46**	**24,000**	BDL	BDL	BDL	BDL
Polycylic Aromatic Hydrocarbons (PAHs), EPA Method 8270 (ug/L)													
Naphthalene	10	10 (GV)	10 U	10 U	10 U	10 U	**12**	**0.7 J**	**6700 D**	**0.8 J**	**0.8 J**	10 U	10 U
2-Methylnaphthalene	11	none	10 U	10 U	10 U	10 U	**11**	10 U	**530**	10 U	10 U	10 U	10 U
Acenaphthylene	12	none	10 U	10 U	10 U	10 U	**48**	10 U	**73**	10 U	10 U	10 U	10 U
Acenaphthene	12	20 (GV)	10 U	10 U	10 U	10 U	**40**	10 U	**52**	10 U	10 U	10 U	10 U
Fluorene	13	50 (GV)	10 U	10 U	10 U	10 U	**20**	10 U	**7 J**	10 U	10 U	10 U	10 U
Phenanthrene	14	50 (GV)	10 U	10 U	10 U	10 U	**17**	10 U	**6 J**	10 U	10 U	10 U	10 U
Anthracene	14	50 (GV)	10 U	10 U	10 U	10 U	**8 J**	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	16	50 (GV)	10 U	10 U	10 U	10 U	**18**	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	16	50 (GV)	10 U	10 U	**0.9 J**	10 U	**21**	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	18	0.002 (GV)	10 U	10 U	10 U	10 U	**15**	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	18	0.002 (GV)	10 U	10 U	10 U	10 U	**14**	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	20	0.002 (GV)	10 U	10 U	10 U	10 U	**6 J**	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	20	0.002 (GV)	10 U	10 U	10 U	10 U	**7 J**	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	20	non-detect	10 U	10 U	10 U	10 U	**11**	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	22	none	10 U	10 U	10 U	10 U	**4 J**	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	22	none	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	22	0.002 (GV)	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs	-	-	BDL	BDL	**0.9 J**	BDL	**255 J**	**0.7 J**	**7100 D**	**0.8 J**	**0.8 J**	BDL	BDL
Total Cyanide, EPA Method 9014 (ug/L)													
Cyanide	-	200	10 U	10 U	10 U	10 U	**30**	10 U	10 U	10 U	10 U	10 U	10 U

*Sum of all Xylenes
BDL- Below Detection Limit of analytical instrument
GV- Guidance Value
Bold numbers indicate analyte detected
Shading indicates detected value is greater then NYS Standard or Guidance Value

J- The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit for the sample.
U- The compound was analyzed for but not detected at or above the quantitation limit indicated

Ithaca Court Street OU-2
Table 5-3
Groundwater Results

Sample Location Date Sampled	Carbon Number	NYS GW Standard or GV	MW-19D 3/22/02	MW-20S 3/22/02	MW-20D 3/22/02	MW-21S 3/22/02	MW-21D 3/22/02	MW-22S 3/22/02	MW-22D 3/22/02	MW-23S 3/25/02	MW-23D 3/25/02	MW-24S 3/25/02	MW-24D 3/25/02
Volatiles (BTEX), EPA Method 8021 (ug/L)													
Benzene	6	1	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**2.5**	0.20 U	0.20 U	0.20 U
Ethylbenzene	7	5	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**110**	0.20 U	**0.41**	0.20 U
Tolulene	8	5	0.20 U	0.20 U	0.20 U	**0.44**	0.20 U	**0.27**	**0.27**	**3.2**	0.20 U	**0.41**	0.20 U
o-xylene	8	5*	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.28**	0.20 U	**47**	0.20 U	**0.70**	0.20 U
m- & p-Xylene	8	5*	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.30**	0.20 U	**20**	0.20 U	**0.69**	0.20 U
Total BTEX	-	-	BDL	BDL	BDL	**0.44**	BDL	**0.85**	**0.27**	**182.7**	BDL	**2.21**	BDL
Polycylic Aromatic Hydrocarbons (PAHs), EPA Method 8270 (ug/L)													
Naphthalene	10	10 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**74**	10 U	10 U	10 U
2-Methylnaphthalene	11	none	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	7 J	10 U	10 U	10 U
Acenaphthylene	12	none	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**37**	10 U	10 U	10 U
Acenaphthene	12	20 (GV)	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	**60**	10 U	10 U	10 U
Fluorene	13	50 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**12**	10 U	10 U	10 U
Phenanthrene	14	50 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**7 J**	10 U	10 U	10 U
Anthracene	14	50 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U
Fluoranthene	16	50 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**8 J**	10 U	10 U	10 U
Pyrene	16	50 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**11**	10 U	10 U	10 U
Benzo(a)anthracene	18	0.002 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U
Chrysene	18	0.002 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U
Benzo(b)fluoranthene	20	0.002 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U
Benzo(k)fluoranthene	20	0.002 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	20	non-detect	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U
Benzo(g,h,i)perylene	22	none	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	22	none	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	22	0.002 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs	-	-	BDL	BDL	BDL	BDL	BDL	**2 J**	BDL	**231 J**	BDL	BDL	BDL
Total Cyanide, EPA Method 9014 (ug/L)													
Cyanide	-	200	10 U	10 U	10 U	10 U	10 U	**47**	10 U	**11**	10 U	10 U	10 U

*Sum of all Xylenes
BDL- Below Detection Limit of analytical instrument
GV- Guidance Value
NS- No Sample Collected
Bold numbers indicate analyte detected
Shading indicates detected value is greater then NYS Standard or Guidance Value

J- The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit for the sample.
U- The compound was analyzed for but not detected at or above the quantitation limit indicated

Ithaca Court Street OU-2
Table 5-4
Hydropunch Results

Sample Location Date Sampled	Carbon Number	NYS Std or GV	HP-1 10/25/01	HP-1 Filtered	HP-3 10/26/01	HP-3 Diluted	HP-5 10/29/01	HP-5 Filtered	HP-6 12/12/01	HP-6 Filtered	HP-7 10/30/01	HP-7 Filtered	HP-8 10/30/01	HP-8 Filtered
Volatiles (BTEX), EPA Method 8021 (ug/L)														
Benzene	6	1	**0.72**	-	**6.1**	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-
Ethylbenzene	7	5	0.20 U	-	**31**	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-
Toluene	8	5	0.20 U	-	**3.1**	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-
o-xylene	8	5*	**0.99**	-	**11**	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-
m-xylene	8	5*	**0.44**	-	**20**	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-
p-xylene	8	5*	0.20 U	-	0.4 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-
Total BTEX	-	-	**2.15**	-	**71.2**	-	BDL	-	BDL	-	BDL	-	BDL	-
Polycylic Aromatic Hydrocarbons (PAHs), EPA Method 8270 (ug/L)														
Naphthalene	10	10 (GV)	**0.6 J**	**0.8 J**	**920 E**	**1,500 D**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	11	none	10 U	10 U	**370 E**	**430 D**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	12	none	**0.5 J**	**0.7 J**	**5 J**	**190 D**	**0.9 J**	10 U	10 U	10 U	0.5 J	10 U	10 U	10 U
Acenaphthene	12	20 (GV)	**1.0 J**	**2.0 J**	**99**	**130**	**0.5 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	13	50 (GV)	10 U	10 U	**75**	**69 D**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenantherene	14	50 (GV)	10 U	**0.9 J**	**99**	**110 D**	**1 J**	10 U	10 U	10 U	0.8 J	10 U	10 U	10 U
Anthracene	14	50 (GV)	10 U	10 U	**27**	**20 D**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	16	50 (GV)	10 U	**0.8 J**	**18**	**12**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	16	50 (GV)	10 U	**0.6 J**	**28**	**21 D**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo{a}anthracene	18	0.002 (GV)	10 U	10 U	**6 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	18	0.002 (GV)	10 U	10 U	**5 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo{b}fluoranthene	20	0.002 (GV)	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo{k}fluoranthene	20	0.002 (GV)	10 U	**0.5 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo{a}pyrene	20	non-detect	10 U	**0.5 J**	**4 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno{1,2,3-cd}pyrene	22	none	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz{a,h}anthracene	22	none	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo{g,h,i}perylene	22	0.002 (GV)	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs	-	-	**2.1 J**	**6.8 J**	**1487 JE**	**2482 D**	**2.4 J**	BDL	BDL	BDL	1.3 J	BDL	BDL	BDL
Total Cyanide, EPA Method 9014 (ug/L)														
Total Cyanide	-	200	NS	NS	NS	NS	NS	NS	**0.010 U**	NS	NS	NS	NS	NS

-: Lab analysis not requested
*Sum of all Xylene's
GV- Guidance Value
NS- No sample collected
Bold numbers indicate analyte detected
Shading indicates detected value is greater then NYS Standard or Guidance Value

J- The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit for the sample.
U- The compound was analyzed for but not detected at or above the quantitation limit indicated
D- The reported value is taken from the analysis of a diluted sample.
E- The reported value exceeds the calibration range of the instrument.

Ithaca Court Street OU-2
Table 5-4
Hydropunch Results

Sample Location Date Sampled	Carbon Number	NYS Std or GV	HP-9 10/30/01	HP-9 Filtered	HP-10 10/30/01	HP-10 Filtered	HP-11 11/01/01	HP-11 Filtered	HP-14 11/01/01	HP-14 Filtered	HP-15 11/06/01	HP-15 Filtered	HP-16 11/12/01	HP-16 Filtered
Volatiles (BTEX), EPA Method 8021 (ug/L)														
Benzene	6	1	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-
Ethylbenzene	7	5	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-
Toluene	8	5	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-
o-xylene	8	5*	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-
m-xylene	8	5*	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-
p-xylene	8	5*	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-	0.20 U	-
Total BTEX	-	-	BDL	-	BDL	-	BDL	-	BDL	-	BDL	-	BDL	-
Polycylic Aromatic Hydrocarbons (PAHs), EPA Method 8270 (ug/L)														
Naphthalene	10	10 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
2-Methylnaphthalene	10	none	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Acenaphthylene	12	none	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Acenaphthene	12	20 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Fluorene	13	50 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Phenantherene	14	50 (GV)	10 U	10 U	**0.9 J**	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Anthracene	14	50 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Fluoranthene	16	50 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Pyrene	16	50 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Benzo{a}anthracene	18	0.002 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Chrysene	18	0.002 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Benzo{b}fluoranthene	20	0.002 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Benzo{k}fluoranthene	20	0.002 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Benzo{a}pyrene	20	non-detect	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Indeno{1,2,3-cd}pyrene	22	none	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Dibenz{a,h}anthracene	22	none	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Benzo{g,h,i}perylene	22	0.002 (GV)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Total PAHs	-	-	BDL	BDL	**0.9 J**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Cyanide, EPA Method 9014 (ug/L)														
Total Cyanide	-	200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

-: Lab analysis not requested
*Sum of all Xylene's
GV- Guidance Value
NS- No sample collected
Bold numbers indicate analyte detected
Shading indicates detected value is greater then NYS Standard or Guidance Value

J- The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit for the sample.
U- The compound was analyzed for but not detected at or above the quantitation limit indicated
D- The reported value is taken from the analysis of a diluted sample.
E- The reported value exceeds the calibration range of the instrument.

Ithaca Court Street OU-2
Table 5-4
Hydropunch Results

Sample Location Date Sampled	Carbon Number	NYS Std or GV	HP-17 11/13/01	HP-17 Filtered	HP-20 12/03/01	HP-20 Filtered	HP-21 12/03/01	HP-22 12/06/01	HP-22 Filtered	SB/HP-75 12/04/01
Volatiles (BTEX) (ug/l)										
Benzene	6	1	0.20 U	-	470	-	77	60	-	0.20 U
Ethylbenzene	7	5	0.20 U	-	170	-	13	66	-	0.20 U
Toluene	8	5	0.20 U	-	2.3	-	0.08 U	1.0 U	-	0.20 U
o-xylene	8	5*	0.20 U	-	64	-	6.5	6.4	-	0.20 U
m-xylene	8	5*	0.20 U	-	100	-	9.5	11	-	0.20 U
p-xylene	8	5*	0.20 U	-	< 2.0 U	-	0.80 U	1.0 U	-	0.20 U
Total BTEX	-	-	BDL	-	**806.3**	-	**106.0**	**143.4**	-	BDL
Polycylic Aromatic Hydrocarbons (PAHs), EPA Method 8270 (ug/L)										
Naphthalene	10	10 (GV)	10 U	10 U	820 D	590 D	250 D	540 D	370 D	10 U
2-Methylnaphthalene	10	none	10 U	10 U	**120**	**64**	**36**	**16**	**7 J**	10 U
Acenaphthylene	12	none	10 U	10 U	**3 J**	**0.8 J**	10 U	**0.9 J**	10 U	10 U
Acenaphthene	12	20 (GV)	10 U	10 U	140 D	100	74	27	14	10 U
Fluorene	13	50 (GV)	10 U	10 U	63	33	26	**5 J**	**3 J**	10 U
Phenantherene	14	50 (GV)	10 U	10 U	90	27	44	**10 U**	**3 J**	10 U
Anthracene	14	50 (GV)	10 U	10 U	**14**	**3 J**	**6 J**	**0.6 J**	**10 U**	10 U
Fluoranthene	16	50 (GV)	10 U	10 U	**25**	**0.7 J**	**7 J**	**0.6 J**	**10 U**	10 U
Pyrene	16	50 (GV)	**0.6 J**	10 U	**39**	**1 J**	**10**	**1 J**	10 U	10 U
Benzo{a}anthracene	18	0.002 (GV)	10 U	10 U	8 J	10 U	0.7 J	10 U	10 U	10 U
Chrysene	18	0.002 (GV)	10 U	10 U	5 J	10 U	10 U	10 U	10 U	10 U
Benzo{b}fluoranthene	20	0.002 (GV)	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U
Benzo{k}fluoranthene	20	0.002 (GV)	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U
Benzo{a}pyrene	20	non-detect	10 U	10 U	**6 J**	10 U	10 U	10 U	10 U	10 U
Indeno{1,2,3-cd}pyrene	22	none	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U
Dibenz{a,h}anthracene	22	none	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo{g,h,i}perylene	22	0.002 (GV)	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U
Total PAHs	-	-	**0.6 J**	BDL	**1,344 JD**	**820.5 JD**	**453.7 JD**	**590.2 JD**	**394 JD**	BDL
Total Cyanide, EPA Method 9014 (ug/L)										
Total Cyanide	-	200	NS	NS	NS	**0.74**	NS	**0.16**	**0.013**	NS

-: Lab analysis not requested
*Sum of all Xylene's
GV- Guidance Value
NS- No sample collected
Bold numbers indicate analyte detected
Shading indicates detected value is greater then NYS STD or GV

J- The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit for the sample.
U- The compound was analyzed for but not detected at or above the quantitation limit indicated
D- The reported value is taken from the analysis of a diluted sample.
E- The reported value exceeds the calibration range of the instrument.

Ithaca Court Street OU-2
Table 5-4
Hydropunch Results

Analyte	Carbon Number	NYS Std or GV	EB-1	Equip Blank 12/3/01	Trip Blank 10/24/01	Trip Blank 11/1/01	Trip Blank 11/12/01	Trip Blank 12/3/01	Trip Blank 12/6/01
Volatiles (BTEX) (ug/l)									
Benzene	6	1	0.20 U	**0.85**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Ethylbenzene	7	5	0.20 U	**0.54**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	8	5	0.20 U	**1.6**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
o-xylene	8	5*	0.20 U	**0.56**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
m-xylene	8	5*	0.20 U	**1.0**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
p-xylene	8	5*	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total BTEX	-	-	BDL	**4.55**	BDL	BDL	BDL	BDL	BDL
Polycylic Aromatic Hydrocarbons (PAHs), EPA Method 8270 (ug/L)									
Naphthalene	10	10 (GV)	-	-	-	-	-	-	-
2-Methylnaphthalene	10	none	-	-	-	-	-	-	-
Acenaphthylene	12	none	-	-	-	-	-	-	-
Acenaphthene	12	20 (GV)	-	-	-	-	-	-	-
Fluorene	13	50 (GV)	-	-	-	-	-	-	-
Phenantherene	14	50 (GV)	-	-	-	-	-	-	-
Anthracene	14	50 (GV)	-	-	-	-	-	-	-
Fluoranthene	16	50 (GV)	-	-	-	-	-	-	-
Pyrene	16	50 (GV)	-	-	-	-	-	-	-
Benzo{a}anthracene	18	0.002 (GV)	-	-	-	-	-	-	-
Chrysene	18	0.002 (GV)	-	-	-	-	-	-	-
Benzo{b}fluoranthene	20	0.002 (GV)	-	-	-	-	-	-	-
Benzo{k}fluoranthene	20	0.002 (GV)	-	-	-	-	-	-	-
Benzo{a}pyrene	20	non-detect	-	-	-	-	-	-	-
Indeno{1,2,3-cd}pyrene	22	none	-	-	-	-	-	-	-
Dibenz{a,h}anthracene	22	none	-	-	-	-	-	-	-
Benzo{g,h,i}perylene	22	0.002 (GV)	-	-	-	-	-	-	-
Total PAHs	-	-	-	-	-	-	-	-	-
Total Cyanide, EPA Method 9014 (ug/L)									
Cyanide (mg/l)	-	200	NS	NS	NS	NS	NS	NS	NS

-: Lab analysis not requested
*Sum of all Xylene's
GV- Guidance Value
NS- No sample collected
Bold numbers indicate analyte detected
Shading indicates detected value is greater then NYS Standard or Guidance Value

U- The compound was analyzed for but not detected at or above the quantitation limit indicated

Table 2
Ithaca Court Street OU-2
Phase II
Hydropunch Results

Sample ID Date Sampled	Carbon Number	NYSDEC Std or GV	HP-35 3/23/2004	HP-35 F Filtered	HP-36 3/24/2004	HP-36 F Filtered	HP-3600* 3/24/2004	HP-3600 F Filtered	HP-37 3/23/2004	HP-37 F Filtered	HP-38 3/23/2004	HP-38 F Filtered	HP-40 3/22/2004	HP-40 F Filtered	HP-41 3/24/2004	HP-41 F Filtered	HP-42 3/25/2004	HP-42 F Filtered
METHOD 8021 - BTEX (AQUEOUS) UG/L																		
Benzene	6	1	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-
Toluene	6	5	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-
Ethylbenzene	6	5	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-
m/p-Xylenes	6	5**	0.4 U	-	0.4 U	-	0.4 U	-	0.4 U	-	**0.58**	-	0.4 U	-	0.4 U	-	0.4 U	-
o-Xylene	6	5**	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	**0.36**	-	0.2 U	-	0.2 U	-	0.2 U	-
Total BTEX	-	-	BDL	-	BDL	-	BDL	-	BDL	-	**0.94**	-	BDL	-	BDL	-	BDL	-
MWR - 8270 HL POLYNUCLEAR AROMATIC HYDROCARBONS (AQUEOUS) UG/L																		
Naphthalene	10	10	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
2-Methylnaphthalene	10	none	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Acenaphthylene	12	none	**4 J**	**4 J**	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Acenaphthene	12	20	**10**	**8 J**	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Fluorene	13	50	10 U	**2 J**	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Phenanthrene	14	50	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Anthracene	14	50	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Fluoranthene	16	50	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Pyrene	16	50	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Benzo(a)anthracene	18	0.002	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Chrysene	18	0.002	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Benzo(a)pyrene	20	0.002	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Benzo(b)fluoranthene	20	0.002	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Benzo(k)fluoranthene	22	0.002	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Benzo(ghi)perylene	20	ND	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Dibenzo(a,h)anthracene	22	none	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Indeno(1,2,3-cd)pyrene	22	none	10 U	10 U	9 U	10 U	9 U	9 U	10 U	10 U	10 U	10 U	9 U	10 U	10 U	10 U	9 U	10 U
Total PAHs	-	-	**14 J**	**14 J**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

* Sample HP-3600 is the blind duplicate of HP-36
** Total of all xylenes
- Laboratory analysis not requested
U-The compound was analyzed for but not detected at or above the quantitation limit indicated
J- Estimated value
BDL- Bellow Detection Limits
Bold- Analyte detected in laboratory analysis

TABLE 3A
ITHACA COURT STREET
VALIDATED GROUNDWATER SAMPLE RESULTS - VOLATILES
JULY 2004

Sample ID	NYSDEC GW	MW-13S	MW10S	MW11S	MW12S	MW14S	MW25S	MW26S	MW27	MW28S	MW2800	MW29S	MW2S	MW30S	MW31S
Date Sampled	Standard or GV	07/14/04	07/14/04	07/14/04	07/14/04	07/14/04	07/14/04	07/13/04	07/14/04	07/14/04	07/14/04	07/13/04	07/14/04	07/13/04	07/12/04
MWH - EPA ASP00 - METHOD 8260 VOLATILES - W (AQUEOUS) UG/L															
1,1,1-Trichloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UV	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	0.7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 U	10 UV	10 UV	10 UV	10 U	10 UV	10 U	10 U
1,2-Dibromo-3-chloropropane	NA	100 UV	100 UV	100 UV	100 UV	100 UV	100 UV	100 U	100 UV	100 UV	100 UV	100 U	100 UV	100 U	100 U
1,2-Dibromoethane	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**12 S**	10 U
2-Hexanone	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	50	10 U	10 U	10 U	10 U	10 U	10 U	10 UV	10 U	10 U	10 U	10 UV	10 U	10 UV	10 UV
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UV	10 U	10 U	10 U	10 UV	10 U	10 UV	10 UV
Carbon Disulfide	NA	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 U	10 UV	10 UV	10 UV	10 U	10 UV	10 U	10 U
Carbon Tetrachloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UV	10 U	10 U	10 U	10 UV	10 U	10 UV	10 UV
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	5	10 U	10 U	**4 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**11**	10 U	10 U
Methyl acetate	NA	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 U	10 UV	10 UV	10 UV	10 U	10 UV	10 U	10 U
Methyl tert butyl ether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 U	10 UV	10 UV	10 UV	10 U	10 UV	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	5	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 U	10 UV	10 UV	10 UV	10 U	10 UV	10 U	10 U
trans-1,3-Dichloropropene	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1	10 U	10 U	**20**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**11**	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**40**	10 U	10 U
Total Xylenes	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**15**	10 U	10 U
Total VOCs		BDL	BDL	**24 J**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**86 J**	**12 S**	BDL
Total BTEX		BDL	BDL	**20**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**69 J**	BDL	BDL
Total TICs				**117 J**			**7 J**						**1610 J**		

Shading indicates a value above the applicable NYSDEC Groundwater Standard and/or Guidance Values.
Bold typeface indicates that the analyte was detected in the laboratory analysis
U - The compound was analyzed for but not detected at or above the quantitation limit indicated.
J - The concentration reported is an estimated value, less than the practical quantitation limit for the sample. The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method.
V - The reported value is considered estimated due to variance from quality control criteria
S - The reported value is suspected to be due to laboratory contamination.
D - The reported value is taken from the analysis of a diluted sample.
MW2800 is a blind dup of sample MW28
MW500 is a blind dup of sample MW5S

TABLE 3A
ITHACA COURT STREET
VALIDATED GROUNDWATER SAMPLE RESULTS
JULY 2004

Sample ID	NYSDEC GW	MW32S	MW33S	MW34S	MW35S	MW36	MW37	MW38	MW39	MW40	MW41	MW42	MW4S	MW5S	MW500
Date Sampled	Standard or GV	07/13/04	07/13/04	07/13/04	07/13/04	07/13/04	07/13/04	07/12/04	07/13/04	07/13/04	07/14/04	07/13/04	07/14/04	07/14/04	07/14/04
MWH - EPA ASP00 - METHOD 8260 VOLATILES - W (AQUEOUS) UG/L															
1,1,1-Trichloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	5	10 UV	10 UV	10 UV	10 UV	10 UV	10 U	10 U	10 UV	10 UV	10 U	10 UV	10 U	10 U	10 U
1,1-Dichloroethene	0.7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UV	10 U	10 UV	10 UV	10 UV
1,2-Dibromo-3-chloropropane	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 UV	100 U	100 UV	100 UV	100 UV
1,2-Dibromoethane	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	NA	10 U	10 U	10 U	10 U	**16 S**	**8 JS**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	10 U	10 U	10 U	10 U	**8 JS**	**15 S**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	50	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 U	10 UV	10 U	10 U	10 U
Bromomethane	5	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 U	10 UV	10 U	10 U	10 U
Carbon Disulfide	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UV	10 U	10 UV	10 UV	10 UV
Carbon Tetrachloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 UV	10 U	10 UV	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**22**	10 U	10 U	10 U	**10**	**3 J**	**4 J**
Methyl acetate	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UV	10 U	10 UV	10 UV	10 UV
Methyl tert butyl ether	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UV	10 U	10 UV	10 UV	10 UV
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UV	10 U	10 UV	10 UV	10 UV
trans-1,3-Dichloropropene	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**31**	10 U	10 U	10 U	**510 D**	**86**	**79**
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**63**	10 U	10 U	10 U	**4 J**	**2 J**	**2 J**
Total Xylenes	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**44**	10 U	10 U	10 U	10 U	**6 J**	**7 J**
Total VOCs		BDL	BDL	BDL	BDL	**20 J**	**20 J**	BDL	**162 J**	BDL	BDL	BDL	**527 JD**	**91 J**	**92 J**
Total BTEX		BDL	BDL	BDL	BDL	BDL	BDL	BDL	**140 J**	BDL	BDL	BDL	**514 JD**	**88 J**	**88 J**
Total TICs					**26 J**				**1854 J**				**150 J**	**102 J**	**132 J**

Shading indicates a value above the applicable NYSDEC Groundwater Standard and/or Guidance Values.
Bold typeface indicates that the analyte was detected in the laboratory analysis
U - The compound was analyzed for but not detected at or above the quantitation limit indicated.
J - The concentration reported is an estimated value, less than the practical quantitation limit for the sample. The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method.
V - The reported value is considered estimated due to variance from quality control criteria
S - The reported value is suspected to be due to laboratory contamination.
D - The reported value is taken from the analysis of a diluted sample.
MW2800 is a blind dup of sample MW28
MW500 is a blind dup of sample MW5S

TABLE 3B
ITHACA COURT STREET
VALIDATED GROUNDWATER SAMPLE RESULTS - SEMIVOLATILES
JULY 2004

Sample ID	NYSDEC GW	MW35S	MW39	MW5S	MW500	MW-13S	MW10S	MW11S	MW12S	MW14S	MW25S	MW26S	MW27	MW28S	MW2800	MW29S
Date Sampled	Standard or GV	7/13/2004	7/13/2004	7/14/2004	7/14/2004	7/14/2004	7/14/2004	7/14/2004	7/14/2004	7/14/2004	7/14/2004	7/13/2004	7/14/2004	7/14/2004	7/14/2004	7/13/2004
BNAE - ASP98 - METHOD 8270 SEMIVOLATILES - W (AQUEOUS) UG/L																
2,2'-oxybis(1-Chloropropane)	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	0.3	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	50	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	10	24 UV	24 UV	24 UV	24 UV	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	5	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	5	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	10	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	5	24 U	24 U	24 U	24 U	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	5	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	5	24 U	24 U	24 U	24 U	-	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	24 U	24 U	24 U	24 U	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	5	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	5	24 U	24 U	24 U	24 U	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	NA	24 U	24 U	24 U	24 U	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Atrazine	7.5	10 UV	9 UV	10 UV	10 UV	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Biphenyl	NA	10 U	31	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy) methane	5	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl) ether	1	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl) phthalate	5	10 U	9 U	12	7 J	-	-	-	-	-	-	-	-	-	-	-
Butyl benzyl phthalate	50	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	NA	10 UV	9 UV	10 UV	10 UV	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	10 U	45	12	19	-	-	-	-	-	-	-	-	-	-	-
Di-n-butyl phthalate	50	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	50	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	NA	10 U	26	6 J	8 J	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	50	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	50	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.04	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	0.01	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	0.07	22 UV	22 UV	23 UV	23 UV	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.8	10 UV	9 UV	10 UV	10 UV	-	-	-	-	-	-	-	-	-	-	-
Isophorone	50	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
N-Nitroso-Di-n-propylamine	NA	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
N-nitrosodiphenylamine	50	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	0.4	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	5	24 U	24 U	24 U	24 U	-	-	-	-	-	-	-	-	-	-	-
Phenol	5	10 U	9 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	10 U	70	10 U	2 J	10 U	9 U	10 U	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Acenaphthene	20	10 U	180 D	3 J	4 J	10 U	9 U	7 J	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Acenaphthylene	NA	10 U	9 U	10 U	3 J	10 U	9 U	25	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Anthracene	50	10 U	4 J	10 U	10 U	10 U	9 U	10 U	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Benzo(a)anthracene	0.002	10 U	9 U	10 U	10 U	10 U	9 U	10 U	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Benzo(a)pyrene	non-detect	10 U	9 U	10 U	10 U	10 U	9 U	10 U	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Benzo(b)fluoranthene	0.002	10 U	9 U	10 U	10 U	10 U	9 U	10 U	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Benzo(ghi)perylene	NA	10 U	9 U	10 U	10 U	10 U	9 U	10 U	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Benzo(k)fluoranthene	0.002	10 U	9 U	10 U	10 U	10 U	9 U	10 U	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Chrysene	0.002	10 U	9 U	10 U	10 U	10 U	9 U	10 U	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Dibenzo(a,h)anthracene	NA	10 U	9 U	10 U	10 U	10 U	9 U	10 U	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Fluoranthene	50	10 U	9 U	11	16	10 U	9 U	4 J	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Fluorene	50	10 U	30	28	43	10 U	9 U	46	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Indeno(1,2,3-cd)pyrene	0.002	10 U	9 U	10 U	10 U	10 U	9 U	10 U	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Naphthalene	10	10 U	480 D	2 J	2 J	10 U	9 U	10 U	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Phenanthrene	50	10 U	22	10 U	10 U	10 U	9 U	10 U	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
Pyrene	50	10 U	9 U	7 J	12	10 U	9 U	6 J	9 U	10 U	9 U	10 U	9 U	9 U	10 U	9 U
TOTAL SVOCs	-	BDL	828 DJ	138 J	163 J	-	-	-	-	-	-	-	-	-	-	-
TOTAL PAHs	-	BDL	726 DJ	108 J	129 J	BDL	BDL	158 J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SVOC TICs																
Indane	-	ND	170 JN	18 JN	17 JN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indene	-	ND	38 JN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total TICs	-	32 J	505 JN	77 JN	146 JN	4 J	28 JN	148 JN	ND	ND	29 JN	29 JN	4 JN	27 J	26 J	108 JN
Total Alkanes	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Shading indicates a value above the applicable NYSDEC Groundwater Standard and/or Guidance Values.
Bold typeface indicates that the analyte was detected in the laboratory analysis
U - The compound was analyzed for but not detected at or above the quantitation limit indicated.
J - The concentration reported is an estimated value, less than the practical quantitation limit for the sample. The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method.
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MW2800 is a blind dup of sample MW28
MW500 is a blind dup of sample MW5S

TABLE 3B
ITHACA COURT STREET
VALIDATED GROUNDWATER SAMPLE RESULTS - SEMIVOLATILES
JULY 2004

Sample ID	NYSDEC GW	MW2S	MW30S	MW31S	MW32S	MW33S	MW34S	MW36	MW37	MW38	MW40	MW41	MW42	MW4S
Date Sampled	Standard or GV	7/14/2004	7/13/2004	7/12/2004	7/13/2004	7/13/2004	7/13/2004	7/13/2004	7/13/2004	7/12/2004	7/13/2004	7/14/2004	7/13/2004	7/14/2004
SVOA - ASP95 - METHOD 8270 SEMIVOLATILES - W (AQUEOUS) UGL														
2,2'-Oxybis(1-Chloropropane)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	50	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	10	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	5	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	5	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	10	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	5	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	5	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	5	-	-	-	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	5	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	5	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Atrazine	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy) methane	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl) ether	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl) phthalate	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzyl phthalate	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butyl phthalate	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	50	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitroso-Di-n-propylamine	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
N-nitrosodiphenylamine	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	5	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	380 D	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	8 J
Acenaphthene	20	[redacted]	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	18	9 U	[redacted]
Acenaphthylene	NA	99 DJ	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	14	9 U	9 J
Anthracene	50	16	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	10 U
Benzo(a)anthracene	0.002	10 U	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	10 U
Benzo(a)pyrene	non-detect	10 U	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	10 U
Benzo(b)fluoranthene	0.002	10 U	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	10 U
Benzo(ghi)perylene	NA	10 U	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	10 U
Benzo(k)fluoranthene	0.002	10 U	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	10 U
Chrysene	0.002	10 U	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	10 U
Dibenzo(a,h)anthracene	NA	10 U	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	10 U
Fluoranthene	50	7 J	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	5 J
Fluorene	50	[redacted]	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	10	9 U	43
Indeno(1,2,3-cd)pyrene	0.002	10 U	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	10 U
Naphthalene	10	[redacted]	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	10 U
Phenanthrene	50	[redacted]	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	4 J
Pyrene	50	10	10 U	10 U	9 U	9 U	9 U	12 U	10 U	10 U	9 U	9 U	9 U	4 J
TOTAL SVOCs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PAHs	-	819 DJ	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	49	BDL	117 J
TICs														
Indane	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indene	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total TICs	-	836 JN	6 JN	ND	ND	ND	95 JN	76 JN	424 JN	ND	ND	14 J	117 JN	171 JN
Total Alkanes	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Shading indicates a value above the applicable NYSDEC Groundwater Standard and/or Guidance Values.
Bold typeface indicates that the analyte was detected in the laboratory analysis
U - The compound was analyzed for but not detected at or above the quantitation limit indicated.
J - The concentration reported is an estimated value, less than the practical quantitation limit for the sample. The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method.
V - The reported value is considered estimated due to variance from quality control criteria
S - The reported value is suspected to be due to laboratory contamination.
D - The reported value is taken from the analysis of a diluted sample.
MW2800 is a blind dup of sample MW28
MW500 is a blind dup of sample MW5S

Table 1
Groundwater VOC Results
NYSEG Court Street Site- Ithaca, NY

Sample Designation Laboratory Specification Date Sampled	CAS #	NYSDEC Groundwater Guidance or Standard Value (Note 1)	MW-10S A7E90505 12/20/2007	MW-11D A7E90513 12/21/2007	MW-11S A7E90512 12/21/2007	MW-11S (DUP) A7F00408 12/21/2007	MW-12S A7F00404 12/26/2007	MW-14D A7F00401 12/26/2007	MW-14S A7F00407 12/27/2007	MW-14S (DUP) A7F00410 12/27/2007	MW-20D A7E90509 12/20/2007	MW-20S A7E90508 12/20/2007	MW-21D USR Data 9/17/2007	MW-21S USR - Data 9/17/2007	MW-22D USR - Data 9/17/2007	MW-22S USR - Data 9/17/2007
BTEX Compounds (ug/L)																
Benzene	71-43-2	1	<1 U	**7.2**	**7.7 J**	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	**4.54**
Ethylbenzene	100-41-4	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	**3.14**
Toluene	108-88-3	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	**0.19 J**
Xylenes, Total	1330-20-7	5	<3 U	<3 U	<3 U	<3.0 UJ	<3.0 U	<3.0 U	<3.0 U	<3.0 U	<3 U	<3 U	<1 U	<1 U	<1 U	**1.92**
Total BTEX (ug/L)	NA	NL	ND	**7.2**	**7.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**9.79**
Other VOCs (ug/L)																
1,1,1-Trichloroethane	71-55-6	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-Trichloroethane	79-00-5	1	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-Dichloroethane	75-34-3	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-Dichloroethene	75-35-4	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,2-Dibromoethane	106-93-4	NL	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dichloroethane	107-06-2	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dichloropropane	78-87-5	1	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-Trichlorobenzene	120-82-1	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<1 UJ	<1 UJ	<1 UJ	<1 UJ
1,2-Dichlorobenzene	95-50-1	3	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-Dichlorobenzene	541-73-1	3	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-Dichlorobenzene	106-46-7	3	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-Butanone	78-93-3	50	<5 U	<5 U	<5 U	<5.0 UJ	<5.0 UJ	<5.0 UJ	<5.0 UJ	<5.0 UJ	<5 U	<5 U	<10 U	<10 U	<10 U	<10 U
2-Hexanone	591-78-6	50	<5 U	<5 U	<5 U	<5.0 UJ	<5.0 UJ	<5.0 UJ	<5.0 UJ	<5.0 UJ	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-Methyl-2-pentanone	108-10-1	NL	<5 U	<5 U	<5 U	<5.0 UJ	<5.0 UJ	<5.0 UJ	<5.0 UJ	<5.0 UJ	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Acetone	67-64-1	50	<5 U	<5 U	<5 U	<5.0 UJ	<5.0 UJ	<5.0 UJ	<5.0 UJ	<5.0 UJ	<5 U	<5 U	<10 U	<10 U	<10 U	<10 U
Bromodichloromethane	75-27-4	50	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Bromoform	75-25-2	50	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Bromomethane	74-83-9	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<1 UJ	<1 UJ	<1 UJ	<1 UJ
Carbon Disulfide	75-15-0	60	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Carbon Tetrachloride	56-23-5	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Chlorobenzene	108-90-7	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Chloroethane	75-00-3	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Chloroform	67-66-3	7	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Chloromethane	74-87-3	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
cis-1,2-Dichloroethene	156-59-2	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
cis-1,3-Dichloropropene	10061-01-5	0.4	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Cyclohexane	110-82-7	NL	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Dibromochloromethane	124-48-1	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Dichlorodifluoromethane	75-71-8	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Isopropylbenzene	98-82-8	5	<1 U	**2.8**	**3 J**	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	**1.93**
Methylcyclohexane	108-87-2	NL	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Methylene chloride	75-09-2	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<2 U	<2 U	<2 U	<2 U
Methyl-t-Butyl Ether (MTBE)	1634-04-4	10	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Styrene	100-42-5	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Tetrachloroethene	127-18-4	5	**0.98 J**	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
trans-1,2-Dichloroethene	156-60-5	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
trans-1,3-Dichloropropene	10061-02-6	0.4	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Trichloroethene	79-01-6	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Trichlorofluoromethane	75-69-4	5	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Vinyl chloride	75-01-4	2	<1 U	<1 U	<1 U	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Total VOCs (ug/L)	NA	NL	**0.98**	**10**	**10.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**11.72**
Field Parameters																
Conductivity	NA	NL	0.867	1.699	1.820	--	1.472	1.651	1.721	--	0.943	0.978	--	--	--	--
DissolvedOxygen	NA	NL	0.70	0.46	0.26	--	1.56	0.64	0.80	--	0.89	0.79	--	--	--	--
OxidationRP	NA	NL	-168.2	-171.4	-192.0	--	-208.6	-176.0	-181.1	--	-173.8	-171.0	--	--	--	--
pH	NA	NL	6.90	7.05	6.79	--	6.94	6.93	6.87	--	6.71	6.76	--	--	--	--
Temperature	NA	NL	11.99	13.91	14.04	--	11.54	13.15	12.91	--	11.64	11.63	--	--	--	--
Turbidity	NA	NL	40.0	123.0	72.0	--	46.0	76.0	70.0	--	85.0	36.0	--	--	--	--

Notes:
NL = Not Listed
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit.
Shaded and bolded value - compound detected above regulatory guidance value.
NA = Not Analyzed
ND = Not Detected
Note(1) - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) - 6 NYCRR 703.5 [NYSDEC, 1998].

Table 1
Groundwater VOC Results
NYSEG Court Street Site- Ithaca, NY

Sample Designation Laboratory Specification Date Sampled	CAS #	NYSDEC Groundwater Guidance or Standard Value (Note 1)	MW-24D A7E90503 12/19/2007	MW-24S A7E90502 12/19/2007	MW-25 A7F00405 12/27/2007	MW-25S A7E90515 12/21/2007	MW-27 A7F00402 12/26/2007	MW-28S A7E90506 12/20/2007	MW-3D A7E90511 12/21/2007	MW-41 A7F00403 12/26/2007	MW-42 A7E90504 12/19/2007	MW-4D A7E90501 12/19/2007	MW-4S A7F00406 12/27/2007	MW-5D A7E90507 12/20/2007	MW-5S A7E90510 12/20/2007
BTEX Compounds (ug/L)															
Benzene	71-43-2	1	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	**88**	**81**
Ethylbenzene	100-41-4	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	**0.66 J**	**0.66 J**
Toluene	108-88-3	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Xylenes, Total	1330-20-7	5	<3 U	<3 U	<3.0 U	<3 U	<3.0 U	<3 U	<3 U	<3.0 U	<3 U	<3 U	<3.0 U	**13**	**12**
Total BTEX (ug/L)	NA	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**101.66**	**93.66**
Other VOCs (ug/L)															
1,1,1-Trichloroethane	71-55-6	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
1,1,2,2-Tetrachloroethane	79-34-5	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
1,1,2-Trichloroethane	79-00-5	1	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
1,1-Dichloroethane	75-34-3	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
1,1-Dichloroethene	75-35-4	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	<1 U	<1 U	<1.0 UJ	<1 U	<1.0 UJ	<1 U	<1 U	<1.0 UJ	<1 U	<1 U	<1.0 UJ	<1 U	<1 U
1,2-Dibromoethane	106-93-4	NL	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
1,2-Dichloroethane	107-06-2	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
1,2-Dichloropropane	78-87-5	1	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
1,2,4-Trichlorobenzene	120-82-1	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
1,2-Dichlorobenzene	95-50-1	3	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
1,3-Dichlorobenzene	541-73-1	3	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
1,4-Dichlorobenzene	106-46-7	3	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
2-Butanone	78-93-3	50	<5 U	<5 U	<5.0 UJ	<5 U	<5.0 UJ	<5 U	<5 U	<5.0 UJ	<5 U	<5 U	<5.0 UJ	<5 U	<5 U
2-Hexanone	591-78-6	50	<5 U	<5 U	<5.0 UJ	<5 U	<5.0 UJ	<5 U	<5 U	<5.0 UJ	<5 U	<5 U	<5.0 UJ	<5 U	<5 U
4-Methyl-2-pentanone	108-10-1	NL	<5 U	<5 U	<5.0 UJ	<5 U	<5.0 UJ	<5 U	<5 U	<5.0 UJ	<5 U	<5 U	<5.0 UJ	<5 U	<5 U
Acetone	67-64-1	50	<5 U	<5 U	<5.0 UJ	<5 U	<5.0 UJ	<5 U	<5 U	<5.0 UJ	<5 U	<5 U	<5.0 UJ	<5 U	**2.8 J**
Bromodichloromethane	75-27-4	50	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Bromoform	75-25-2	50	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Bromomethane	74-83-9	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Carbon Disulfide	75-15-0	60	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Carbon Tetrachloride	56-23-5	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Chlorobenzene	108-90-7	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Chloroethane	75-00-3	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Chloroform	67-66-3	7	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Chloromethane	74-87-3	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
cis-1,2-Dichloroethene	156-59-2	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
cis-1,3-Dichloropropene	10061-01-5	0.4	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Cyclohexane	110-82-7	NL	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Dibromochloromethane	124-48-1	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Dichlorodifluoromethane	75-71-8	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Isopropylbenzene	98-82-8	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	**4.6**	**4.4**
Methylcyclohexane	108-87-2	NL	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Methylene chloride	75-09-2	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Methyl-t-Butyl Ether (MTBE)	1634-04-4	10	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Styrene	100-42-5	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Tetrachloroethene	127-18-4	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
trans-1,2-Dichloroethene	156-60-5	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
trans-1,3-Dichloropropene	10061-02-6	0.4	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Trichloroethene	79-01-6	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Trichlorofluoromethane	75-69-4	5	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Vinyl chloride	75-01-4	2	<1 U	<1 U	<1.0 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U	<1.0 U	<1 U	<1 U
Total VOCs (ug/L)	NA	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**106.26**	**100.86**
Field Parameters															
Conductivity	NA	NL	0.777	2.15	0.939	2.920	1.794	0.770	0.797	1.492	0.925	0.739	0.720	0.967	1.381
DissolvedOxygen	NA	NL	0.23	2.81	0.80	0.40	0.66	0.19	0.21	1.50	0.24	0.26	0.47	0.40	0.48
OxidationRP	NA	NL	-162.7	-159.9	-170.9	-164.5	-188.3	-172.9	-188.1	-200.2	-164.7	-161.9	-159.4	-162.0	-171.3
pH	NA	NL	7.45	6.86	6.87	6.80	6.85	7.59	7.52	6.85	6.87	7.18	7.02	7.18	7.02
Temperature	NA	NL	13.12	14.09	12.01	12.49	13.06	15.70	14.68	11.60	12.89	13.40	13.11	13.31	13.00
Turbidity	NA	NL	26.0	30.0	92.0	169.0	65.0	25.0	192.0	60.0	37.0	3.8	7.0	80.0	50.0

Notes:
NL = Not Listed
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit.
Shaded and bolded value - compound detected above regulatory guidance value.
NA = Not Analyzed
ND = Not Detected
Note(1) - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) - 6 NYCRR 703.5 [NYSDEC, 1998].

Table 2
Groundwater SVOC Results
NYSEG Court Street Site-Ithaca, NY

Sample Designation Laboratory Specification Date Sampled	CAS #	NYSDEC Groundwater Guidance or Standard Value (Note 1)	MW-10S A7E90505 12/20/2007	MW-11D A7E90513 12/21/2007	MW-11S A7E90512 12/21/2007	MW-11S (DUP) A7F00408 12/21/2007	MW-12S A7F00404 12/26/2007	MW-14D A7F00401 12/26/2007	MW-14S A7F00407 12/27/2007	MW-14S (DUP) A7F00410 12/27/2007	MW-20D A7E90509 12/20/2007	MW-20S A7E90508 12/20/2007	MW-21D USR Data 9/17/2007	MW-21S USR-Data 9/17/2007	MW-22D USR-Data 9/17/2007	MW-22S USR - Data 9/17/2007
PAHs (ug/L)																
2-Methylnaphthalene	91-57-6	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Acenaphthene	83-32-9	20	<5 U	**100**	**85 J**	<5 UJ	**7**	<5 U	<5 U	<5 U	**0.7 J**	<5 U	NA	NA	NA	NA
Acenaphthylene	208-96-8	NL	<5 U	**31**	**24 J**	<5 UJ	**5**	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Anthracene	120-12-7	50	<5 U	**0.4 J**	**0.4 J**	<5 UJ	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	0.002	**0.2 J**	**0.2 J**	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Benzo(a)pyrene	50-32-8	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	0.002	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Benzo(ghi)perylene	191-24-2	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.002	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Chrysene	218-01-9	0.002	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Dibenzo(a,h)anthracene	53-70-3	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Fluoranthene	206-44-0	50	<5 U	**5**	**4 J**	<5 UJ	<5 U	<5 U	<5 U	<5 U	**0.4 J**	<5 U	NA	NA	NA	NA
Fluorene	86-73-7	50	<5 U	**46**	**41 J**	<5 UJ	**2 J**	<5 U	<5 U	<5 U	**0.5 J**	<5 U	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Naphthalene	91-20-3	10	<5 U	**0.2 J**	**0.2 J**	<5 UJ	<5 U	<5 U	<5 U	<5 U	**0.7 J**	<5 U	NA	NA	NA	NA
Phenanthrene	85-01-8	50	<5 U	**0.4 J**	**0.3 J**	<5 UJ	<5 U	<5 U	<5 U	<5 U	**0.3 J**	<5 U	NA	NA	NA	NA
Pyrene	129-00-0	50	<5 U	**6**	**6 J**	<5 UJ	**0.2 J**	<5 U	<5 U	<5 U	**0.3 J**	<5 U	NA	NA	NA	NA
Total PAHs (ug/L)	NA	NL	**0.2**	**189.2**	**160.9**	ND	**14.2**	ND	ND	ND	**2.9**	ND	NA	NA	NA	NA
SVOCs (ug/L)																
1,2,4-Trichlorobenzene	120-82-1	5	<9 U	<9 U	<10 U	<9 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	3	<9 U	<9 U	<10 U	<9 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	3	<9 U	<9 U	<10 U	<9 J	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	3	<9 U	<9 U	<10 U	<9 J	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	NA	NA	NA	NA
2,2'-Oxybis(1-Chloropropane)	108-60-1	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	10	<9 U	<9 U	<10 U	<9 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	10	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
2-Chlorophenol	95-57-8	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
2-Methylphenol	95-48-7	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
2-Nitroaniline	88-74-4	5	<9 U	<9 U	<10 U	<9 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	NA	NA	NA	NA
2-Nitrophenol	88-75-5	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
3-Nitroaniline	99-09-2	5	<9 U	<9 U	<10 U	<9 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	534-52-1	NL	<9 U	<9 U	<10 U	<9 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
4-Chloroaniline	106-47-8	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
4-Methylphenol	106-44-5	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
4-Nitroaniline	100-01-6	5	<9 U	<9 U	<10 U	<9 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	NA	NA	NA	NA
4-Nitrophenol	100-02-7	NL	<9 U	<9 U	<10 U	<9 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	NA	NA	NA	NA
Aniline	62-53-3	NL	<9 U	<9 U	<10 U	<9 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	NA	NA	NA	NA
Benzoic acid	65-85-0	NL	<140 U	<140 U	<140 U	<140 U	<140 U	<140 U	<140 U	<140 U	<150 U	<140 U	NA	NA	NA	NA
Benzyl alcohol	100-51-6	NL	<19 U	<19 U	<19 U	<19 U	<19 U	<19 U	<19 U	<19 U	<20 U	<19 U	NA	NA	NA	NA
Bis(2-chloroethoxy) methane	111-91-1	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Bis(2-chloroethyl) ether	111-44-4	1	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Bis(2-ethylhexyl) phthalate	117-81-7	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Butyl benzyl phthalate	85-68-7	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Dibenzofuran	132-64-9	NL	<5 U	**0.4 J**	**0.4 J**	<5 UJ	<5 U	<5 U	<5 U	<5 U	**0.5 J**	<5 U	NA	NA	NA	NA
Diethyl phthalate	84-66-2	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Dimethyl phthalate	131-11-3	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Di-n-butyl phthalate	84-74-2	50	<5 U	0.3 U	0.3 U	**0.3 J**	<5 U	<5 U	0.3 U	0.3 U	<5 U	0.3 U	NA	NA	NA	NA
Di-n-octyl phthalate	117-84-0	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	0.4	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	0.5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Hexachloroethane	67-72-1	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Isophorone	78-59-1	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Nitrobenzene	98-95-3	0.4	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
N-Nitroso-Di-n-propylamine	621-64-7	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
N-nitrosodiphenylamine	86-30-6	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Pentachlorophenol	87-86-5	1	<9 U	<9 U	<10 U	<9 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	NA	NA	NA	NA
Phenol	108-95-2	1	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	NA	NA	NA	NA
Total SVOCs (ug/L)	NA	NL	**0.2**	**189.6**	**161.3**	**0.3**	14.2	ND	ND	ND	**3.4**	ND	ND	ND	ND	ND

Notes:
NL = Not Listed
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit.
Shaded and bolded value - compound detected above regulatory guidance value.
NA = Not Analyzed
ND = Not Detected
Note(1) - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) - 6 NYCRR 703.5 [NYSDEC, 1998].

Table 2
Groundwater SVOC Results
NYSEG Court Street Site-Ithaca, NY

Sample Designation Laboratory Specification Date Sampled	CAS #	NYSDEC Groundwater Guidance or Standard Value (Note 1)	MW-24D A7E90503 12/19/2007	MW-24S A7E90502 12/19/2007	MW-25 A7F00405 12/27/2007	MW-25S A7E90515 12/21/2007	MW-27 A7F00402 12/26/2007	MW-28S A7E90506 12/20/2007	MW-3D A7E90511 12/21/2007	MW-41 A7F00403 12/26/2007	MW-42 A7E90504 12/19/2007	MW-4D A7E90501 12/19/2007	MW-4S A7F00406 12/27/2007	MW-5D A7E90507 12/20/2007	MW-5S A7E90510 12/20/2007
PAHs (ug/L)															
2-Methylnaphthalene	91-57-6	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Acenaphthene	83-32-9	20	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**6**	<5 U	<5 U	<5 U	**74**	**59**
Acenaphthylene	208-96-8	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**4 J**	<5 U	<5 U	<5 U	**2 J**	**1 J**
Anthracene	120-12-7	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**6**	**5**
Benzo(a)anthracene	56-55-3	0.002	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**0.2 J**	<5 U
Benzo(a)pyrene	50-32-8	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Benzo(b)fluoranthene	205-99-2	0.002	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Benzo(ghi)perylene	191-24-2	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Benzo(k)fluoranthene	207-08-9	0.002	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Chrysene	218-01-9	0.002	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Dibenzo(a,h)anthracene	53-70-3	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Fluoranthene	206-44-0	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**11**	**11**
Fluorene	86-73-7	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**2 J**	<5 U	<5 U	<5 U	**46**	**37**
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Naphthalene	91-20-3	10	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**0.2 J**	**0.2 J**
Phenanthrene	85-01-8	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**13**	**10**
Pyrene	129-00-0	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**0.3 J**	<5 U	<5 U	<5 U	**7**	**7**
Total PAHs (ug/L)	NA	NL	ND	ND	ND	ND	ND	ND	ND	**12.3**	ND	ND	ND	**159.4**	**130.2**
SVOCs (ug/L)															
1,2,4-Trichlorobenzene	120-82-1	5	<10 U	<10 U	<10 U	<9 U	<10 U	<10 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	<10 U
1,2-Dichlorobenzene	95-50-1	3	<10 U	<10 U	<10 U	<9 U	<10 U	<10 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	<10 U
1,3-Dichlorobenzene	541-73-1	3	<10 U	<10 U	<10 U	<9 U	<10 U	<10 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	<10 U
1,4-Dichlorobenzene	106-46-7	3	<10 U	<10 U	<10 U	<9 U	<10 U	<10 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	<10 U
2,2'-Oxybis(1-Chloropropane)	108-60-1	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2,4,5-Trichlorophenol	95-95-4	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2,4,6-Trichlorophenol	88-06-2	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2,4-Dichlorophenol	120-83-2	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2,4-Dimethylphenol	105-67-9	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**7**	<5 U
2,4-Dinitrophenol	51-28-5	10	<10 U	<10 U	<10 U	<9 U	<10 U	<10 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	<10 U
2,4-Dinitrotoluene	121-14-2	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2,6-Dinitrotoluene	606-20-2	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-Chloronaphthalene	91-58-7	10	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-Chlorophenol	95-57-8	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-Methylnaphthalene	91-57-6	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-Methylphenol	95-48-7	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-Nitroaniline	88-74-4	5	<10 U	<10 U	<10 U	<9 U	<10 U	<10 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	<10 U
2-Nitrophenol	88-75-5	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
3,3'-Dichlorobenzidine	91-94-1	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
3-Nitroaniline	99-09-2	5	<10 U	<10 U	<10 U	<9 U	<10 U	<10 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	<10 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	<10 U	<10 U	<10 U	<9 U	<10 U	<10 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	<10 U
4-Bromophenyl phenyl ether	101-55-3	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-Chloro-3-methylphenol	59-50-7	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-Chloroaniline	106-47-8	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-Methylphenol	106-44-5	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-Nitroaniline	100-01-6	5	<10 U	<10 U	<10 U	<9 U	<10 U	<10 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	<10 U
4-Nitrophenol	100-02-7	NL	<10 U	<10 U	<10 U	<9 U	<10 U	<10 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	<10 U
Aniline	62-53-3	NL	<10 U	<10 U	<10 U	<9 U	<10 U	<10 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	<10 U
Benzoic acid	65-85-0	NL	<140 U	<140 U	<140 U	<140 U	<140 U	<140 U	<150 U	<140 U	<140 U	<140 U	<150 U	<140 U	<150 U
Benzyl alcohol	100-51-6	NL	<19 U	<19 U	<19 U	<19 U	<19 U	<19 U	<20 U	<19 U	<19 U	<19 U	<20 U	<19 U	<20 U
Bis(2-chloroethoxy) methane	111-91-1	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Bis(2-chloroethyl) ether	111-44-4	1	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Bis(2-ethylhexyl) phthalate	117-81-7	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Butyl benzyl phthalate	85-68-7	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Dibenzofuran	132-64-9	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**43**	**34**
Diethyl phthalate	84-66-2	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Dimethyl phthalate	131-11-3	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Di-n-butyl phthalate	84-74-2	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	0.3 U	<5 U	**0.3 J**	0.3 U
Di-n-octyl phthalate	117-84-0	NL	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Hexachlorobenzene	118-74-1	0.4	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Hexachlorobutadiene	87-68-3	0.5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Hexachlorocyclopentadiene	77-47-4	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Hexachloroethane	67-72-1	5	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Isophorone	78-59-1	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Nitrobenzene	98-95-3	0.4	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
N-Nitroso-Di-n-propylamine	621-64-7	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
N-nitrosodiphenylamine	86-30-6	50	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Pentachlorophenol	87-86-5	1	<10 U	<10 U	<10 U	<9 U	<10 U	<10 U	<10 U	<10 U	<9 U	<9 U	<10 U	<10 U	<10 U
Phenol	108-95-2	1	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**2 J**
Total SVOCs (ug/L)	NA	NL	ND	ND	ND	ND	ND	ND	ND	**12.3**	ND	ND	ND	**209.7**	**166.2**

Notes:
NL = Not Listed
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit.
Shaded and bolded value - compound detected above regulatory guidance value.
NA = Not Analyzed
ND = Not Detected
Note(1) - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) - 6 NYCRR 703.5 [NYSDEC, 1998].

Historical Vapor Results

Ithaca Court Street
Indoor Air Sampling Results

Sample ID	IA-1		IA-2		IA-3		IA-4		IA-5		IA-6		IA-7		IA-8		IA-22		IA-23		IA-24		IA-25		IA-26	
Date Sampled	9/18/2002		9/18/2002		9/19/2002		9/19/2002		9/19/2002		9/19/2002		9/19/2002		9/20/2002		9/27/02		9/27/02		9/27/02		9/27/02		9/27/02	
Sample Location	Basement		First Floor		Outside/ Ambient		Soil Gas		Soil Gas		Basement		First Floor		Soil Gas		Soil Gas		Soil Gas		Outside/ Ambient		First Floor		Basement	
Units	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3
Volatile Organics																										
Dichlorodifluoromethane	0.63 J	3.1 J	0.58	2.9	0.78	3.9	0.80	4.0	0.75	3.7	0.82	4.0	0.97	4.8	0.65	3.2	1.1	5.4	0.74	3.6	0.57	2.8	0.78	3.8	0.63	3.1
Chloromethane	2.2 U	4.4 U	0.61 J	1.3 J	0.55 J	1.1 J	0.66 J	1.4 J	0.1 J	0.21 J	0.69 J	1.4 J	0.78 J	1.6 J	0.30 J	0.61 J	0.30 J	0.62 J	0.58 J	1.2 J	0.85	1.7	0.21 U	1.1 U	0.53 J	1.1 J
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.86 U	6.0 U	0.41 U	2.8 U	0.46 U	3.2 U	0.39 U	2.7 U	0.34 U	2.4 U	0.42 U	2.9 U	0.50 U	3.5 U	0.41 U	2.8 U	0.36 U	2.5 U	0.36 U	2.5 U	0.34 U	2.4 U	0.21 U	1.5 U	0.36 U	2.5 U
Vinyl Chloride	0.86 U	2.2 U	0.41 U	1.0 U	0.46 U	1.2 U	0.38 U	1.0 U	0.34 U	0.86 U	0.42 U	1.1 U	0.50 U	1.3 U	0.41 U	1.0 U	0.36 U	0.93 U	0.36 U	0.9 U	0.34 U	0.9 U	0.21 U	0.54 U	0.36 U	0.93 U
Bromomethane	0.86 U	3.3 U	0.41 U	1.6 U	0.46 U	1.8 U	0.39 U	1.5 U	0.34 U	1.3 U	0.42 U	1.6 U	0.50 U	1.9 U	0.41 U	1.6 U	0.36 U	1.4 U	0.36 U	1.4 U	0.34 U	1.3 U	0.21 U	0.82 U	0.36 U	1.4 U
Chloroethane	0.86 U	2.3 U	0.41 U	1.1 U	0.46 U	1.2 U	0.39 U	1 U	0.34 U	0.89 U	0.42 U	1.1 U	0.50 U	1.3 U	0.41 U	1.1 U	0.36 U	0.96 U	0.36 U	1.0 U	0.34 U	0.9 U	0.21 U	0.56 U	0.36 U	0.96 U
Trichlorofluoromethane	0.86 U	4.8 U	0.29 J	1.6 J	0.39 J	2.2 J	0.88	4.9	0.35	2	0.35 J	2 J	0.49 J	2.8 J	0.27 J	1.5 J	0.35 J	2.0 J	0.87	4.9	0.23 J	1.3 J	0.31	1.8	0.26	1.4 J
1,1-Dichloroethene	0.86 U	3.4 U	0.41 U	1.8 U	0.46 U	1.8 U	0.39 U	1.6 U	0.34 U	1.3 U	0.42 U	1.6 U	0.50 U	2.0 U	0.41 U	1.6 U	0.36 U	1.4 U	0.36 U	1.4 U	0.34 U	1.3 U	0.21 U	0.84 U	0.36 U	1.4 U
Methylene Chloride	2.2 U	7.5 U	1.0 U	3.5 U	1.0 U	3.4 U	1.0 U	3.4 U	0.8 U	2.9 U	1.0 U	3.6 U	1.2 U	4.3 U	0.60 JS	2.1 JS	0.39 U	3.2 U	0.90 U	3.1 U	0.85 U	3.0 U	0.53 U	1.8 U	0.91 U	3.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.86 U	6.6 U	0.41 U	3.1 U	0.46 U	3.5 U	0.44 J	3.4 J	0.34 U	2.6 U	0.42 U	3.2 U	0.50 U	3.8 U	0.41 U	3.1 U	0.36 U	2.8 U	0.36 U	2.8 U	0.34 U	2.6 U	0.21 U	1.6 U	0.36 U	2.8 U
1,1-Dichloroethane	0.86 U	3.5 U	0.41 U	1.8 U	0.46 U	1.9 U	0.39 U	1.6 U	0.34 U	1.3 U	0.42 U	1.6 U	0.50 U	2.0 U	0.41 U	1.6 U	0.36 U	1.5 U	0.36 U	1.5 U	0.34 U	1.4 U	0.21 U	0.86 U	0.36 U	1.1 U
cis-1,2-Dichloroethene	0.86 U	3.4 U	0.41 U	1.6 U	0.46 U	1.8 U	0.39 U	1.8 U	0.34 U	1.3 U	0.42 U	1.6 U	0.50 U	2 U	0.41 U	1.6 U	0.36 U	1.4 U	0.36 U	1.4 U	0.34 U	1.3 U	0.21 U	0.84 U	0.36 U	1.4 U
Chloroform	0.86 U	4.2 U	0.41 U	2.0 U	0.46 U	2.2 U	6.0	29	4.6	23	0.4 U	2 U	0.50 U	2.4 U	0.61	3.0	3.0	15	2.5	1.8	0.34 U	1.7 U	0.14 J	0.69 J	0.36 U	1.8 U
1,1,1-Trichloroethane	0.86 U	4.7 U	0.41 U	2.2 U	0.46 U	2.5 U	1.6	8.6	0.14 J	0.74 J	0.26 J	1.4 J	0.50 U	2.7 U	0.41 U	2.2 U	0.26 J	1.4 J	0.36 U	1.9 U	0.34 U	1.9 U	0.21 U	1.20 U	0.36 U	2 U
Benzene	0.86 U	2.7 U	0.41 U	1.3 U	0.31 J	0.98 J	2.0	6.3	0.48	1.5	1.0	3.3	0.69	2.2	1.3	4.2	6.1	16	2.8	8.8	1.2	3.7	0.81	2.6	1.1	3.4
Carbon Tetrachloride	0.86 U	5.4 U	0.41 U	2.6 U	0.46 U	2.9 U	0.39 U	2.5 U	0.34 U	2.1 U	0.42 U	2.6 U	0.50 U	3.1 U	0.41 U	2.6 U	0.36 U	2.3 U	0.36 U	2.3 U	0.34 U	2.1 U	0.21 U	1.3 U	0.36 U	2.3 U
1,2-Dichloropropane	0.86 U	4.0 U	0.41 U	1.6 U	0.46 U	2.1 U	0.39 U	1.8 U	0.34 U	1.6 U	0.42 U	1.9 U	0.50 U	2 U	0.41 U	1.9 U	0.36 U	1.7 U	0.36 U	1.7 U	0.34 U	1.6 U	0.21 U	0.98 U	0.36 U	1.7 U
Trichloroethene	0.86 U	4.6 U	0.41 U	2.2 U	0.46 U	2.5 U	0.39 U	2.1 U	0.34 U	1.8 U	0.42 U	2.2 U	0.50 U	2.7 U	0.41 U	2.2 U	0.36 U	2.0 U	0.36 U	1.9 U	0.34 U	1.5 U	0.21 U	1.1 U	0.36 U	2 U
cis-1,3-Dichloropropene	0.86 U	3.9 U	0.41 U	1.8 U	0.46 U	2.1 U	0.39 U	1.8 U	0.34 U	1.5 U	0.42 U	1.9 U	0.50 U	2.3 U	0.41 U	1.8 U	0.36 U	1.7 U	0.36 U	1.6 U	0.34 U	1.5 U	0.21 U	1.0 U	0.36 U	1.7 U
trans-1,3-Dichloropropene	0.86 U	3.9 U	0.41 U	1.8 U	0.46 U	2.1 U	0.39 U	1.8 U	0.34 U	1.5 U	0.42 U	1.9 U	0.50 U	2.3 U	0.41 U	1.8 U	0.36 U	1.7 U	0.36 U	1.6 U	0.34 U	1.5 U	0.21 U	1.0 U	0.36 U	1.7 U
1,2- Dichloroethane	0.86 U	4.7 U	0.41 U	1.6 U	0.46 U	1.9 U	0.39 U	1.6 U	0.34 U	1.4 U	0.42 U	1.7 U	0.50 U	2.0 U	0.41 U	1.6 U	0.36 U	1.5 U	0.36 U	1.5 U	0.34 U	1.4 U	0.21 U	0.86 U	0.36 U	1.5 U
1,1,2-Trichloroethane	0.86 U	4.7 U	0.41 U	2.2 U	0.46 U	2.5 U	0.39 U	2.1 U	0.34 U	1.8 U	0.42 U	2.3 U	0.50 U	2.7 U	0.41 U	2.2 U	0.36 U	2.0 U	0.36 U	2.0 U	0.34 U	1.9 U	0.21 U	1.2 U	0.36 U	2 U
Toluene	0.82 J	3.1 J	0.41 U	1.5 U	0.76	2.9	13	49	3.5	13	17	66	38	140	2.6	9.8	47	180	18	68	2.8	11.0	2.1	7.8	2.4	9
1,2-Dibromoethane	0.86 U	6.6 U	0.41 U	3.1 U	0.46 U	3.5 U	0.39 U	3.0 U	0.34 U	2.6 U	0.42 U	3.2 U	0.50 U	3.8 U	0.41 U	3.1 U	0.36 U	2.8 U	0.36 U	2.8 U	0.34 U	2.6 U	0.21 U	1.6 U	0.36 U	2.8 U
Tetrachloroethene	0.86 U	5.8 U	0.41 U	2.8 U	0.46 U	3.1 U	0.31 J	2.1 J	2.9	19	0.42 U	2.8 U	0.50 U	3.4 U	0.38 J	2.6 J	1.9	13	0.31 J	2.1 J	0.34 U	2.3 U	0.21 U	1.4 U	0.36 U	2.5 U
Chlorobenzene	0.86 U	4.0 U	0.41 U	1.9 U	0.46 U	2.1 U	0.39 U	1.8 U	0.34 U	1.6 U	0.42 U	1.9 U	0.50 U	2.3 U	0.41 U	1.9 U	0.36 U	1.7 U	0.36 U	1.7 U	0.34 U	1.6 U	0.21 U	1.0 U	0.36 U	1.7 U
Ethylbenzene	0.86 U	3.7 U	0.41 U	1.8 U	0.46 U	2 U	2.9	13	0.40	1.7	0.95	4.1	0.43 J	1.9 J	0.26 J	1.1 J	4.4 BV	19.0 BV	1.8 BV	7.8 BV	0.34 U	1.5 U	0.21 U	0.9 U	0.36 U	1.6 U
Styrene	0.86 U	3.7 U	0.41 U	1.7 U	0.46 U	2 U	0.69	2.9	0.34 U	1.4 U	0.42 U	1.8 U	0.50 U	2.1 U	0.41 U	1.7 U	0.36 U	1.6 U	0.36 U	1.5 U	0.34 U	1.4 U	0.21 U	0.90 U	0.36 U	1.6 U
1,1,2,2-Tetrachloroethane	0.86 U	5.9 U	0.41 U	2.8 U	0.46 U	3.1 U	0.39 U	2.1 U	0.34 U	2.3 U	0.42 U	2.9 U	0.50 U	3.4 U	0.41 U	2.8 U	0.36 U	2.5 U	0.36 U	2.5 U	0.34 U	2.3 U	0.21 U	1.5 U	0.36 U	2.5 U
m- and p-Xylene	0.86 U	3.7 U	0.41 U	1.8 U	0.38 J	1.6 J	12	53	1.4	6.2	3.6	16	1.6	7	1.3	5.7	20 BV	88 BV	3.8 BV	16 BV	1.5 BV	6.4 BV	1.1 BV	4.9 BV	1.2 BV	5.1 BV
o-Xylene	0.86 U	3.7 U	0.41 U	1.8 U	0.46 U	2 U	3.9	17	0.58	2.5	1.3	5.7	0.57	2.5	0.35 J	1.5 J	5.5 BV	24 BV	1.0 BV	4.5 BV	0.34 U	1.5 U	0.21 U	0.9 U	0.36 U	1.6 U
1,3,5-Trimethylbenzene	0.86 U	4.2 U	0.41 U	2.0 U	0.20 J	0.99 J	17	83	5.1	25	0.31 J	1.5 J	0.24 J	1.2 J	0.39 J	1.9 J	6.1	30	0.69	3.4	0.16 J	0.77 J	0.28	1.4	0.36 U	1.8 U
1,2,4-Trimethylbenzene	0.86 U	4.2 U	0.41 U	2.0 U	0.30 J	1.5 J	30	150	3.7	18	1.1	5.4	0.56	2.8	0.30 J	1.5 J	6.5	32	0.92	4.5	0.41	2.0	0.87	4.3	0.39	1.9
1,3-Dichlorobenzene	0.86 U	5.2 U	0.41 U	2.4 U	0.46 U	2.8 U	0.39 U	2.4 U	0.34 U	2 U	0.42 U	2.5 U	0.50 U	3.0 U	0.41 U	2.4 U	0.36 U	2.2 U	0.36 U	2.2 U	0.34 U	2.0 U	0.21 U	1.3 U	0.36 U	2.2 U
1,4-Dichlorobenzene	0.86 U	5.2 U	0.41 U	2.4 U	0.46 U	2.8 U	0.23 J	1.4 J	0.34 U	2 U	0.42 U	2.5 U	0.50 U	3.0 U	0.41 U	2.4 U	0.36 U	2.2 U	0.36 U	2.2 U	0.34 U	2.0 U	0.21 U	1.3 U	0.36 U	2.2 U
1,2-Dichlorobenzene	0.86 U	5.2 U	0.41 U	2.4 U	0.46 U	2.8 U	0.39 U	2.4 U	0.34 U	2 U	0.42 U	2.5 U	0.50 U	3.0 U	0.41 U	2.4 U	0.36 U	2.2 U	0.36 U	2.2 U	0.34 U	2.0 U	0.21 U	1.3 U	0.36 U	2.2 U
1,2,4-Trichlorobenzene	0.86 U	5.2 U	0.41 U	2.4 U	0.24 J	1.8 J	0.39 U	2.9 U	0.34 U	2.5 U	0.42 U	3.1 U	0.50 U	3.7 U	0.41 U	3.0 U	0.36 U	2.7 U	0.36 U	2.7 U	0.34 U	2.5 U	0.21 U	1.6 U	0.36 U	2.7 U
Hexachlorobutadiene	0.86 U	6.4 U	0.41 U	4.3 U	0.29 J	3.1 J	0.39 U	4.2 U	0.34 U	3.6 U	0.42 U	4.4 U	0.50 U	5.3 U	0.41 U	4.3 U	0.36 U	3.9 U	0.36 U	3.9 U	0.34 U	3.6 U	0.21 U	2.3 U	0.36 U	3.9 U
Naphthalene	0.86 U	4.5 U	0.41 U	2.1 U	0.46 U	2.4 U	3.4	18	0.29 J	1.5 J	0.36 J	1.9 J	0.44 J	2.3 J	0.41 U	2.1 U	0.32 J	1.7 J	0.36 U	1.9 U	0.34 U	1.8 U	0.21 U	1.1 U	0.36 U	1.9 U

U - The compound was analyzed for but not detected at or above the quantitation limit indicated
J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value less than the practical quantitation limit (PQL) for the compound and the result reported is considered estimated
B - The associated method blank exhibited the target analyte at a reportable level
V - The result reported is considered estimated due to variance from quality control criteria
S - The result reported is suspected to be at least partially lab-derived and not necessarily site-related. The result reported is considered estimated
Bold typeface indicates that the analyte was detected

Ithaca Court Street
Indoor Air Sampling Results

Sample ID	IA-9		IA-10		IA-11		IA-12		IA-13		IA-14		IA-15		IA-16		IA-17		IA-18		IA-19		IA-20		IA-21		IA-27		IA-28	
Date Sampled	9/20/2002		9/23/2002		9/25/2002		9/25/2002		9/25/2002		9/26/2002		9/26/2002		9/26/2002		9/26/2002		9/26/02		9/26/02		9/26/02		9/27/02		10/05/01		10/05/01	
Sample Location	Soil Gas		Soil Gas		Soil Gas		First Floor		Basement		Basement		First Floor		Basement		First Floor		Basement		First Floor		Soil Gas		Soil Gas		Soil Gas		Soil Gas	
Units	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3	ppb v/v	ug/m^3
Volatile Organics																														
Dichlorodifluoromethane	0.77	3.8	0.65	3.2	0.80	4.0 J	1.2	5.8	8.4	41	0.66	3.2	0.77	3.8	0.78	3.8	3.1	15	0.84	4.2	0.61 J	3.0 J	0.74	3.7	1.0	4.9	0.72 J	3.6 J	0.96	4.7
Chloromethane	0.23 J	0.47 J	0.63 J	1.3 J	0.75 J	1.6 J	0.53	1.1	1.1 U	2.3 U	0.50 J	1.0 J	0.61 J	1.3 J	0.47 J	0.97 J	0.75 J	1.5 J	0.44 J	0.91 J	0.47 J	0.97 J	0.95 U	2.0 U	0.48 J	1.0 J	2.2 U	4.4 U	3.0	6.3
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.40 U	2.8 U	0.30 U	3.2 U	0.39 U	2.7 U	0.19 U	1.3 U	0.45 U	3.2 U	0.39 U	2.7 U	0.41 U	2.9 U	0.37 U	2.6 U	0.33 U	2.3 U	0.35 U	2.4 U	0.70 U	4.9 U	0.38 U	2.7 U	0.39 U	2.7 U	0.86 U	6.0 U	0.35 J	2.5 J
Vinyl Chloride	0.40 U	1.0 U	0.30 U	0.77 U	0.39 U	0.99 U	0.19 U	0.49 U	0.45 U	1.2 U	0.39 U	1.0 U	0.41 U	1.1 U	0.37 U	0.94 U	0.33 U	0.85 U	0.35 U	0.89 U	0.70 U	1.8 U	0.38 U	0.97 U	0.39 U	1.0 U	0.86 U	2.2 U	.47 U	1.2 U
Bromomethane	0.40 U	1.6 U	0.30 U	1.2 U	0.39 U	1.5 U	0.19 U	0.75 U	0.45 U	1.8 U	0.39 U	1.5 U	0.41 U	1.6 U	0.37 U	1.4 U	0.33 U	1.3 U	0.35 U	1.4 U	0.70 U	2.7 U	0.38 U	1.5 U	0.39 U	1.5 U	0.86 U	3.3 U	0.49	1.9
Chloroethane	0.40 U	1.1 U	0.30 U	0.80 U	0.39 U	1.0 U	0.19 U	0.51 U	0.45 U	1.2 U	0.39 U	1.0 U	0.41 U	1.1 U	0.37 U	1.4 U	0.33 U	0.88 U	0.35 U	0.92 U	0.70 U	1.8 U	0.38 U	1.0 U	0.39 U	1.0 U	0.86 U	2.3 U	1.0	2.8
Trichlorofluoromethane	0.68	3.8	0.33	1.9	18	100	0.55	3.1	2.8	15	0.70	3.9	0.69	3.9	0.41	2.3	1.5	8.4	0.76	4.3	0.42 J	2.4 J	0.40	2.2	0.86	4.8	0.39 J	2.2 J	1.3	7.5
1,1-Dichloroethene	0.40 U	1.6 U	0.30 U	1.2 U	0.39 U	1.5 U	0.19 U	0.76 U	0.45 U	1.8 U	0.39 U	1.5 U	0.41 U	1.6 U	0.37 U	1.5 U	0.33 U	1.3 U	0.35 U	1.4 U	0.70 U	2.8 U	0.38 U	1.5 U	0.39 U	1.6 U	0.86 U	3.5 U	0.35 J	1.4 J
Methylene Chloride	4.3 S	15 S	0.30 U	2.6 U	0.97 U	3.4 U	0.48 U	1.7 U	1.1 U	3.9 U	0.86 U	3.0 U	1.0 U	3.6 U	0.37 U	3.2 U	0.84 U	2.9 U	32 S	110 S	33 S	120 S	0.95 U	3.3 U	0.98 U	3.4 U	2.3 S	7.9 S	16 S	57 S
1,1,2-Trichloro-1,2,2-trifluoroethane	0.40 U	3.1 U	0.30 U	2.3 U	0.39 U	3.0 U	0.13 J	0.99 J	0.45 U	3.5 U	0.39 U	3.0 U	0.41 U	3.2 U	0.37 U	2.8 U	0.33 U	2.6 U	0.35 U	2.7 U	0.70 U	5.3 U	0.38 U	2.9 U	0.39 U	3.0 U	0.86 U	6.6 U	0.41 J	3.1 J
1,1-Dichloroethane	0.40 U	1.6 U	0.30 U	1.2 U	0.39 U	1.6 U	0.19 U	0.78 U	0.45 U	1.8 U	0.39 U	3.4 U	0.41 U	1.7 U	0.37 U	1.5 U	0.33 U	1.3 U	0.35 U	1.4 U	0.70 U	2.8 U	0.38 U	1.5 U	0.39 U	1.6 U	0.86 U	3.5 U	0.35 J	1.3 J
cis-1,2-Dichloroethene	0.40 U	1.6 U	0.30 U	1.2 U	0.39 U	1.5 U	0.19 U	0.76 U	0.45 U	1.8 U	0.39 U	1.5 U	0.41 U	1.6 U	0.37 U	1.5 U	0.33 U	1.3 U	0.35 U	1.4 U	0.70 U	2.8 U	0.38 U	1.5 U	0.39 U	1.6 U	0.86 U	3.4 U	0.34 J	1.3 J
Chloroform	4.6	22	4.8	23	11	53	0.27	1.3	0.32 J	1.6 J	0.39 U	1.9 U	0.28 J	1.3 J	0.37 U	1.8 U	0.52	2.5	0.35 U	1.7 U	0.70 U	3.4 U	3.4	17	12	60	0.86 U	4.2 U	.47 U	2.3 U
1,1,1-Trichloroethane	0.40 U	2.2 U	0.37	2.0	0.17 J	0.95 J	0.19 U	1.0 U	0.45 U	2.5 U	0.39 U	2.1 U	0.41 U	2.2 U	0.37 U	2.0 U	0.33 U	1.8 U	0.35 U	1.9 U	0.70 U	3.8 U	0.81	4.4	0.39 U	2.1 U	0.50 J	2.7 J	2.9	16
Benzene	0.40 U	1.3 U	2.2	7.1	4.3	14	0.42	1.3	0.59	1.9	0.41	1.3	0.54	1.7	0.39	1.3	0.69	2.2	1.3	4.2	0.82	2.2	5.7	18	3.2	10	110	340	11	34
Carbon Tetrachloride	0.40 U	2.5 U	0.30 U	1.9 U	0.39 U	2.4 U	0.19 U	1.2 U	0.45 U	2.9 U	0.39 U	2.5 U	0.41 U	2.6 U	0.37 U	2.3 U	0.33 U	2.1 U	0.35 U	2.2 U	0.70 U	4.4 U	0.38 U	2.4 U	0.39 U	2.5 U	0.86 U	5.4 U	.47 U	3.0 U
1,2-Dichloropropane	0.40 U	1.9 U	0.30 U	1.4 U	0.39 U	1.6 U	0.19 U	0.89 U	0.45 U	2.1 U	0.39 U	1.8 U	0.41 U	1.9 U	0.37 U	1.7 U	0.33 U	1.5 U	0.35 U	1.4 U	0.70 U	3.2 U	0.38 U	1.8 U	0.39 U	1.8 U	0.86 U	4.0 U	0.34 J	1.6 J
Trichloroethene	0.40 U	2.2 U	0.30 U	1.6 U	0.39 U	2.1 U	0.19 U	1.0 U	0.77	4.1	0.39 U	2.1 U	0.41 U	2.2 U	0.37 U	2.0 U	0.33 U	1.8 U	0.35 U	1.9 U	0.70 U	3.8 U	0.38 U	2.0 U	0.39 U	2.1 U	0.76 J	4.1 J	0.81	4.3
cis-1,3-Dichloropropene	0.40 U	1.8 U	0.30 U	1.4 U	0.39 U	1.8 U	0.19 U	0.87 U	0.45 U	2.1 U	0.39 U	1.8 U	0.41 U	1.9 U	0.37 U	1.7 U	0.33 U	1.5 U	0.35 U	1.6 U	0.70 U	3.2 U	0.38 U	1.7 U	0.39 U	1.8 U	0.86 U	3.9 U	0.47 U	2.2 U
trans-1,3-Dichloropropene	0.40 U	1.8 U	0.30 U	1.4 U	0.39 U	1.8 U	0.19 U	0.87 U	0.45 U	2.1 U	0.39 U	1.8 U	0.41 U	1.9 U	0.37 U	1.7 U	0.33 U	1.5 U	0.35 U	1.6 U	0.70 U	3.2 U	0.38 U	1.7 U	0.39 U	1.8 U	0.86 U	3.9 U	0.47 U	2.2 U
1,2- Dichloroethane	0.40 U	1.6 U	0.30 U	1.2 U	0.39 U	1.8 U	0.19 U	0.78 U	0.45 U	1.8 U	0.39 U	1.6 U	0.41 U	1.7 U	0.37 U	1.5 U	0.33 U	1.4 U	0.35 U	1.4 U	0.70 U	2.8 U	0.38 U	1.5 U	0.39 U	1.6 U	0.86 U	3.5 U	0.34 J	1.4 J
1,1,2-Trichloroethane	0.40 U	2.2 U	0.30 U	1.6 U	0.39 U	2.1 U	0.19 U	1.0 U	0.45 U	2.5 U	0.39 U	2.1 U	0.41 U	2.2 U	0.37 U	2.0 U	0.33 U	1.8 U	0.35 U	1.9 U	0.70 U	3.8 U	0.38 U	1.5 U	0.39 U	2.1 U	0.86 U	4.7 U	0.47 U	2.6 U
Toluene	0.40 U	1.5 U	7.2	27	41	150	2.1	7.9	7.1	27	1.70	6.4	3.0	11	0.58	2.2	3.7	14	9.3	35	8.0	30	17	65	21	78	73	280	8.0	30
1,2-Dibromoethane	0.40 U	3.1 U	0.30 U	2.3 U	0.39 U	3.0 U	0.19 U	1.5 U	0.45 U	3.5 U	0.39 U	3.0 U	0.41 U	3.2 U	0.37 U	2.8 U	0.33 U	2.6 U	0.35 U	2.7 U	0.70 U	5.4 U	0.38 U	2.9 U	0.39 U	3.0 U	0.86 U	6.6 U	0.35 J	2.7 J
Tetrachloroethene	0.40 U	2.7 U	5.2	35	1.3	8.6	0.12 J	0.79 J	0.45 U	3.1 U	0.39 U	2.6 U	0.41 U	2.8 U	0.37 U	1.7 U	0.33 U	2.3 U	0.35 U	2.4 U	0.70 U	4.7 U	14	95	0.27 J	1.8 J	6.5	44	12	79
Chlorobenzene	0.40 U	1.9 U	0.30 U	1.4 U	0.39 U	1.8 U	0.19 U	0.88 U	0.45 U	2.1 U	0.39 U	1.8 U	0.41 U	1.9 U	0.37 U	1.7 U	0.33 U	1.5 U	0.35 U	1.6 U	0.70 U	3.2 U	0.38 U	1.7 U	0.39 U	1.8 U	0.86 U	4.0 U	0.47 U	2.2 U
Ethylbenzene	0.40 U	1.8 U	1.6	7.1	7.4	32	0.09 J	0.39 J	0.21 J	0.93 J	0.39 U	1.7 U	0.28 J	1.2 J	0.37 U	1.6 U	0.18 J	0.79 J	1.6	7.0	1.0	4.5	1.5	6.4	3.6	16	11	48	0.84	3.7
Styrene	0.40 U	1.7 U	0.24 J	1.0 J	0.26 J	1.1 J	0.19 U	0.82 U	0.45 U	1.9 U	0.39 U	1.7 U	0.41 U	1.8 U	0.37 U	1.6 U	0.33 U	1.4 U	0.60	2.1	0.70 U	3.0 U	0.38 U	1.6 U	0.60	2.5	32	140	0.47 U	2.0 U
1,1,2,2-Tetrachloroethane	0.40 U	2.8 U	0.30 U	2.1 U	0.39 U	2.7 U	0.19 U	1.3 U	0.45 U	3.1 U	0.39 U	2.7 U	0.41 U	2.8 U	0.37 U	2.5 U	0.33 U	2.30 U	0.35 U	2.4 U	0.70 U	4.8 U	0.38 U	2.6 U	0.39 U	2.7 U	0.86 U	5.9 U	0.47 U	3.3 U
m- and p-Xylene	0.40 U	1.8 U	6.8	26	7.6	33	0.26	1.2	0.61	2.7	0.63 B	2.7 B	1.1	4.8	0.24 J	1.1 J	0.63	2.7	7.8	34	4.3	19	4.3	19	10	44	71	310	4.1	18
o-Xylene	0.40 U	1.7 U	2.3	10	2.9	13	0.12 J	0.51 J	0.23 J	1.0 J	0.23 J	1.0 J	0.42	1.8	0.37 U	1.6 U	0.22 J	1.0 J	2.8	12	1.4	6.2	1.5	6.5	4.1	18	30	130	2.2	9.6
1,3,5-Trimethylbenzene	0.40 U	2.0 U	4.7	23	11	55	0.10 J	0.52 J	0.45 U	2.2 U	0.39 U	1.9 U	0.21 J	1.0 J	0.37 U	1.6 U	0.33 U	1.6 U	2.0	10.0	0.73	3.6	1.8	8.8	16	77	11	54	1.9	9.4
1,2,4-Trimethylbenzene	0.40 U	2.0 U	3.6	18	18	87	0.13 J	0.66 J	0.22 J	1.1 J	0.23 J	1.1 J	0.52	2.6	0.37 U	1.8 U	0.17 J	0.81 J	4.9	24	1.9	9.3	2.0	9.8	26	120	25	120	4.6	22
1,3-Dichlorobenzene	0.40 U	2.4 U	0.30 U	1.8 U	0.39 U	2.3 U	0.19 U	1.2 U	0.45 U	2.7 U	0.39 U	2.3 U	0.41 U	2.5 U	0.37 U	2.2 U	0.33 U	2.0 U	0.35 U	2.1 U	0.70 U	4.2 U	0.38 U	2.3 U	0.39 U	2.4 U	0.86 U	5.2 U	0.47 U	2.8 U
1,4-Dichlorobenzene	0.40 U	2.4 U	0.30 U	1.8 U	0.23 J	1.4 J	0.19 U	1.2 U	0.45 U	2.7 U	0.39 U	2.3 U	0.41 U	2.5 U	0.37 U	2.2 U	0.33 U	2.0 U	0.35 U	2.1 U	0.70 U	4.2 U	0.23 J	1.4 J	0.26 J	1.6 J	0.86 U	5.2 U	0.47 U	2.8 U
1,2-Dichlorobenzene	0.40 U	2.4 U	0.30 U	1.8 U	0.39 U	2.3 U	0.19 U	1.2 U	0.45 U	2.7 U	0.39 U	2.3 U	0.41 U	2.5 U	0.37 U	2.2 U	0.33 U	2.0 U	0.35 U	2.1 U	0.70 U	4.2 U	0.38 U	2.3 U	0.39 U	2.4 U	0.86 U	5.2 U	0.47 U	2.8 U
1,2,4-Trichlorobenzene	0.40 U	3.0 U	0.30 U	12.2 U	0.39 U	2.9 U	0.19 U	1.2 U	0.45 U	3.4 U	0.39 U	2.9 U	0.41 U	3.1 U	0.37 U	2.7 U	0.33 U	2.0 U	0.35 U	2.6 U	0.70 U	5.2 U	0.38 U	2.8 U	0.39 U	2.9 U	0.86 U	6.4 U	0.47 U	3.5 U
Hexachlorobutadiene	0.40 U	4.3 U	0.30 U	3.2 U	0.39 U	4.1 U	0.19 U	2.0 U	0.45 U	4.8 U	0.39 U	4.2 U	0.41 U	4.4 U	0.37 U	3.9 U	0.33 U	2.5 U	0.35 U	3.7 U	0.70 U	7.4 U	0.38 U	4.7 U	0.39 U	4.2 U	0.86 U	9.2 U	0.47 U	5.1 U
Naphthalene	0.40 U	2.1 U	0.30 U	1.6 U	0.30 J	1.6 J	0.19 U	1.0 U	0.45 U	2.4 U	0.39 U	2.0 U	0.41 U	2.2 U	0.37 U	1.9 U	0.33 U	3.6 U	0.26 J	1.3 J	0.70 U	3.7 U	0.32 J	1.7 J	0.41	2.1	14	75	0.45 J	2.4 J

U - The compound was analyzed for but not detected at or above the quantitation limit indicated
J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value less than the practical quantitation limit (PQL) for the compound and the result reported is considered estimated
B - The associated method blank exhibited the target analyte at a reportable level
V - The result reported is considered estimated due to variance from quality control criteria
S - The result reported is suspected to be at least partially lab-derived and not necessarily site-related. The result reported is considered estimated
Bold typeface indicates that the analyte was detected

NYSEG / Ithaca Court Street
Field Volatilization Pilot Study
Soil Gas Results

	Location 1						Location 2									
Sample ID	**SG-3**		**SG-2**		**SG-1**		**SG-4**		**SG-5**		**SG-6**		**SG-7**		**SG-8**	
Date Sampled	10/1/02		10/1/02		10/1/02		10/1/02		10/1/02		10/1/02		10/1/02		10/1/02	
Depth Sampled (fbg)	2.5-3.5		3.5-4.5		4.5-5.5		4-5		3-4		2-3		4-5		4-5	
Units	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3
Volatile Organics																
Dichlorodifluoromethane	**0.70**	**3.5**	**0.76**	**3.8**	**0.72 J**	**3.6 J**	**0.83 J**	**4.1 J**	**0.72**	**3.6**	**0.76**	**3.7**	**1.0 J**	**5.0 J**	**2.2**	**11**
Chloromethane	0.46 U	2.4 U	0.47 U	2.4 U	0.93 U	4.8 U	4.6 U	9.4 U	0.50 U	2.6 U	**0.44 J**	**0.91 J**	3.8 U	7.9 U	**1.1 J**	**2.2 J**
Dichloroterafluoroethane	0.46 U	3.2 U	0.47 U	3.3 U	0.93 U	6.5 U	1.8 U	13.0 U	0.50 U	3.5 U	0.25 U	1.8 U	1.5 U	11 U	0.60 U	4.2 U
Vinyl Chloride	0.46 U	1.2 U	0.47 U	1.2 U	0.93 U	2.4 U	1.8 U	4.7 U	0.50 U	1.3 U	0.25 U	0.64 U	1.5 U	3.9 U	0.60 U	1.50 U
Bromomethane	0.46 U	1.8 U	0.47 U	1.8 U	0.93 U	3.6 U	1.8 U	7.1 U	0.50 U	1.9 U	0.25 U	0.98 U	1.5 U	6.0 U	0.60 U	2.3 U
Chloroethane	0.46 U	1.2 U	0.47 U	1.2 U	0.93 U	2.4 U	1.8 U	4.8 U	0.50 U	1.3 U	0.25 U	0.66 U	1.5 U	4.0 U	0.60 U	1.6 U
Trichlorofluoromethane	**0.31 J**	**1.8 J**	**0.35 J**	**1.9 J**	**0.52 J**	**2.9** J	1.8 U	10 U	**0.33 J**	**1.9 J**	**0.32**	**1.8**	3.8 U	8.6 U	**0.43 J**	**2.4 J**
1,1-Dichloroethene	0.46 U	1.8 U	0.47 U	1.8 U	0.93 U	3.7 U	1.8 U	7.2 U	0.50 U	2.0 U	0.25 U	1.0 U	1.5 U	6.1 U	0.60 U	2.4 U
Methylene Chloride	**0.58 J**	**2.0 J**	**0.73 J**	**2.5 J**	**4.2**	**15**	4.6 U	16 U	**0.71 JB**	**2.5 JB**	**0.41 J**	**1.4 J**	1.5 U	13 U	1.5 U	5.2 U
Trichlorotrifluoroethane	0.46 U	3.5 U	0.47 U	3.6 U	0.93 U	7.1 U	1.8 U	14 U	0.50 U	3.8 U	0.25 U	**1.9**	1.5 U	12 U	0.60 U	4.6 U
1,1-Dichloroethane	0.46 U	1.9 U	0.47 U	1.9 U	0.93 U	3.7 U	1.8 U	7.4 U	0.50 U	2.0 U	0.25 U	1.0 U	1.5 U	6.2 U	0.60 U	2.4 U
Cis-1,2-Dichloroethene	0.46 U	1.8 U	0.47 U	1.8 U	0.93 U	3.7 U	1.8 U	7.2 U	0.50 U	2.0 U	0.25 U	1.0 U	1.5 U	6.1 U	0.60 U	2.4 U
Chloroform	0.46 U	2.3 U	0.47 U	2.3 U	0.93 U	4.5 U	1.8 U	8.9 U	**0.32 J**	**1.6 J**	**0.32**	**1.5**	1.5 U	7.5 U	**28**	**130**
1,1,1-Trichloroethane	0.46 U	2.5 U	0.47 U	2.5 U	**0.91 J**	**5.0 J**	**1.3 J**	**7.3 J**	**1.7**	**9.2**	**1.1**	**6.2**	**4.4**	**24**	**20**	**110**
Benzene	**2.0**	**6.4**	**4.6**	**15**	**1.4**	**41**	**16**	**51**	**2.6**	**8.2**	**0.91**	**2.9**	**27**	**86**	**3.8**	**12**
Carbon Tetrachloride	0.46 U	2.9 U	0.47 U	2.9 U	0.93 U	5.8 U	1.8 U	12 U	0.50 U	3.1 U	0.25 U	1.6 U	1.5 U	9.7 U	0.60 U	3.8 U
1,2-Dichloropropane	0.46 U	2.1 U	0.47 U	2.2 U	0.93 U	3.7 U	1.8 U	8.4 U	0.50 U	2.3 U	0.25 U	1.2 U	1.5 U	7.1 U	0.60 U	2.8 U
Trichloroethene	0.46 U	2.5 U	0.47 U	2.5 U	0.93 U	4.3 U	1.8 U	9.8 U	0.50 U	**2.7**	0.25 U	1.4 U	1.5 U	8.2 U	**47**	**250**
Cis-1,3-Dichloropropene	0.46 U	2.1 U	0.47 U	2.1 U	0.93 U	4.2 U	1.8 U	8.3 U	0.50 U	2.3 U	0.25 U	1.1 U	1.5 U	7.0 U	0.60 U	2.7 U
Trans-1,3-Dichloropropene	0.46 U	2.1 U	0.47 U	2.1 U	0.93 U	4.2 U	1.8 U	8.3 U	0.50 U	2.3 U	0.25 U	1.1 U	1.5 U	7.0 U	0.60 U	2.7 U
1,2- Dichloroethane	0.46 U	1.9 U	0.47 U	1.9 U	0.93 U	3.7 U	1.8 U	7.4 U	0.50 U	2.0 U	0.25 U	1.0 U	1.5 U	6.2 U	0.60 U	2.4 U
1,1,2-Trichloroethane	0.46 U	2.5 U	0.47 U	2.5 U	0.93 U	5.1 U	1.8 U	10 U	0.50 U	2.7 U	0.25 U	1.4 U	1.5 U	8.4 U	0.60 U	3.3 U
Toluene	**28**	**110**	**50**	**190**	**88**	**330**	**210**	**780**	**12**	**46**	**13**	**50**	**150**	**550**	**41**	**150**
1,2-Dibromomethane	0.46 U	3.5 U	0.47 U	3.6 U	0.93 U	7.1 U	1.8 U	14 U	0.50 U	3.8 U	0.25 U	1.9 U	1.5 U	12 U	0.60 U	4.6 U
Tetrachloroethene	**7.1**	**48**	**11**	**75**	**16**	**110**	**33**	**220**	**4.3**	**2.9**	**4.0**	**27**	**40**	**270**	**59**	**400**
Chlorobenzene	0.46 U	2.1 U	0.47 U	2.1 U	0.93 U	4.3 U	1.8 U	8.4 U	0.50 U	2.3 U	0.25 U	1.2 U	1.5 U	7.1 U	0.60 U	2.8 U
Ethylbenzene	**7.3**	**32**	**10**	**45**	**12**	**51**	**25**	**110**	**0.50**	**2.1**	**3.9**	**17**	**22**	**93**	**12**	**54**
Styrene	**2.2**	**9.3**	**1.1**	**4.6**	**3.3**	**14**	**1.7 J**	**7.3 J**	0.50 U	2.1 U	**0.78**	**3.3**	**1.3 J**	**5.4 J**	**5.4**	**23**
1,1,2,2-Tetrachloroethane	0.46 U	3.2 U	0.47 U	3.2 U	0.93 U	6.4 U	1.8 U	13 U	0.50 U	3.4 U	0.25 U	1.7 U	1.5 U	11 U	0.60 U	4.1
m,p-Xylene	**27**	**120**	**34**	**150**	**32**	**140**	**59**	**250**	**0.72**	**3.1**	**15**	**65**	**59**	**250**	**32**	**140**
o-Xylene	**8.5**	**37**	**11**	**47**	**9.4**	**41**	**17**	**47**	0.50 U	2.2 U	**4.7**	**20**	**18**	**77**	**11**	**46**
1,3,5-Trimethylbenzene	**2.5**	**12**	**2.5**	**12**	**2.0**	**9.9**	**3.0**	**15**	0.50 U	2.4 U	**1.6**	**8.1**	**3.4**	**17**	**4.1**	**20**
1,2,4-Trimethylbenzene	**8.6**	**42**	**8.3**	**41**	**6.7**	**33**	**10**	**49**	0.50 U	2.4 U	**5.9**	**29**	**8.7**	**43**	**13**	**62**
1,3-Dichlorobenzene	0.46 U	2.8 U	0.47 U	2.8 U	0.93 U	5.6 U	1.8 U	11 U	0.50 U	3.0 U	0.25 U	1.5 U	1.5 U	9.2 U	0.60 U	3.6 U
1,4-Dichlorobenzene	0.46 U	2.8 U	0.47 U	2.8 U	0.93 U	5.6 U	1.8 U	11 U	0.50 U	3.0 U	**0.18 J**	**1.1 J**	1.5 U	9.2 U	0.60 U	3.6 U
1,2-Dichlorobenzene	0.46 U	2.8 U	0.47 U	2.8 U	0.93 U	5.6 U	1.8 U	11 U	0.50 U	3.0 U	0.25 U	1.5 U	1.5 U	9.2 U	0.60 U	3.6 U
1,2,4-Trichlorobenzene	0.46 U	3.4 U	0.47 U	3.5 U	0.93 U	6.9 U	1.8 U	14 U	0.50 U	3.7 U	0.25 U	1.9 U	1.5 U	11 U	0.60 U	4.5 U
Hexachlorobutadiene	0.46 U	4.9 U	0.47 U	5.0 U	0.93 U	9.9 U	1.8 U	19 U	0.50 U	5.3 U	0.25 U	2.7 U	1.5 U	16 U	0.60 U	6.4 U
Naphthalene	**1.1**	**5.9**	**0.83**	**4.3**	**1.0**	**5.3**	**1.4 J**	**7.5 J**	0.50 U	2.6 U	**0.81**	**4.2**	1.5 U	8.0 U	**3.0**	**16**

J- The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the paracical quantitation limit for the sample

U- The compound was analyzed for but not detected at or above the quantitation limit indicated

B- Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Bold font indicates analyte detected

Location 1: North Plain Street south of Esty Street (near SB-58)

Location 2: North Plain Street north of Esty Street (near SB-52)

Table 1.0

Ithaca Residential Air Sampling II

Sample ID	IA-2-11	IA-2-12	IA-2-13	IA-2-14	IA-2-15	IA-2-16	IA-2-17	IA-2-18	IA-2-19	IA-2-20	IA-2-21	IA-2-22	IA-2-23	IA-2-24	IA-2-25
Date Sampled	3/26/2003	3/26/2003	3/26/2003	3/26/2003	3/26/2003	3/26/2003	3/26/2003	3/26/2003	3/26/2003	3/27/2003	3/27/2003	3/27/2003	3/27/2003	3/27/2003	3/27/2003
Sample Type	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
n-alkanes															
n-Heptane	30	1.4 J	2 U	0.92 J	2.8	0.79 J	2.4	0.87 J	0.48 J	3.2	0.6 J	0.57 J	24	2.0	1.1 J
n-Hexane	42	5.8	1.8	1.8 U	6.1	3.1	1.8 U	3.3	0.63 J	5	1.2	1.2 J	45	1.8 U	1.5 J
n-Octane	22	0.7 J	2.3 U	2.3 U	0.81 J	2.3 U	3.4	0.48 J	1.5 U	3.9	1.5 U	2.3 U	7.9	2.3 U	0.52 J
Pentane	55	9	13	5	9.6	3.5	10	4.1	1.4 J	8.1	2.4	1.8 J	62	1.8 J	5
n-Decane	4.2	7	2.9 U	2.9 U	2.9 U	2.9 U	19	2.9 U	1.9 U	3.3	0.49 J	2.9	6	2.9 U	2.9 U
n-Dodecane	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	2.2 U	3.5 U	2.3 U	3.5 U	3.5 U	3.5 U	3.5 U
n-Undecane	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	2 U	3.2 U	2.1 U	3.2 U	3.2 U	3.2 U	3.2 U
Nonane	17	5.1	2.6 U	0.66 J	2.6 U	2.6 U	26	0.59 J	1.7 U	2.9 U	0.37 J	2.6 U	5.5	2.6 U	2.6 U
n-Butane	110 BV	10 BV	24 BV	11 BV	25 BV	4.3 BV	23 BV	5.7 BV	3.1 BV	21 BV	5 BV	4 BV	170 BV	11 BV	23 BV
Volatile Organics															
Dichlorodifluoromethane	3.3	3.5	3.6	4	18	3.8	3.7	4.2	3.3	3.5	3.5	3.7	3.4	3.6	4.6
Chloromethane	2.6 U	2 J	2 J	0.69 J	2.6 U	3.4	1.3 J	1.7 J	1.7	0.56 J	1.4 J	2.1 J	1.7 J	2.2 J	2.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	2.2 U	3.5 U	2.3 U	3.5 U	3.5 U	3.5 U	1.6 J
Vinyl chloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.82 U	1.3 U	0.83 U	1.3 U	1.3 U	1.3 U	0.55 J
Bromomethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.2 U	1.9 U	1.3 U	1.9 U	1.9 U	1.9 U	0.98 J
Chloroethane	0.75 J	1.3 U	1.3 U	1.3 U	1.3 U	1.9	1.3 U	1.3 U	0.84 U	1.3 U	0.85 U	1.3 U	1.3 U	1.3 U	0.71 J
Trichlorofluoromethane	3.3	2.1 J	2 J	2.3 J	2.6 J	2.1 J	2.4 J	3.8	1.8	2.4 J	1.9	1.9 J	2 J	2 J	3.1
1,1-Dichloroethene	1.1 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.3 U	2 U	1.3 U	2 U	2 U	2 U	0.86 J
Methylene chloride	4.3 U	5.7 S	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	7.8 S	2.8 U	4.3 U	2.8 U	4.3 U	5.8 S	4.3 U	4.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7 J	1 J	1 J	1.2 J	1 J	1 J	3.8 U	1.1 J	0.86 J	1.1 J	0.85 J	3.8 U	3.8 U	3.8 U	2.1 J
1,1-Dichloroethane	1.2 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.3 U	2 U	1.3 U	2 U	2 U	2 U	0.84 J
cis-1,2-Dichloroethene	1 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.3 U	2 U	1.3 U	2 U	2 U	2 U	0.73 J
Chloroform	22	0.72 J	2.4 U	0.63 J	0.57 J	0.86 J	6	2.4 U	1.6 U	1.1 J	0.36 J	2.4 U	11	0.55 J	1.1 J
1,1,1-Trichloroethane	3.2	0.73 J	2.7 U	0.83 J	0.79 J	2.7 U	0.93 J	2.7 U	1.7 U	0.78 J	1.8 U	2.7 U	2.7 U	2.7 U	1.3 J
Benzene	13	2.4	1.7	4.2	3	1.4 J	5.4	1.4 J	1.2 1	2.9	1.5	1.2 J	8	1.6 U	1.6 J
Carbon tetrachloride	1.8 J	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.79 J	3.1 U	0.79 J	3.1 U	3.1 U	3.1 U	1.1 J
1,2-Dichloropropane	0.85 J	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.5 U	2.3 U	1.5 U	2.3 U	2.3 U	2.3 U	0.63 J
Trichloroethene	3.1	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.7 U	2.7 U	1.7 U	2.7 U	2.7 U	2.7 U	2 J
cis-1,3-Dichloropropene	0.93 J	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.5 U	2.3 U	1.5 U	2.3 U	2.3 U	2.3 U	2.3 U
trans-1,3-Dichloropropene	2.3	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.5 U	2.3 U	1.5 U	2.3 U	2.3 U	2.3 U	2.3 U
1,2-Dichloroethane	1.4 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.3 U	2 U	1.3 U	2 U	2 U	2 U	0.8 J
1,1,2-Trichloroethane	1.1 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.7 U	2.7 U	1.8 U	2.7 U	2.7 U	2.7 U	2.7 U
Toluene	19	7	1.5 J	5.6	5.2	3.4	14	6.9	2.2 1	5.6	3.3	1.1 J	12	1.9 U	1.8 J
1,2-Dibromoethane (EDB)	1.5 J	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	2.5 U	3.8 U	2.5 U	3.8 U	3.8 U	3.8 U	3.8 U
Tetrachloroethene	6	3.4 U	3.4 U	3.4 U	1.8 J	2.2	1.2 J	1.2 J	2.2 U	3.4 U	1.8 J	3.4 U	1.4 J	3.4 U	3.4 U
Chlorobenzene	0.97 J	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.5 U	2.3 U	1.5 U	2.3 U	2.3 U	2.3 U	2.3 U
Ethylbenzene	3.1	1.7 J	2.2 U	1.1 J	0.93 J	1.9	1.7 J	0.88 J	0.47 J	0.56 J	0.61 J	1.1 J	1.3 J	2.2 U	2.2 U
Styrene	2.1 U	2.1	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.4 U	2.1 U	1.5 U	2.1 U	2.1 U	2.1 U	2.1 U
1,1,2,2-Tetrachloroethane	3.4 U	3.4	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	2.2 U	3.4 U	2.2 U	3.4 U	3.4 U	3.4 U	3.4 U
m-Xylene & p-Xylene	19	7.9	0.56 J	2.5 2	2.5	8.5	5	2.4	1.4	1.3 J	1.9	3.4	4.6	2.2 U	0.84 J
o-Xylene	4	2.4	2.2 U	0.89 J	0.89 J	2.4	1.5 J	0.82 J	0.58 J	0.64 J	0.74 J	1 J	1.8 J	2.2 U	2.2 U
1,3,5-Trimethylbenzene	1.5 J	1.6 J	2.5 U	2.5 U	2.5 U	2.5 U	0.86 J	2.5 U	1.6 2	2.5 U	1.6 U	2.5 U	1.2 J	2.5 U	2.5 U
1,2,4-Trimethylbenzene	2.6	4.2	2.5 U	0.72 J	2.5 U	2.5 U	2.4 J	2.5 U	0.59 J	1 J	0.76 J	2.5 U	1.8 J	2.5 U	2.5 U
1,3-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	1.9 U	3 U	1.9 U	3 U	3 U	3 U	3 U
1,4-Dichlorobenzene	1.8 J	3 U	3 U	3 U	3 U	3 U	1.8 J	3 U	1.9 U	1.4 J	1.9 U	3 U	1.5 J	3 U	3 U
1,2-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	1.9 U	3 U	1.9 U	3 U	3 U	3 U	3 U
1,2,4-Trichlorobenzene	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	2.4 U	3.7 U	2.4 U	3.7 U	3.7 U	3.7 U	3.7 U
Hexachlorobutadiene	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	1.7 J	5.3 U	3.4 U	5.3 U	3.5 U	5.3 U	5.3 U	5.3 U	5.3 U
Naphthalene	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	1.7 U	2.6 U	1.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Cumene	6.5	4.3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.6 U	2.5 U	1.6 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert-butyl ether	11	4.5 U	0.93 J	2.8 J	4.5 U	4.5 U	4.5 U	4.5 U	2.9 U	4.5 U	2.9 U	4.5 U	3.4 J	4.5 U	1.8 J
TICs															
Butylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane	32 NJ	ND	11	ND	7.8 NJ	ND	ND	ND	ND	ND	ND	ND	49 NJ	ND	ND
1,2,3-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylheptane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

U - The compound was analyzed for but not detected at or above the quantitation limit indicated.

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit (PQL) for the compund and the result reported is considered estimated.

V- The results are considered estimated due to variance from quality control criteria.

S- The results are suspected to be laboratory-derived and not site related.

Table 1.0

Ithaca Residential Air Sampling II

Sample ID	IA-2-26	IA-2-27	IA-2-28	IA-2-29	IA-2-30	IA-2-31	IA-2-32	IA-2-33	IA-2-34	IA-2-35	IA-2-36	IA-2-37	IA-2-38	IA-2-39	IA-2-41	IA-2-42	IA-2-43
Date Sampled	3/27/2003	3/27/2003	3/27/2003	3/27/2003	3/27/2003	3/27/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003
Sample Type	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Soil Gas	Basement	Outdoor
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
n-alkanes																	
n-Heptane	19	0.56 J	6.3	1.9 J	3	2 U	3	2 U	1.1 J	16	11	0.67 J	4.2	1.4 J	1.8 J	1.5 J	2 U
n-Hexane	47	0.63 J	1.4 J	3.6	2.7	1.8 U	3.6	1.8 U	0.63 J	50	8.7	1 J	5.8	2.2	0.85 J	1 J	1.1 J
n-Octane	4.9	0.54 J	2.2 J	2 J	3.2	1.3 J	2 J	2.3	2.3 U	7.4	3.2	0.63 J	4.3	1.2 J	2.5	2.3 U	2.2 J
Pentane	69	6.5 U	3.7 U	13	4.2	3.7 U	15 V	3.7 U	8.2 V	140	10	4	9.4	12 V	11 V	6.6 V	3.7 U
n-Decane	2.9 U	2.9 U	12	3.2	3.6	0.86 J	2.7 J	2.9 U	2.9 U	4.3	9.3	1.1 J	2.9 U	0.74 J	3.4	3.6	3.6
n-Dodecane	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	4.6	4.8	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
n-Undecane	3.2 U	3.2 U	4.1 V	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.4 V	11 V	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Nonane	1.1 J	0.61 J	3.4	2 J	3.8	0.87 J	2.7	2.6 U	0.67 J	4.9	2.2 J	0.54 J	0.95 J	1.6 J	1.4 J	0.89 J	0.61 J
n-Butane	62 V	17 V	3.3 V	5.1 V	7.2 V	3.2 V	5.6 V	3.4 V	3.4 V	230 DV	18 V	3.1 V	21 V	13 V	1.6 V	6.7 V	2.8 V
Volatile Organics																	
Dichlorodifluoromethane	4.1	10 U	3.9	4.4	4	4.5	3.6	3.7	3.5	3.5	3.8	3.3	3.3	3.6	3.5	4.6	3.2
Chloromethane	0.82 J	2.3 J	1.9 J	2.1 J	2.3 J	0.67 J	0.37 J	2.4	1.7 J	2.6 U	2.9	1.6 J	2.3 J	2.1 J	0.66 J	1.6 J	1.7 J
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Vinyl chloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.6	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromomethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Chloroethane	0.39 J	0.33 J	1.3 U	0.39 J	0.48 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Trichlorofluoromethane	2.2 J	2.2 J	2.4 J	2.4 J	7.3	2.7 J	1.6 J	2.8 U	1.7 J	2.6 J	3.7	1.6 J	1.7 J	2 J	1.8 J	2 J	1.5 J
1,1-Dichloroethene	2 U	2 U	2 U	2 U	2 U	0.42 J	2 U	2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylene chloride	4.3 U	4.7 S	4.3 U	6.4 S	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4 J	1.2 J	1.5 J	2.7 J	1.6 J	1.7 J	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
1,1-Dichloroethane	2 U	2 U	2 U	2 U	2 U	0.51 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	2 U	2 U	2 U	2 U	2 U	2 U	1.9 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloroform	6.5 U	0.92 J	0.62 J	0.91 J	1.4 J	0.92 J	15	2.4 U	2.4 U	0.81 J	0.93 J	2.4 U	2.4 U	0.57 J	2.4 U	2.4 U	2.4 U
1,1,1-Trichloroethane	1.1 J	1.9 J	1.1 J	1.1 J	1.1 J	1.1 J	0.86 J	2.7	1.2 J	0.7 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Benzene	13	0.69 J	1.3 J	2.2	1.6	0.84 J	1.5 J	1.6 U	1 J	8.9	3.2	0.84 J	2.3	2	1.6 U	0.78 J	1.1 J
Carbon tetrachloride	3.1 U	3.1 U	1.2 J	1.3 J	1.2 J	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1	3.1 U
1,2-Dichloropropane	0.58 J	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Trichloroethene	1.7 J	0.82 J	2.7 U	3.9	2.7 U	0.92 J	7.6	2.7 U	2.7 U	2.7 U	2.7	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
cis-1,3-Dichloropropene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
trans-1,3-Dichloropropene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
1,2-Dichloroethane	2 U	2 U	2 U	1.4 J	0.57 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2	2 U
1,1,2-Trichloroethane	2.7 U	2.7 U	2.7 U	0.91 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Toluene	9.2	1.9 U	2.2	17	4.7	2	8.2	1.9 U	2.3	29	20	1.7 J	9	3.5	6.1	20	1.9
1,2-Dibromoethane (EDB)	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Tetrachloroethene	1.2 J	3.4 U	3.4 U	1.5 J	3.4 U	1.4 J	20	3.4 U	3.4 U	4	1.5 J	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Chlorobenzene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Ethylbenzene	0.87 J	2.2 U	1.3 J	11	1.5 J	0.99 J	0.78 J	2.2	2.2 U	2.1 J	2.1 J	2.2 U	1.3 J	0.66 J	1 J	0.57 J	2.2 U
Styrene	2.1 U	2.1 U	2.1 U	2.1 U	0.64 J	0.7 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
1,1,2,2-Tetrachloroethane	0.84 J	0.71 J	0.81 J	0.76 J	0.86 J	0.93 J	3.4 U	3.4 U	3.4 U	3.4 U	3.4	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
m-Xylene & p-Xylene	2.1 J	2.2 U	3.7 U	57	3.9	2.3 U	3.7	2.2 U	1.4 J	8.7	8.1	1 J	4.4	2.4	3.8	2.4	1.2 J
o-Xylene	0.84 J	2.2 U	1.6 J	12	1.1 J	1.2 J	7.9	2.2 U	2.2 U	3.1	3.2	2.2 U	1.1 J	0.62 J	1 J	1.1 J	2.2 U
1,3,5-Trimethylbenzene	2.5 U	2.5 U	1.6 J	0.98 J	1.8 J	2.5 U	73	2.5 U	2.5 U	2 J	2.3 J	2.5 U	2.5 U	2.5 U	1 J	1.1 J	2.5 U
1,2,4-Trimethylbenzene	2.5 U	2.5 U	5.1 U	1.1 J	4.7	0.79 J	69	2.5 U	2.5 U	4.7	5.6	2.5 U	1.1 J	1.2 J	3.8	2.3 J	0.69 J
1,3-Dichlorobenzene	0.66 J	0.68 J	0.65 J	0.77 J	0.85 J	0.84 J	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3	3 U
1,4-Dichlorobenzene	0.98 J	3 U	0.86 J	0.8 J	0.87 J	1.3 J	1.9 J	3 U	3 U	0.79 J	3 U	3 U	6.2	35	2.7 J	3 U	3 U
1,2-Dichlorobenzene	3 U	3 U	3 U	0.84 J	0.78 J	0.85 J	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,2,4-Trichlorobenzene	3.7 U	3.7 U	3.7 U	3.7 U	3.7	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Hexachlorobutadiene	1.6 J	1.6 J	1.5 J	1.9 5.3	1.6 J	1.8 J	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
Naphthalene	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Cumene	2.5 U	2.5 U	0.92 J	13	0.82 J	0.76 J	18	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert-butyl ether	25	4.5 U	0.93 J	1.1 J	4.5 U	1 J	2 J	4.5 U	4.5 U	3.6 J	3.3 J	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U
TICs																	
Butylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane	51 NJ	11 NJ	ND	8.4 NJ	ND	ND	ND	ND	ND	430 NJ	160 NJ	ND	15 NJ	9.7 NJ	ND	ND	ND
1,2,3-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylheptane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

U - The compound was analyzed for but not detected at or above the quantitation limit indicated.

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit (PQL) for the compund and the result reported is considered estimated.

D- Result was obtained from the analysis of a dilution.

V- The results are considered estimated due to variance from quality control criteria.

S- The results are suspected to be laboratory-derived and not site related.

Table 1.0

Ithaca Residential Air Sampling II

Sample ID	IA-2-44	IA-2-45	IA-2-46	IA-2-47	IA-2-48	IA-2-49	IA-2-50	IA-2-51	IA-2-52	IA-2-53	IA-2-54	IA-2-55
Date Sampled	3/31/2003	3/31/2003	3/31/2003	3/31/2003	3/31/2003	3/31/2003	4/1/2003	4/1/2003	4/1/2003	4/1/2003	4/1/2003	4/1/2003
Sample Type	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
n-alkanes												
n-Heptane	2 U	2 U	2 U	0.57 J	2 U	0.66 J	4.8	2 U	4.1	6.1	5.9	2.3
n-Hexane	1.1 J	0.85 J	1.8 U	1.8 U	1.8 U	0.59 J	1.8 U	1.4 J	0.9 J	4.7	1.3 J	0.8 J
n-Octane	0.66 J	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3	1	2.3 U	2.3 U
Pentane	3.7 U	1 J	0.75 J	0.65 J	3.7 U	1.2 J	3.7 U	1.5 J	3 J	6.9	2.5 J	1.7 J
n-Decane	2.9 U	6.5	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
n-Dodecane	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
n-Undecane	3.2 U	4.4 V	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Nonane	0.56 J	5.5	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
n-Butane	2.7 V	1.7 V	1.4 V	2 V	1.7 V	2 V	1.4 V	4.4 V	3 V	9.7 V	3.3 V	2.2 V
Volatile Organics												
Dichlorodifluoromethane	3.2	3.2	3.2	3.5	3.2	3.3	3.1	3.4	3.2	3.3	3.2	3.2
Chloromethane	2.6 U	1.3 J	1.4 J	2.6 U	1.6 J	1.8 J	2.6 U	1.4 J	1.5 J	0.61 J	1.5 J	1.4 J
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Vinyl chloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromomethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Chloroethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Trichlorofluoromethane	1.6 J	2 J	1.5 J	2.1 J	1.6 J	1.6 J	1.4 J	2.3 J	1.5 J	1.9 J	3 U	1.5 J
1,1-Dichloroethene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylene chloride	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
1,1-Dichloroethane	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloroform	7.3	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	0.93 J	1.8 J	2.4 U
1,1,1-Trichloroethane	2.8	1 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Benzene	1.1 J	0.66 J	0.69 J	1.6 U	1.6 U	0.99 J	1.6 U	1.5 J	1.2 J	2.2	1.3 J	1.1 J
Carbon tetrachloride	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
1,2-Dichloropropane	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1 J	2.7 U	1.6 J	2.2 J	2 J	2.7 U
cis-1,3-Dichloropropene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3	2.3 U	2.3 U	2.3 U
trans-1,3-Dichloropropene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
1,2-Dichloroethane	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,1,2-Trichloroethane	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Toluene	1.6 J	1.3 J	1.3 J	1.2 J	1.9 U	1.3 J	1.3 J	3.1	1.4 J	2.7	3	2.5
1,2-Dibromoethane (EDB)	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Tetrachloroethene	210	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	2.1 J	3.4 U	3.4 U	5.2	3.4 U	3.4 U
Chlorobenzene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Ethylbenzene	2.2 U	2.2 U	0.68 J	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.55 J	0.78 J
Styrene	2.1 U	0.65 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
1,1,2,2-Tetrachloroethane	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
m-Xylene & p-Xylene	0.79 J	1.7 J	2.7	0.91 J	2.2 U	2.2 U	2.2 U	1.7 J	2.2 U	1.2 J	1.5 J	2.9
o-Xylene	2.2 U	0.75 J	0.71 J	2.2 U	2.2 U	2.2 U	2.2 U	0.59 J	2.2 U	2.2 U	0.54 J	0.81 J
1,3,5-Trimethylbenzene	2.5 U	1 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	2.5 U	2.1 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,4-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,2-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,2,4-Trichlorobenzene	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Hexachlorobutadiene	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
Naphthalene	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Cumene	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5	2.5 U	2.5 U	2.5 U
Methyl tert-butyl ether	6	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U
TICs												
Butylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylheptane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

U - The compound was analyzed for but not detected at or above the quantitation limit indicated.

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit (PQL) for the compund and the result reported is considered estimated.

V- The results are considered estimated due to variance from quality control criteria.

S- The results are suspected to be laboratory-derived and not site related.

Table 1.0

Ithaca Residential Air Sampling II

Sample ID	IA-2-56	IA-2-57	IA-2-58	IA-2-59	IA-2-60	IA-2-61	IA-2-62	IA-2-63	IA-2-64	IA-2-65	IA-2-66	IA-2-67	IA-2-68	IA-2-69	IA-2-70	IA-2-71	IA-2-72	IA-2-73	IA-2-74	IA-2-75	IA-2-76
Date Sampled	4/2/2003	4/2/2003	4/2/2003	4/2/2003	4/2/2003	4/2/2003	4/3/2003	4/4/2003	4/4/2003	4/4/2003	4/4/2003	4/4/2003	4/4/2003	4/4/2003	4/4/2003	4/4/2003	4/4/2003	4/4/2003	4/4/2003	4/4/2003	4/4/2003
Sample Type	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
n-alkanes																					
n-Heptane	4.2	2 U	2 U	2 U	2 U	2 U	1.8	0.89 J	0.86 J	3.2	1.6 J	0.79 J	2 U	2.5	0.71 J	1.1 J	2.0	0.8 J	2.0 U	1.7 J	0.7 J
n-Hexane	2.6	1.5 J	1.8 U	0.65 J	1.7 J	0.79 J	1.8	2.3	1.8 U	3.9	1.6 J	1 J	0.65 J	2.2	1.1 J	1.5 J	4.6	0.6 J	1.8 U	1.7 J	0.5 J
n-Octane	4.2	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	8.3	0.94 J	2.3 U	1.1 J	2.3 U	2.3 U	1.3 J	2.3 U	2.3 U	2.3 U	0.8 J	2.3 U
Pentane	7.6	7.9	3.7 U	5.7	25 V	3.5	16 V	3.7 U	3.7 U	3.7 U	3.7 U	4.6	4.8	15	6.3	2.9 J	12.0	1.8	1.9 J	3.0 J	1.3 J
n-Decane	2.9 U	2.9 U	2.9 U	2.9 U	1.5 J	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	0.96 J	2.9 U	2.9 U	2.9 U	2.9 U	1.2 J	2.9 U	2.9 U	2.9 U	1.2 J	2.9 U
n-Dodecane	3.5 U	3.5	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
n-Undecane	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Nonane	0.82 J	2.6 U	2.6 U	2.6 U	0.61 J	2.6 U	0.53 J	2.6 U	2.6 U	1.4 J	1.6 J	0.69 J	2.6 U	2.6 U	2.6 U	1.3 J	2.6 U	2.6 U	2.6 U	1.0 J	2.6 U
n-Butane	22 V	13 V	6.8 V	6 V	8.9 V	4.1 V	2.2 V	5 V	2.2 V	4.8 V	4.8 V	3.3 V	2.1 V	12 V	4.1 V	6.3 V	26.0 V	2.5 V	3.4 V	7.0 V	2.7 V
Volatile Organics																					
Dichlorodifluoromethane	3.2	3.3	3.4	3.3	3.6	3.3	3.1	3.2	3.2	3.3	4.3	3.3	3.3	3.3	3.1	2.3 J	2.9	3.0	3.1	3.3	3.0
Chloromethane	0.96 J	1.4 J	1.6 J	1 J	1.3 J	1.1 J	2.6 U	1.1 J	1.3 J	2.6 U	1.4 J	1.5 J	2.6 U	1.3 J	1.4 J	0.5 J	1.4 J	1.3 J	2.6 U	1.4 J	1.3 J
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Vinyl chloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromomethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Chloroethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Trichlorofluoromethane	2 J	1.7 J	1.6 J	2.1 J	3.5	1.6 J	1.7 J	6.6	1.5 J	1.6 J	2 J	1.9 J	1.7 J	1.9 J	1.6 J	1.4 J	1.4 J	1.4 J	1.5 J	1.8 J	1.4 J
1,1-Dichloroethene	2 U	2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene chloride	4.3 U	4.3 U	4.3 U	27 S	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	45 S	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane	3.8 U	3.8 U	3.8 U	1.5 J	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
1,1-Dichloroethane	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	0.49 J	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	0.67 J	2.4 U	1.5 J	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
1,1,1-Trichloroethane	2.7 U	2.7 U	2.7 U	2.7 U	1.6 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	18.0	2.7 U
Benzene	0.58 J	1.9	1.6 U	0.57 J	2.1	1.6 J	1.6 U	1.4 J	1.1 J	0.86 J	1.4 J	1.3 J	1.6 U	2	1.8	4.1	3.1	1.5 J	1.6 U	1.8	1.2 J
Carbon tetrachloride	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
1,2-Dichloropropane	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Trichloroethene	1.4 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
cis-1,3-Dichloropropene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
trans-1,3-Dichloropropene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
1,2-Dichloroethane	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Toluene	2.4	1.9 U	1.9 U	1.9 U	4.8	4	1.9 U	2.2	1.6 J	3.4	3.3	2.9	1.4 J	4.9	3.6	3.8	2.6	2.4	1.9 U	4.0	2.3
1,2-Dibromoethane (EDB)	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Tetrachloroethene	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	4.5	3.4 U	3.4 U	8	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	1.3 J	3.4 U
Chlorobenzene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Ethylbenzene	0.55 J	2.2 U	1 J	2.2 U	0.81 J	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.68 J	0.56 J	2.2 U	0.78 J	0.69 J	2.2 U	2.2 U	2.2 U	2.2 U	0.6 J	2.2 U
Styrene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
1,1,2,2-Tetrachloroethane	3.4 U	3.4 U	3.4 U	3.4	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
m-Xylene & p-Xylene	1.5 J	2.2 U	3.4 U	2.2 U	2.5	2.2 U	2.2 U	0.76 J	0.86	1.9 J	2 J	1.9 J	0.92 J	2.2	2.2	1.2 J	2.2 U	1.4 J	2.2 U	2.2	1.2 J
o-Xylene	2.2 U	2.2 U	2.6	2.2 U	0.98 J	2.2 U	2.2 U	2.2 U	2.2 U	0.62 J	0.7 J	0.6 J	2.2 U	0.59 J	0.84 J	2.2 U	2.2 U	2.2 U	2.2 U	0.9 J	2.2 U
1,3,5-Trimethylbenzene	2.5 U	2.5 U	0.61 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	2.5 U	2.5 U	2.5 U	2.5 U	1.1 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.2 J	2.5 U	2.5 U	2.5 U	0.65 J	2.5 U	2.5 U	2.5 U	2.5 U	1.0 J	2.5 U
1,3-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,4-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	6	3 U	3 U	3 U	3 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Hexachlorobutadiene	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
Naphthalene	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Cumene	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert-butyl ether	4.5 U	4.5 U	4.5 U	4.5 U	4.5	4.5 U	4.5 U	4.5 U	4.5 U	18	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U
TICs																					
Butylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane	11 NJ	12 NJ	ND	ND	9.1 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.0 NJ	ND	ND	ND	ND
1,2,3-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylheptane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

U - The compound was analyzed for but not detected at or above the quantitation limit indicated.

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit (PQL) for the compund and the result reported is considered estimated.

V- The results are considered estimated due to variance from quality control criteria.

S- The results are suspected to be laboratory-derived and not site related.

Table 1.0

Ithaca Residential Air Sampling II

Sample ID	IA-2-77	IA-2-78	IA-2-79			IA-2-83	IA-2-84	IA-2-85	IA-2-86	IA-2-87	IA-2-88	IA-2-89	IA-2-90	IA-2-91	IA-2-92	IA-2-93	IA-2-94	IA-2-95	IA-2-96	IA-2-97	IA-2-98	IA-2-99	IA-2-100
Date Sampled	4/7/2003	4/7/2003	4/7/2003			4/7/2003	4/7/2003	4/7/2003	4/8/2003	4/8/2003	4/8/2003	4/8/2003	4/8/2003	4/8/2003	4/9/2003	4/9/2003	4/9/2003	4/9/2003	4/9/2003	4/9/2003	4/9/2003	4/9/2003	4/9/2003
Sample Type	Soil Gas	Basement	Outdoor			Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
n-alkanes																							
n-Heptane	**0.73 J**	**2.6**	2 U			**1.4 J**	**0.61 J**	**0.65 J**	**0.63 J**	2 U	2 U	**3**	**1.2 J**	**2 J**	**0.83 J**	**0.73 J**	**0.78 J**	**0.73 J**	**0.67 J**	**0.67 J**	**0.53 J**	**2.3**	**0.74 J**
n-Hexane	**0.62 J**	**1.8**	1.8 U			**0.71 J**	**0.78 J**	**1.4 J**	**3.6**	**0.61 J**	1.8 U	**2.1**	**1.7 J**	**1.2 J**	1.8 U	**1.1 J**	**1.1 J**	**2.1**	**1.2 J**	**0.66 J**	**0.67 J**	**3.1**	**2.3**
n-Octane	2.3 U	**1 J**	2.3 U			**2.8**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**0.85 J**	**1 J**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**0.48 J**	2.3 U	
Pentane	**1.9 J**	**4.3**	**0.59 J**			**0.69 J**	**2 J**	**2.8 J**	**14**	**1.2 J**	**1.4 J**	**2.7 J**	**4.1**	**3.3 J**	**0.38 J**	**1.8 J**	**2.6 J**	**10**	**2.8 J**	**1.9 J**	**1.5 J**	**4**	**4.8**
n-Decane	**0.82 J**	**7.9**	2.9 U			**22**	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	**1.1 J**	**1.1 J**	2.9 U	2.9 U	2.9 U	2.9 U	**0.95 J**	**1.3 J**	2.9 U	2.9 U	**6.7**	2.9 U
n-Dodecane	3.5 U	3.5 U	3.5 U			3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5	3.5 U
n-Undecane	3.2 U	**3.2 V**	3.2 U			**470 V**	**17 V**	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Nonane	**1.5 J**	**9.1**	2.6 U			**6.5**	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**0.91 J**	**0.71 J**	2.6 U	2.6 U	2.6 U	2.6 U	**0.56 J**	**1.8** U	2.6 U	2.6 U	**1.4 J**	2.6 U
n-Butane	**2.2 V**	**6.1 V**	**1.4 V**			1.2 U	**2.8 V**	**3.6 V**	**28 V**	**2.1 V**	**2.3 V**	**4.5 V**	**9.8 V**	**11 V**	1.2 U	**3.6 V**	**3.6 V**	**12 V**	**8.6 V**	**5.8 V**	**2.8 V**	**9.3 V**	**6.9 V**
Volatile Organics																							
Dichlorodifluoromethane	**3.2**	**3.1**	**3.1**			**3.1**	**3**	**3.1**	**3**	**3.1**	**3**	**3.2**	**3.1**	**3.1**	**3.1**	**3.2**	**3.2**	**3**	**3.9**	**2.6**	**2.9**	**3.1**	**3**
Chloromethane	**1.4 J**	**1.5 J**	**1.3 J**			2.6 U	**1.3 J**	**1.5 J**	2.6 U	**1.1 J**	**1.5 J**	2.6 U	**1.5 J**	**1.4 J**	2.6 U	**1.3 J**	**1.6 J**	**0.42 J**	**1.4 J**	**1.2 J**	**0.62 J**	**1.5 J**	**1.3 J**
1,2-Dichloro-1,1,2,2-tetrafluoro	3.5 U	3.5 U	3.5 U			3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Vinyl chloride	1.3 U	1.3 U	1.3 U			1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromomethane	1.9 U	1.9 U	1.9 U			1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Chloroethane	1.3 U	1.3 U	1.3 U			1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Trichlorofluoromethane	**2 J**	**1.7 J**	**1.5 J**			**1.5 J**	**2.8**	**1.5 J**	**1.4 J**	**5.3 J**	**1.5 J**	**1.6 J**	**3.1**	**1.5 J**	**1.5 J**	**1.6 J**	**1.6 J**	**1.5 J**	**1.8 J**	**1.3 J**	**1.4 J**	**1.7 J**	**1.5 J**
1,1-Dichloroethene	2 U	2 U	2 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylene chloride	**6.9 S**	**16 S**	4.3 U			4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	**18 S**	4.3 U	4.3 U	4.3 U	4.3 U
1,1,2-Trichloro-1,2,2-trifluoroet	3.8 U	3.8 U	3.8 U			3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
1,1-Dichloroethane	2 U	2 U	2 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	2 U	2 U	2 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloroform	2.4 U	2.4 U	2.4 U			**60**	**0.56 J**	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	**0.85 J**	**0.86 J**	2.4 U	**1.2 J**	2.4 U	2.4 U	**0.55 J**	**0.58 J**	2.4 U
1,1,1-Trichloroethane	2.7 U	**1.3 J**	2.7 U			**1.1 J**	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	**1.4 J**	2.7 U	2.7 U	2.7 U	2.7 U
Benzene	**0.86 J**	**1.1 J**	**0.87 J**			1.6 U	**1.5 J**	**2.3**	1.6 U	**1.4 J**	**1.5 J**	**0.53 J**	**2.5**	**2.4**	1.6 U	**2**	**1.9**	**2.9**	**1.8**	**1.7**	**1 J**	**1.8**	**1.7**
Carbon tetrachloride	3.1 U	3.1 U	3.1 U			3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
1,2-Dichloropropane	2.3 U	2.3 U	2.3 U			2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Trichloroethene	2.7 U	2.7 U	2.7 U			**0.98 J**	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
cis-1,3-Dichloropropene	2.3 U	2.3 U	2.3 U			2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
trans-1,3-Dichloropropene	2.3 U	2.3 U	2.3 U			2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
1,2-Dichloroethane	2 U	2 U	2 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,1,2-Trichloroethane	2.7 U	2.7 U	2.7 U			2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Toluene	**3.3**	**7.3**	**1.4 J**			1.9 U	**2.7**	**4.2**	1.9 U	**2.4**	1.9 U	**1.9**	**9.6**	**4.5**	1.9 U	**4**	**4.1**	**2.6**	**7.2**	**2.9**	**1.7 J**	**6.8**	**2.5**
1,2-Dibromoethane (EDB)	3.8 U	3.8 U	3.8 U			3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Tetrachloroethene	**6.4**	3.4 U	3.4 U			**52**	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	**3.2 J**	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	**3.5**	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Chlorobenzene	2.3 U	2.3 U	2.3 U			2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Ethylbenzene	**0.62 J**	**1.7 J**	2.2 U			2.2 U	2.2 U	**0.79 J**	2.2 U	2.2 U	2.2 U	2.2 U	**1 J**	**0.84 J**	2.2 U	**0.59 J**	**0.65 J**	2.2 U	**0.72 J**	**0.67 J**	2.2 U	**0.77 J**	2.2 U
Styrene	2.1 U	**0.95 J**	2.1 U			2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
1,1,2,2-Tetrachloroethane	3.4 U	3.4 U	3.4 U			3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
m-Xylene & p-Xylene	**2.2**	**7.2**	**2.1 J**			2.2 U	**0.8 J**	**2.4**	2.2 U	**1.3 J**	2.2 U	**1.1 J**	**3.4**	**2.8**	2.2 U	**1.7 J**	**2 J**	**1 J**	**2.4**	**1.7 J**	**0.86 J**	**2.3**	2.2 U
o-Xylene	**0.7 J**	**2.2**	2.2 U			2.2 U	2.2 U	**0.83 J**	2.2 U	2.2 U	2.2 U	2.2 U	**1.2 J**	**1.1 J**	2.2 U	**0.55 J**	**0.73 J**	2.2 U	**0.72 J**	**0.69 J**	2.2 U	**0.81 J**	2.2 U
1,3,5-Trimethylbenzene	**0.87 J**	**1.4 J**	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**1.3 J**	**3.6**	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**0.68 J**	**1.1 J**	**1.1 J**	2.5 U	2.5 U	2.5 U	2.5 U	**0.78 J**	**0.67 J**	2.5 U	**1.7 J**	2.5 U
1,3-Dichlorobenzene	3 U	3 U	3 U			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,4-Dichlorobenzene	3 U	3 U	3 U			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,2-Dichlorobenzene	3 U	3 U	3 U			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,2,4-Trichlorobenzene	3.7 U	3.7 U	3.7 U			3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Hexachlorobutadiene	5.3 U	5.3 U	5.3 U			5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
Naphthalene	2.6 U	2.6 U	2.6 U			2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Cumene	2.5 U	2.5 U	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert-butyl ether	4.5 U	4.5 U	4.5 U			4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	**15**	4.5 U	4.5 U	**4.8**	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U
TICs																							
Butylcyclohexane	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indane	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indene	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane	**82 NJ**	**140 NJ**	ND			ND	ND	ND	**12 NJ**	ND	ND	ND	**12 NJ**	**8 NJ**	ND	ND	ND	**12 NJ**	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylheptane	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylpentane	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

U - The compound was analyzed for but not detected at or above the quantitation limit indicated.

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit (PQL) for the compund and the result reported is considered estimated.

V- The results are considered estimated due to variance from quality control criteria.

S- The results are suspected to be laboratory-derived and not site related.

[redacted] - Corresponding soil sample was unusable due to equipment failure. The set was re sampled on a later date.

Table 1.0
Ithaca Residential Air Sampling II

Sample ID	IA-2-101	IA-2-102	IA-2-103	IA-2-104	IA-2-105	IA-2-106	IA-2-107	IA-2-108	IA-2-109/115*	IA-2-110	IA-2-111	IA-2-112	IA-2-113	IA-2-114	IA-2-116	IA-2-117	IA-2-118	IA-2-119	IA-2-120	IA-2-121
Date Sampled	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003	4/10/2003
Sample Type	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
n-alkanes																				
n-Heptane	0.54 J	2 U	0.75 J	3	1.2 J	0.79 U	0.52 J	1.2 J	2 U	2 U	2 U	2 U	2 U	2.9	2.6	2.4	1.5 J	0.98 J	1.2 J	0.85 J
n-Hexane	0.79 J	1.8 U	1.1 J	2.6	0.89 J	0.57 J	1.8 U	1.8	0.78 J	1.8 U	0.54 J	0.89 J	1.8 U	4.3	3.5	1.8	1.4 J	1 J	2.3	1.3 J
n-Octane	0.48 J	2.3 U	2.3 U	6.4	2.3 U	2.3 U	0.64 J	0.67 J	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	0.74 J	2.8	1.3 J	0.83 J	2.3	1.4 J	2.3 U
Pentane	2.7 J	1.6 J	3.7	5.6	3.7 U	1.5 J	3.7 U	5.9	2.3 J	3.7 U	5 U	6.1	3.7 U	18	7.9	3.7 U	4.8	5.7	7.5	7.5
n-Decane	2.9 U	2.9 U	2.9 U	21	2.9 U	2.9 U	0.94 J	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	4.5	1.6 J	0.86 J	2.9	23	2.9 U
n-Dodecane	3.5 U	3.5 U	3.5 U	4.9	3.5 U	3.5 U	2.1 J	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5	2.4 J	3.5 U	3.5 U	6.1	3.5 U
n-Undecane	3.2 U	3.2 U	3.2 U	10 V	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	21 V	3.2 U
Nonane	2.6 U	2.6 U	2.6 U	13	0.54 J	2.6 U	0.66 J	0.54 J	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	0.57 J	4.8	1.6 J	1.3 J	0.58 J	18	1 J
n-Butane	7.4 V	9.6 V	7.1 V	5.1 V	3.6 V	2.8 V	1.4 V	13 V	6.6 V	1.2 U	10 V	13 V	1.7 V	22 V	11 V	4.4 V	4.7 V	6.3 V	23 V	15 V
Volatile Organics																				
Dichlorodifluoromethane	3	3.1	3.2	3.4	3.9	3.1	3	3.2	3.4	3.2 U	3.4	3.4	3.4	3.5	4.3	3.2	3.2	3	3.2	3
Chloromethane	0.39 J	1.2 J	1.4 J	0.46 J	1.3 J	1.4 J	2.8	1.5 J	1.4 J	2.6 U	0.65 J	1.3 J	0.45 J	1.4 J	0.73 J	1.5 J	1.3 J	1.8 J	1.5 J	1.5 J
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Vinyl chloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromomethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Chloroethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.78 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Trichlorofluoromethane	1.7 J	1.9 J	1.5 J	1.6 J	1.8 J	1.5 J	1.4 J	1.4 J	1.6 J	1.6 J	1.7 J	2 J	1.6 J	1.8 J	70	2.5 J	1.6 J	1.7 J	1.7 J	1.5 J
1,1-Dichloroethene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylene chloride	4.5 S	4.3 U	4.3 U	6.4 S	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	6.2 S	4.4 S	4.3 U	4.3 U	4.3 U	4.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	1 J	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
1,1-Dichloroethane	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloroform	0.61 J	0.73 J	2.4 U	5.4	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 J	0.6 J	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
1,1,1-Trichloroethane	2.7 U	1.2 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.1 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Benzene	1.7	1.6 U	1.3 J	1.4 J	1.2 J	1.3 J	1.6 U	1.2 J	1 J	1.6 U	1.6 U	0.53 J	1.6 U	4.1	3.1	0.94 J	0.96 J	1.2 J	1.9	1.2 J
Carbon tetrachloride	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
1,2-Dichloropropane	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
cis-1,3-Dichloropropene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
trans-1,3-Dichloropropene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
1,2-Dichloroethane	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,1,2-Trichloroethane	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Toluene	2.1	1.9 U	2.7	4.9	3	4.1	3.8	2	2	1.9 U	1.9 U	1.9 U	1.9 U	38	4.3	2.6	2.2	3.1	4.7	2.8
1,2-Dibromoethane (EDB)	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Tetrachloroethene	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Chlorobenzene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Ethylbenzene	2.2 U	2.2 U	0.58 J	1 J	2.2 U	0.96 J	0.98 J	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.7	2.2 U	0.68 J	2.2 U	0.58 J	38	2.2 U
Styrene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UU	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
1,1,2,2-Tetrachloroethane	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
m-Xylene & p-Xylene	0.91 J	2.2 U	2 J	5	1.3 J	3.1	3.4	1.3 J	1.1 J	2.2 U	2.2 U	2.2 U	2.2 U	18	2 J	2.6	1.6 J	1.9 J	10	2.2 U
o-Xylene	2.2 U	2.2 U	0.68 J	2 J	2.2 U	1.2 J	1 J	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	6.1	0.69 J	0.86 J	0.55 J	0.7 J	3.9	2.2 U
1,3,5-Trimethylbenzene	2.5 U	2.5 U	2.5 U	4.1	2.5 U	2.5 U	2.1 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.1 J	2.5 U	2.5 U	2.5 U	2.5 U	1.4 J	2.5 U
1,2,4-Trimethylbenzene	2.5 U	2.5 U	0.75 J	7.7	0.69 J	1.6 J	6.2	0.72 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	4.2	0.93 J	1.7 J	2.5 U	1 J	3.8	2.5 U
1,3-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,4-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	17	3 U
1,2-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,2,4-Trichlorobenzene	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Hexachlorobutadiene	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
Naphthalene	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Cumene	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert-butyl ether	6	4.5 U	4.5 U	27	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	11	18	4.5 U	4.5 U	4.5 U	4.5 U	1.1 J
TICs																				
Butylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane	ND	ND	ND	ND	ND	ND	ND	12 NJ	ND	ND	7.6 NJ	ND	ND	ND	ND	ND	ND	ND	20 NJ	16 NJ
1,2,3-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylheptane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

U - The compound was analyzed for but not detected at or above the quantitation limit indicated.

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit (PQL) for the compund and the result reported is considered estimated.

V- The results are considered estimated due to variance from quality control criteria.

S- The results are suspected to be laboratory-derived and not site related.

* IA-2-109 /115 Is one outdoor sample taken for two adjacent houses and corresponds to samples 107, 108, 113, 114

Table 1.0

Ithaca Residential Air Sampling II

Sample ID	IA-2-122	IA-2-123	IA-2-124	IA-2-125	IA-2-126	IA-2-127	IA-2-128	IA-2-129	IA-2-130	IA-2-131	IA-2-132	IA-2-133	IA-2-80A	IA-2-81A	IA-2-82A
Date Sampled	4/11/2003	4/11/2003	4/11/2003	4/11/2003	4/11/2003	4/11/2003	4/11/2003	4/11/2003	4/11/2003	4/11/2003	4/11/2003	4/11/2003	4/11/2003	4/11/2003	4/11/2003
Sample Type	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor	Soil Gas	Basement	Outdoor
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
n-alkanes															
n-Heptane	**3.8**	**1.3 J**	**0.77 J**	**0.71 J**	**1.3 J**	**1.2 J**	2 U	**0.94 J**	**0.56 J**	**1.4 J**	**1.1 J**	**0.92 J**	2 U	2 U	**0.87 J**
n-Hexane	**4.5**	**2.1**	**1.6 J**	**1.1 J**	**2.4**	**2**	1.8 U	**1.5 J**	**1.1 J**	**2.2**	**1.8**	**1.7 J**	**0.88 J**	**0.78 J**	**1.2 J**
n-Octane	**1.9 J**	2.3 U	2.3 U	**6.3**	2.3 U	**0.48 J**	2.3 U	2.3 U	2.3 U	**0.83 J**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Pentane	**4.9**	**7.1**	**4.8**	**3.6**	**6.2**	**7.2**	3.7 U	**6.6**	**4.6**	**0.99 J**	**6.3**	**7.1**	3.7 U	**2.1 J**	**8.5**
n-Decane	**2.3 J**	**1.1 J**	2.9 U	**0.78 J**	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	3.2 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
n-Dodecane	**4.4**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
n-Undecane	**3.8 V**	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	**1.3 J**	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Nonane	**1.7 J**	**1.1 J**	**0.84 J**	**14**	2.6 U	**0.55 J**	2.6 U	**0.63 J**	2.6 U	**0.95 J**	2.6 U	2.6 U	2.6 U	2.6 U	**0.8 J**
n-Butane	**7.6 V**	**7.7 V**	**5.3 V**	**6.9 V**	**13 V**	**9.1 V**	**2.5 V**	**9 V**	**5.7 V**	**1.7 V**	**17 V**	**12 V**	**2.2 V**	**4.2 V**	**4.1 V**
Volatile Organics															
Dichlorodifluoromethane	**2.9**	**3.3**	**3.1**	**3.2**	**3.2**	**3.1**	**3.1**	**3.2**	**3.3**	**3.2**	**3.2**	**3.3**	**3.3**	**3.4**	**3.3**
Chloromethane	2.6 U	**1.9 J**	**1.4 J**	2.6 U	**1.2 J**	**1.8 J**	**0.66 J**	**1.4 J**	**1.4 J**	2.6 U	**1.3 J**	**1.4 J**	2.6 U	**0.72 J**	**1.4 J**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Vinyl chloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromomethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Chloroethane	1.3 U	**0.43 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Trichlorofluoromethane	**2.1 J**	**1.8 J**	**1.7 J**	**1.7 J**	**1.7 J**	**1.7 J**	**1.5 J**	**1.8 J**	**1.7 J**	**1.8 J**	**1.7 J**	**1.7 J**	**1.7 J**	**1.8 J**	**1.8 J**
1,1-Dichloroethene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylene chloride	**6.6 S**	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	**12 S**	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	**1.6 J**	3.8 U
1,1-Dichloroethane	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloroform	**0.64 J**	2.4 U	2.4 U	2.4 U	**1.2 J**	2.4 U	2.4 U	2.4 U	2.4	**0.49 J**	2.4 U	2.4 U	**49**	2.4 U	2.4 U
1,1,1-Trichloroethane	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Benzene	**0.97 J**	**2.3**	**1.9**	**2.2**	**4.8**	**4.3**	1.6 U	**1.7**	**1.6**	1.6 U	**2**	**1.8**	1.6 U	**0.94 J**	**1.5 J**
Carbon tetrachloride	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
1,2-Dichloropropane	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
cis-1,3-Dichloropropene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
trans-1,3-Dichloropropene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
1,2-Dichloroethane	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,1,2-Trichloroethane	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Toluene	**1.6 J**	**5.4**	**4.2**	**1.9 J**	**10**	**5.4**	1.9 U	**4.3**	**4**	**1.1 J**	**4.7**	**5.1**	1.9 U	**2**	**3.6**
1,2-Dibromoethane (EDB)	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Tetrachloroethene	**1.7 J**	3.4 U	3.4 U	**3 J**	3.4 U	3.4 U	3.4 U	**1.5 J**	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Chlorobenzene	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Ethylbenzene	2.2 U	**1.1 J**	**0.82 J**	**0.86 J**	**1.6 J**	**1.1 J**	2.2 U	**1.3 J**	**0.77 J**	2.2 U	**0.92 J**	**0.83 J**	2.2 U	2.2 U	**0.67 J**
Styrene	2.1 U	2.1 U	2.1 U	2.1 U	**1.2 J**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1	2.1 U
1,1,2,2-Tetrachloroethane	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
m-Xylene & p-Xylene	**1.1 J**	**3.8**	**2.8**	**6.6**	**5.3**	**3.8**	2.2 U	**5**	**2.6**	**0.94 J**	**2.9**	2.2 U	2.2 U	2.2 U	**2.1 J**
o-Xylene	2.2 U	**1.3 J**	**0.93 J**	**0.84 J**	**1.8 J**	**1.4 J**	2.2 U	**2 J**	**0.94 J**	2.2 U	**1.1 J**	**0.66 J**	2.2 U	2.2 U	**0.74 J**
1,3,5-Trimethylbenzene	2.5 U	2.5 U	2.5 U	**2.9**	2.5 U	2.5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**0.68 J**	**1.4 J**	**0.82 J**	**5.6**	**0.77 J**	**1.7 J**	2.5 U	**1.4 J**	**0.67 J**	**0.72 J**	**1 J**	2.5 U	2.5 U	2.5 U	**0.71 J**
1,3-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,4-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,2-Dichlorobenzene	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,2,4-Trichlorobenzene	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	**1.7 J**	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Hexachlorobutadiene	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
Naphthalene	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Cumene	2.5 U	2.5 U	2.5 U	**0.81 J**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert-butyl ether	**4.2**	4.5 U	4.5 U	4.5 U	**1.6 J**	4.5 U	4.5 U	**0.91 J**	4.5 U	4.5 U	**1.6 J**	4.5 U	4.5 U	4.5 U	4.5 U
TICs															
Butylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylheptane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

U - The compound was analyzed for but not detected at or above the quantitation limit indicated.

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit (PQL) for the compund and the result reported is considered estimated.

V- The results are considered estimated due to variance from quality control criteria.

S- The results are suspected to be laboratory-derived and not site related.

Table 1.0
Ithaca Residential Air Sampling III

Sample ID		320 Washington Street								418 North Plain Street							
		IA-3-1		IA-3-2		IA-3-3		IA-3-4		IA-3-5		IA-3-6		IA-3-7		IA-3-8	
Date Sampled		3/2/2005		3/2/2005		3/2/2005		3/2/2005		3/2/2005		3/2/2005		3/2/2005		3/2/2005	
Sample Type	NYSDEC Upper	Soil Gas		Basement Air		1st Floor Air		Outside Ambient Air		Soil Gas		Basement Air		1st Floor Air		Outside Ambient Air	
Units	Fence (ug/m3)	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3
n-alkanes																	
n-Heptane	18	0.34	1.4 J	0.28	1.2 J	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U
n-Hexane	15	0.50 U	1.8 U	1.0	3.6	0.22	0.76 J	0.50 U	1.8 U	0.14	0.5 J	0.50 U	1.8 U	0.18	0.65 J	0.50 U	1.8 U
n-Octane	5.2	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U
Pentane	na	4.8	14	6.0	18	1.5	4.5	0.85	2.5 J	1.6	4.6	1.3	4.0	1.9	5.8	1.4	4.1
n-Decane	15	7.9	46	0.5	2.9 U	0.50 U	2.9 U	0.50 U	2.9 U	0.50 U	2.9 U	0.50 U	2.9 U	0.50 U	2.9 U	0.50 U	2.9 U
n-Dodecane	9.1	2.5 U	3.5 U	2.5 U	3.5 U	2.5 U	3.5 U	2.50 U	3.5 U	2.50 U	3.5 U	2.50 U	3.5 U	2.50 U	3.5 U	2.50 U	3.5 U
n-Undecane	13	3.2	21	0.50 U	3.2 U	0.50 U	3.2 U	0.50 U	3.2 U	0.50 U	3.2 U	0.50 U	3.2 U	0.50 U	3.2 U	0.50 U	3.2 U
Nonane	8.4	5.2	27	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U
n-Butane	na	8.4	20	10	25	2.9	6.8	2.2	5.2	2.0	4.8	2.1	5.0	3.0	7.2	1.1	2.7
Volatile Organics																	
Dichlorodifluoromethane	14	1	5	0.86	4.2	0.62	3.1	0.61	3.0	0.63	3.1	0.63	3.1	0.64	3.2	0.55	2.7
Chloromethane	4.8	0.66	1.4 J	0.85	1.8 J	0.78	1.6 J	0.76	1.6 J	0.79	1.6 J	0.77	1.6 J	0.65	1.3 J	0.65	1.3 J
1,2-Dichloro-1,1,2,2-tetrafluoroethane	na	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U
Vinyl chloride	0.39	0.22	0.56 J	1.8	0.46 J	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U
Bromomethane	0.46	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U
Chloroethane	0.39	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U
Trichlorofluoromethane	12	5.1	29	2.8	16	0.53	3.0 J	0.34	1.9 J	0.52	2.9	1.3	7.5	0.53	3.0	0.31	1.8 J
1,1-Dichloroethene	0.38	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U
Methylene chloride	15	1.2 U	4.3 U	1.2 U	4.3 U	1.2	4.3 U	1.20 U	4.3 U	1.20 U	4.3 U	1.20 U	4.3 U	1.20 U	4.3 U	1.20 U	4.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane	na	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U
1,1-Dichloroethane	0.38	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U
cis-1,2-Dichloroethene	0.39	0.73	2.9	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U
Chloroform	1.2	0.50 U	2.4 U	0.50 U	2.4 U	0.48	2.4 J	0.50 U	2.4 U	0.50 U	2.4 U	0.50 U	2.4 U	0.50 U	2.4 U	0.50 U	2.4 U
1,1,1-Trichloroethane	3.1	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.2	1.1 J	0.50 U	2.7 U
Benzene	13	1.3	4.2	1.5	4.9	0.43	1.4 J	0.23	0.73 J	0.21	0.66 J	0.50 U	1.6 U	0.23	0.75 J	0.50 U	1.6 U
Carbon tetrachloride	1.5	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U
1,2-Dichloropropane	0.39	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U
Trichloroethene	0.44	0.3	1.6 J	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U
cis-1,3-Dichloropropene	0.4	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U
trans-1,3-Dichloropropene	0.35	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U
1,2-Dichloroethane	0.38	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U
1,1,2-Trichloroethane	0.41	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U
Toluene	56	4.4	16	6.1	23	1.8	6.9	0.63	2.4	0.34	1.3 J	0.5 U	1.9 U	0.37	1.4 J	0.24	0.90 J
1,2-Dibromoethane (EDB)	0.37	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U
Tetrachloroethene	2.7	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U
Chlorobenzene	0.38	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U
Ethylbenzene	6.4	0.42	1.8 J	0.34	1.5 J	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U
Styrene	1.5	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U
1,1,2,2-Tetrachloroethane	0.39	1.6	11	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U
m-Xylene & p-Xylene	na	1.5	6.4	1.3	5.5	0.43	1.9 J	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U
o-Xylene	7.2	1.5	6.5	0.32	1.4 J	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U
1,3,5-Trimethylbenzene	3.9	24	120	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U
1,2,4-Trimethylbenzene	10	19	93	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U
1,3-Dichlorobenzene	0.49	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U
1,4-Dichlorobenzene	1.2	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U
1,2-Dichlorobenzene	0.48	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U
1,2,4-Trichlorobenzene	0.46	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U
Hexachlorobutadiene	0.5	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U
Naphthalene	na	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U
Cumene	na	3.4	17	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U
Methyl tert-butyl ether	13	0.64	2.3 J	1.3	4.7	1.2	4.5 U	1.2 U	4.5 U	1.2 U	4.5 U	1.2 U	4.5 U	1.2 U	4.5 U	1.2 U	4.5 U
TICs																	
Butylcyclohexane	na	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
Indane	na	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
Indene	na	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
Isopentane	na	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
1,2,3-Trimethylbenzene	2.6	41	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
2,2,4-Trimethylpentane	na	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
2,3-Dimethylheptane	5	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
2,3-Dimethylpentane	na	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-

U - The compound was analyzed for but not detected at or above the quantitation limit indicated.

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit (PQL) for the compund and the result reported is considered estimated.

V- The results are considered estimated due to variance from quality control criteria.

S- The results are suspected to be laboratory-derived and not site related.

Table 1.0
Ithaca Residential Air Sampling III

		422 West Court Street								420 North Plain Street									
Sample ID		IA-3-9		IA-3-10		IA-3-11		IA-3-12		IA-3-13		IA-3-14		IA-3-15		IA-3-16		IA-3-17	
Date Sampled		3/2/2005		3/2/2005		3/2/2005		3/2/2005		3/3/2005		3/3/2005		3/3/2005		3/3/2005		3/3/2005	
Sample Type	NYSDEC Upper	Soil Gas		Basement Air		1st Floor Air		Outside Ambient Air		Basement Soil Gas		Basement Air		1st Floor Air		Outside Ambient Air		Outside Soil Gas	
Units	Fence (ug/m3)	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3	ppb v/v	ug/m3
n-alkanes																			
n-Heptane	18	1.6	6.5	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.60	2.5	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U
n-Hexane	15	2.3	8.0	0.31	1.1 J	0.50	1.8	0.50 U	1.8 U	1.20	4.1	0.20	0.71 J	0.18	0.62 J	0.50 U	1.8 U	0.39	1.4 J
n-Octane	5.2	1.2	5.4	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.21	0.98 J	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U
Pentane	na	4.8	14	1.8	5.4	2.5	7.4	0.18	0.54 J	2.9	8.5	1.4	4.0	1.1	3.2 J	0.30	0.88 J	0.48	1.4 J
n-Decane	15	1.8	10	0.50 U	2.9 U	0.50 U	2.9 U	0.50 U	2.9 U	0.57	3.3	0.50 U	2.9 U	0.50 U	2.9 U	0.50 U	2.9 U	0.50 U	2.9 U
n-Dodecane	9.1	2.50 U	3.5 U	2.50 U	3.5 U	2.50 U	3.5 U	2.50 U	3.5 U	2.50 U	3.5 U	2.50 U	3.5 U	2.50 U	3.5 U	2.50 U	3.5 U	2.50 U	3.5 U
n-Undecane	13	1.1	7.0	0.50 U	3.2 U	0.50 U	3.2 U	0.50 U	3.2 U	0.44	2.8 J	0.50 U	3.2 U	0.50 U	3.2 U	0.50 U	3.2 U	0.50 U	3.2 U
Nonane	8.4	2	10	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.29	1.5 J	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U
n-Butane	na	9.6	23	5.3	12	8.0	19	0.67	1.6	7.2	17	4.8	11	3.9	9.4	1.5	3.5	1.5	3.7
Volatile Organics																			
Dichlorodifluoromethane	14	0.58	2.9	0.63	3.1	0.61	3.0	0.62	3	0.55	2.7	0.60	3.0	0.64	3.1	0.61	3.0	0.54	2.7
Chloromethane	4.8	0.37	0.76 J	0.73	1.5 J	0.91	1.9 J	0.74	1.5 J	1.2 U	2.6 U	0.71	1.5 J	0.71	1.5 J	0.74	1.5 J		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	na	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U	0.50 U	3.5 U
Vinyl chloride	0.39	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U
Bromomethane	0.46	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U	0.50 U	1.9 U
Chloroethane	0.39	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U	0.50 U	1.3 U
Trichlorofluoromethane	12	0.52	2.9	0.62	3.5	0.76	4.3	0.32	1.8 J	0.26	1.5 J	0.32	1.8 J	0.39	2.2 J	0.34	1.9 J	0.25	1.4 J
1,1-Dichloroethene	0.38	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U
Methylene chloride	15	1.20 U	4.3 U	1.20 U	4.3 U	1.20 U	4.3 U	1.20 U	4.3 U	1.20 U	4.3 U	1.20 U	4.3 U	1.20 U	4.3 U	1.20 U	4.3 U	1.20 U	4.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane	na	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U
1,1-Dichloroethane	0.38	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U
cis-1,2-Dichloroethene	0.39	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U
Chloroform	1.2	0.58	2.8	0.50 U	2.4 U	0.50 U	2.4 U	0.50 U	2.4 U	0.50 U	2.4 U	0.50 U	2.4 U	0.50 U	2.4 U	0.50 U	2.4 U	0.50 U	2.4 U
1,1,1-Trichloroethane	3.1	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.18	0.97 J	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U
Benzene	13	1.1	3.5	0.35	1.1 J	0.47	1.5 J			1.7	5.3	0.22	0.72 J	0.21	0.68 J	0.50 U	1.6 U	0.50 U	1.6 U
Carbon tetrachloride	1.5	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U	0.50 U	3.1 U
1,2-Dichloropropane	0.39	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U
Trichloroethene	0.44	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U
cis-1,3-Dichloropropene	0.4	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U
trans-1,3-Dichloropropene	0.35	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U
1,2-Dichloroethane	0.38	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U
1,1,2-Trichloroethane	0.41	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U	0.50 U	2.7 U
Toluene	56	1.6	6.0	0.39	1.5 J	0.60	2.2	0.50 U	3.8 U	1.1	4.1	0.25	0.94 J	0.50 U	1.9 U	0.24	0.91 J	0.50 U	1.9 U
1,2-Dibromoethane (EDB)	0.37	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U	0.50 U	3.8 U
Tetrachloroethene	2.7	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	2.0	13	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.61	4.1
Chlorobenzene	0.38	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U	0.50 U	2.3 U
Ethylbenzene	6.4	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U
Styrene	1.5	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U	0.50 U	2.1 U
1,1,2,2-Tetrachloroethane	0.39	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U	0.50 U	3.4 U
m-Xylene & p-Xylene	na	0.48	2.1 J	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.40	1.8 J	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U
o-Xylene	7.2	0.19	0.81 J	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.47	2.0 J	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U	0.50 U	2.2 U
1,3,5-Trimethylbenzene	3.9	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.57	2.8	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U
1,2,4-Trimethylbenzene	10	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.77	3.8	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U
1,3-Dichlorobenzene	0.49	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U
1,4-Dichlorobenzene	1.2	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U
1,2-Dichlorobenzene	0.48	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U	0.50 U	3.0 U
1,2,4-Trichlorobenzene	0.46	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U	0.50 U	3.7 U
Hexachlorobutadiene	0.5	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U	0.50 U	5.3 U
Naphthalene	na	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U	0.50 U	2.6 U
Cumene	na	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	2.5 U
Methyl tert-butyl ether	13	1.2 U	4.5 U	1.2 U	4.5 U	1.2 U	4.5 U	1.2 U	4.5 U	1.2 U	4.5 U	1.2 U	4.5 U	1.2 U	4.5 U	1.2 U	4.5 U	1.2 U	4.5 U
TICs																			
Butylcyclohexane	na	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
Indane	na	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
Indene	na	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
Isopentane	na	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
1,2,3-Trimethylbenzene	2.6	ND	-	ND	-	3.3	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
2,2,4-Trimethylpentane	na	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
2,3-Dimethylheptane	5	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-
2,3-Dimethylpentane	na	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-

U - The compound was analyzed for but not detected at or above the quantitation limit indicated.

J - The compound was analyzed for and determined to be present in the sample because the mass spectrum of the compound meets the identification criteria of the method. The concentration reported is an estimated value, less than the practical quantitation limit (PQL) for the compund and the result reported is considered estimated.

V- The results are considered estimated due to variance from quality control criteria.

S- The results are suspected to be laboratory-derived and not site related.

Table 1
Preliminary SVI Evaluation Results - all results in µg/m³
OU2 - Court Street MGP Site

Type of Sample Sample ID Laboratory ID Sampling Date	CAS Number	Soil Vapor SV 320 WASHINGTON H9C250199-002 3/21/2009 9:20		Indoor Air IA 320 WASHINGTON H9C250199-004 3/21/2009 9:20		Indoor Air IA 320 WASHINGTON H9C250199-005 DUPLICATE		Outdoor (Upwind) AMB N. 320 WASHINGTON H9C250199-003 3/21/2009 9:35		Outdoor (Downwind) AMB S. 320 WASHINGTON H9C250199-001 3/21/2009 9:35		Soil Vapor SV 321 N.FULTON H9C230112-002 3/17/2009 13:35		Indoor Air IA 321 N.FULTON H9C230112-008 3/17/2009 13:35		Indoor Air IA 328 N.MEADOW H9C230112-012 3/19/2009 16:00		Outdoor (Upwind) AMB 328 N.MEADOW H9C230112-014 3/19/2009 13:00		Soil Vapor SV 709 W.COURT H9C230112-005 3/17/2009 12:40		Indoor Air IA 709 W.COURT H9C230112-009 3/17/2009 14:50		Indoor Air IA 715 W.COURT H9C230112-006 3/17/2009 13:35		NYSDOH Background Indoor Air Values[1] 75th Percentile
Compound (ug/m³)																										
1,1,1-Trichloroethane (1,1,1-TCA)	71-55-6	0.44	U	**0.095**	J	**0.087**	J	0.44	U	0.44	U	**0.49**		**0.18**	J	0.44	U	0.44	U	**0.35**	J	0.44	U	**1.1**		1.1
1,1,2,2-Tetrachloroethane	79-34-5	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	<0.25
1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	**0.46**	J	**0.59**	J	**0.5**	J	**0.53**	J	**0.52**	J	**0.59**	J	**0.52**	J	**0.55**	J	**0.51**	J	**0.57**	J	**0.55**	J	**0.58**	J	1.1
1,1,2-Trichloroethane	79-00-5	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	<0.25
1,1-Dichloroethane	75-34-3	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	<0.25
1,1-Dichloroethene	75-35-4	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	<0.25
1,2,3-Trimethylbenzene	526-73-8	0.39	U	**0.4**		0.39	U	0.39	U	0.39	U	0.39	U	**1.3**		0.39	U	0.39	U	**0.65**		**4.4**		**1.1**		1.1
1,2,4-Trichlorobenzene	120-82-1	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	<0.25
1,2,4-Trimethylbenzene	95-63-6	**0.56**		**1.2**		**0.74**		**0.17**	J	**0.15**	J	**0.21**	J	**3.8**		0.39	U	**0.61**		**0.61**		**2**		**1.2**		4.3
1,2-Dibromoethane (EDB)	106-93-4	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	<0.25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	**0.12**	J	**0.12**	J	**0.11**	J	**0.1**	J	**0.11**	J	0.56	U	**0.099**	J	**0.11**	J	0.56	U	**0.14**	J	0.56	U	**0.1**	J	<0.25
1,2-Dichlorobenzene	95-50-1	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	<0.25
1,2-Dichloroethane	107-06-2	0.32	U	0.32	U	**0.086**	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	**0.082**	J	**0.19**	J	**1.1**		0.32	U	<0.25
1,2-Dichloropropane	78-87-5	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	<0.25
1,3,5-Trimethylbenzene	108-67-8	**0.17**	J	**0.33**	J	**0.28**	J	0.39	U	0.39	U	0.39	U	**1.2**		0.39	U	**0.2**	J	**0.34**	J	**1.1**		**0.61**		1.7
1,3-Butadiene	106-99-0	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	NL
1,3-Dichlorobenzene	541-73-1	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	<0.25
1,4-Dichlorobenzene	106-46-7	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	**0.96**		0.48	U	0.48	U	0.48	U	0.48	U	0.54
1-Methylnaphthalene	90-12-0	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	NL
2,2,4-Trimethylpentane	540-84-1	**0.22**	J	**1.3**		**1.3**		**0.29**	J	**0.27**	J	**0.16**	J	**1.7**		**0.46**	J	**0.66**	J	**0.21**	J	**0.81**	J	**0.84**	J	NL
Isopentane	78-78-4	**2.5**		**15**		**12**		**1.5**		**1.6**		**1.4**		**6.7**		**2.7**		**2.9**		**8.7**		**9.7**		**8.3**		NL
2-Methylnaphthalene	91-57-6	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	NL
3-Chloropropene	107-05-1	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NL
alpha-Methylstyrene	98-83-9	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	NL
Benzene	71-43-2	**0.7**		**3**		**3.1**		**0.88**		**0.93**		**0.25**	J	**2**		**0.88**		**1.1**		**0.67**		**1.5**		**1.8**		5.9
Benzyl chloride	100-44-7	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	NL
Bromodichloromethane	75-27-4	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	NL
Bromoform	75-25-2	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	NL
Bromomethane	74-83-9	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	**0.16**	J	0.31	U	<0.25
Carbon disulfide	75-15-0	**0.4**	J	0.62	U	**0.057**	J	0.62	U	0.62	U	**24**	B	**0.067**	J B	**0.054**	J B	**0.074**	J B	**81**	B D	**0.087**	J B	**0.12**	J B	NL
Carbon tetrachloride	56-23-5	0.5	U	**0.52**		**0.67**		**0.44**	J	**0.42**	J	**0.24**	J	**0.49**	J	**0.34**	J	**0.45**	J	**0.34**	J	**0.39**	J	**0.49**	J	0.59
Chlorobenzene	108-90-7	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	<0.25
Chlorodifluoromethane	75-45-6	**6.1**		**45**		**39**		**0.88**		**0.85**		**0.75**		**1**		**1.5**		**0.85**		**0.55**		**1.1**		**1.4**		NL
Chloroethane	75-00-3	0.21	U	0.21	U	**0.079**	J	0.21	U	0.21	U	0.21	U	**0.044**	J	0.21	U	**0.046**	J	0.21	U	**0.12**	J	**0.038**	J	<0.25
Chloroform	67-66-3	**0.14**	J	**0.11**	J	**2**		0.39	U	0.39	U	**1.9**		**0.16**	J	**0.13**	J	**0.089**	J	**4.1**		**0.89**		**0.83**		0.54
Chloromethane	74-87-3	**0.29**	J	**0.89**		**1.5**		**0.77**		**0.75**		**0.3**	J	**0.98**		**0.78**		**1**		**0.53**		**1.5**		**0.64**		1.8
cis-1,2-Dichloroethene	156-59-2	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	<0.25
cis-1,3-Dichloropropene	10061-01-5	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	<0.25
Cumene	98-82-8	0.79	U	0.79	U	**0.14**	J	0.79	U	0.79	U	0.79	U	**0.34**	J	0.79	U	**0.12**	J	0.79	U	**0.32**	J	**0.2**	J	0.4
Cyclohexane	110-82-7	**0.39**	J	**0.87**		**0.9**		**0.093**	J	**0.095**	J	**0.82**		**0.84**		**0.22**	J	**0.2**	J	**0.46**	J	**0.45**	J	**0.7**		2.6
Dibromochloromethane	124-48-1	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	NL
Dibromomethane	74-95-3	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	NL
Dichlorodifluoromethane (Freon 12)	75-71-8	**2.1**		**2.7**		**2.2**		**2.2**		**2.3**		**2.3**		**2.7**		**2.2**		**2.1**		**2.3**		**2.3**		**3.3**		4.1
Ethylbenzene	100-41-4	**0.55**		**1.5**		**1.8**		**0.2**	J	**0.2**	J	**0.2**	J	**2.6**		**0.3**	J	**0.59**		**0.29**	J	**1**		**1.7**		2.8
Hexachlorobutadiene (C-46)	87-68-3	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	<0.25
Indane	496-11-7	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	**0.52**		0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	NL
Indene	95-13-6	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	NL
Methyl tert-butyl ether (MTBE)	1634-04-4	1.4	U	**0.33**	J	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	5.6
Methylene chloride	75-09-2	**7.1**	B	**43**	B	**36**	B	**0.55**	J B	**0.51**	J B	**0.39**	J B	**0.58**	J B	**0.45**	J B	**0.37**	J B	**0.29**	J B	**0.68**	J B	**1.4**	B	6.6
m-Xylene & p-Xylene	136777-61-2	**1.9**		**5.4**		**5.5**		**0.65**		**0.67**		**0.62**		**8.2**		**0.73**		**1.9**		**0.79**		**2.7**		**5.6**		4.6
Naphthalene	91-20-3	**0.27**	J	1	U	1	U	1	U	1	U	1	U	**0.32**	J	1	U	1	U	1	U	1	U	**0.23**	J	NL
n-Butane	106-97-8	**1.5**		**5.7**		**4.8**		**2**		**2.1**		**1.6**		**6.9**		**3.8**		**4**		**8.6**		**9**		**16**		NL
n-Decane	124-18-5	**1**	J	**1.7**	J	**0.66**	J	2.3	U	**0.51**	J	**0.73**	J	**1.3**	J	2.3	U	**1.1**	J	**32**		**120**		**2.3**		6.6
n-Dodecane	112-40-3	**0.77**	J	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	**0.28**	J	2.8	U	2.8	U	**0.23**	J	2.8	U	**0.49**	J	3.9
n-Heptane	142-82-5	**0.86**		**1.1**		**1.1**		**0.15**	J	**0.22**	J	**0.39**	J	**1.4**		**0.23**	J	**0.41**	J	**1.1**		**1.2**		**1.1**		7.6
n-Hexane	110-54-3	**1.5**		**4.4**		**3.7**		**0.35**	J	**0.44**	J	**0.7**	B	**2.6**	B	**0.69**	B	**0.83**	B	**2.8**	B	**1.2**	B	**2.1**	B	6
n-Octane	111-65-9	**0.65**	J	**0.31**	J	**0.44**	J	**0.076**	J	**0.75**		**0.4**	J	**0.81**		**0.087**	J	**6**		**0.87**		**0.82**		**0.69**	J	2.3
Nonane	111-84-2	**0.59**	J	**0.5**	J	**0.3**	J	1	U	**0.12**	J	**0.39**	J	**0.64**	J	1	U	**1.6**		**37**		**180**	D	**0.84**	J	3.4
n-Propylbenzene	103-65-1	0.79	U	**0.23**	J	**0.18**	J	0.79	U	0.79	U	0.79	U	**0.68**	J	0.79	U	0.79	U	0.79	U	**0.39**	J	**0.29**	J	0.7
n-Undecane	1120-21-4	**1.2**	J	**0.73**	J	**0.24**	J	2.6	U	2.6	U	**0.64**	J	**0.96**	J	2.6	U	**0.22**	J	**2.8**		**6.8**		**1.6**	J	5
o-Xylene	95-47-6	**0.56**		**1.6**		**1.7**		**0.23**	J	**0.22**	J	**0.23**	J	**3.2**		**0.28**	J	**0.72**		**0.34**	J	**1.1**		**2**		3.1
Pentane	109-66-0	**2.1**		**10**		**8.9**		**0.78**	J	**0.9**	J	**0.78**	J	**3.3**		**1.2**		**1.4**		**8.5**		**2.9**		**4.7**		NL
Styrene	100-42-5	0.34	U	0.34	U	**0.19**	J	0.34	U	0.34	U	0.34	U	**0.22**	J	**0.39**		**0.1**	J	**0.1**	J	**0.37**		**0.13**	J	0.64
Tetrachloroethene (PCE)	127-18-4	**1.3**		**0.55**		**0.51**	J	0.54	U	0.54	U	**0.29**	J	**0.2**	J	**0.26**	J	**0.25**	J	**11**		**0.21**	J	**0.67**		1.1
Thiophene	110-02-1	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	NL
Toluene	108-88-3	**4.8**		**20**		**20**		**1.2**		**1.3**		**1.2**	B	**15**	B	**2.2**	B	**4.6**	B	**2.1**	B	**6.8**	B	**7.1**	B	24.8
trans-1,2-Dichloroethene	156-60-5	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	NA
trans-1,3-Dichloropropene	10061-02-6	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	<0.25
Trichloroethene (TCE)	79-01-6	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	<0.25
Trichlorofluoromethane (Freon 11)	75-69-4	**0.91**		**1.4**		**1.1**		**1.1**		**1.1**		**1.3**		**1.4**		**1.4**		**1.2**		**1.2**		**1.3**		**1.9**		5.4
Vinyl chloride	75-01-4	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	**0.1**	J	<0.25
Helium (%)	7440-59-7	ND		NA		NA		NA		NA		ND		NA		NA		NA		ND		NA		NA		
TICs (ug/m³)																										
1,2,4,5-Tetramethylbenzene	527-53-7	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA
2,3-Dimethylheptane	3074-71-3	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA
2,3-Dimethylpentane	565-59-3	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA
Butylcyclohexane	1678-93-9	ND		ND		ND		ND		ND		ND		ND		ND		ND		**18**		**80**		ND		NA

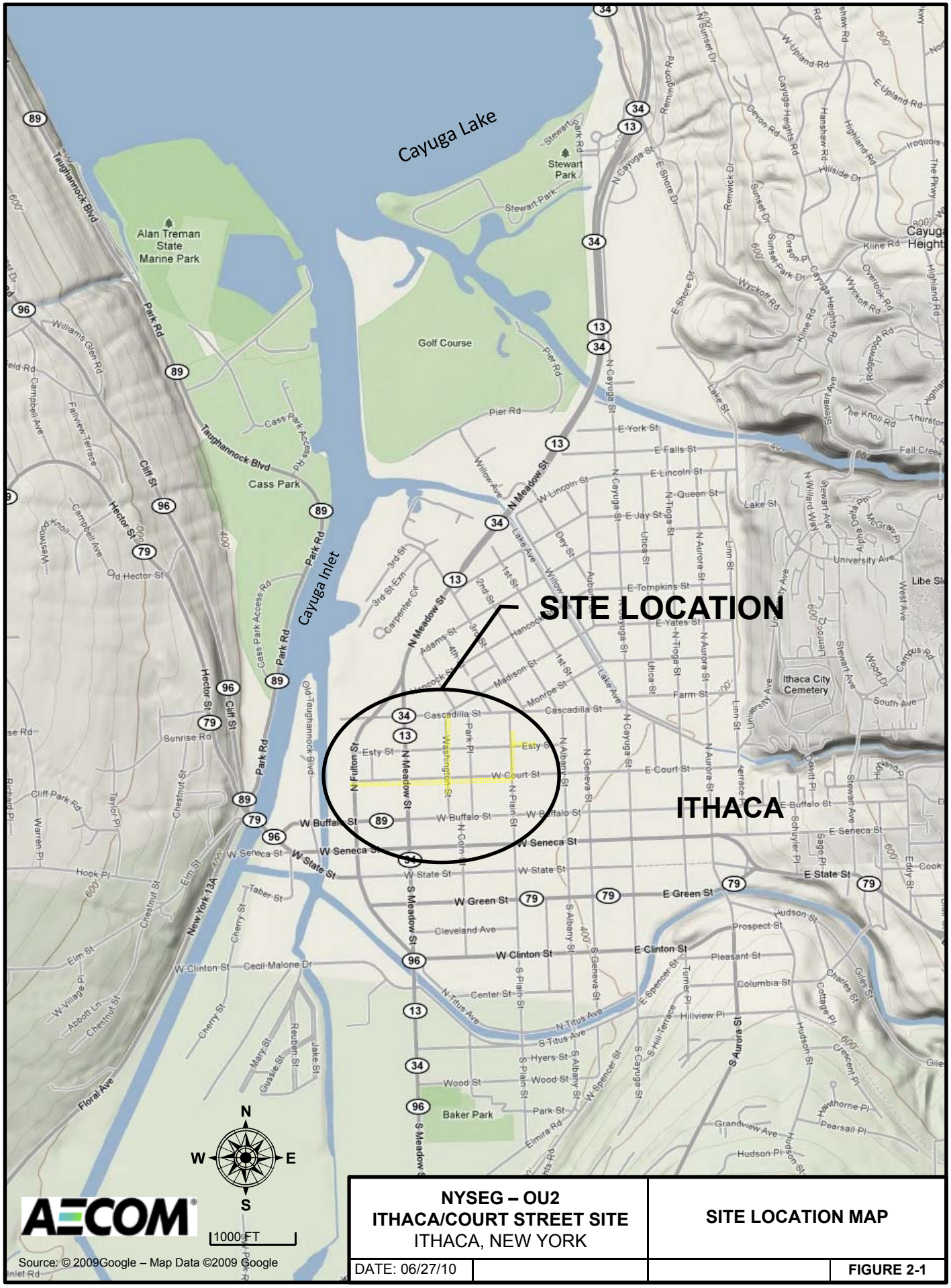
Notes:
All units in micrograms per cubic meter (µg/m³)
1 - New York State Department of Health, Study of VOCs in Air of Fuel Oil Heated Homes, November 14, 2005.
Bold - Compound detected in a concentration greater than the method reporting limits.
Exceeds NYSDOH Bakground Indoor Air Values 75th Percentile
NL - Not listed - data not available for background concentrations for these compounds.
ND - Non-detect.
NA - Not analyzed/not applicable.
U - The compound was analyzed for, but was not detected above the method reporting limit.
J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
B - Method blank contamination. The associated method blank contains the target analyte at a reportable level.
D - Result was obtained from the analysis of a dilution.
UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximated and may be UJ - inaccurate or imprecise.

Table 1
Preliminary SVI Evaluation Results - all results in µg/m³
OU2 - Court Street MGP Site

Type of Sample Sample ID Laboratory ID Sampling Date	CAS Number	Soil Vapor SV 717 W.COURT H9C230112-007 3/17/2009 14:30		Indoor Air IA 717 W.COURT H9C230112-001 3/17/2009 14:30		Soil Vapor SV 721 W.COURT H9C230112-010 3/17/2009 12:45		Indoor Air IA 721 W.COURT H9C230112-004 3/17/2009 13:25		Soil Vapor SV 723 W.COURT H9C230112-003 3/17/2009 13:35		Indoor Air IA 723 W.COURT H9C230112-011 3/17/2009 13:15		Soil Vapor SV 725 W.COURT H9C230112-013 3/19/2009 16:00		Indoor Air IA 725 W.COURT H9C230112-018 3/19/2009 16:00		Outdoor (Upwind) AMB 725 W.COURT H9C230112-017 3/19/2009 16:00		Outdoor (Upwind) AMB 1 EAST H9C230112-016 3/17/2009 15:45		Outdoor (Upwind) AMB 2 WEST H9C230112-015 3/17/2009 15:40		NYSDOH Background Indoor Air Values[1] 75th Percentile
Compound (ug/m³)																								
1,1,1-Trichloroethane (1,1,1-TCA)	71-55-6	**3.2**		0.44	U	**0.22**	J	**0.078**	J	**0.12**	J	0.44	U	**0.069**	J	**0.078**	J	0.44	U	0.44	U	0.44	U	1.1
1,1,2,2-Tetrachloroethane	79-34-5	**0.24**	J	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	<0.25
1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	**0.77**		**0.53**	J	**0.45**	J	**0.63**		**0.52**	J	**0.52**	J	**0.57**	J	**0.58**	J	**0.56**	J	**0.53**	J	**0.6**	J	1.1
1,1,2-Trichloroethane	79-00-5	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	<0.25
1,1-Dichloroethane	75-34-3	**0.08**	J	0.32	U	**0.37**		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	<0.25
1,1-Dichloroethene	75-35-4	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	<0.25
1,2,3-Trimethylbenzene	526-73-8	0.39	U	0.39	U	**0.42**		**0.46**		**2**		**0.71**		0.39	U	**0.43**		0.39	U	0.39	U	0.39	U	1.1
1,2,4-Trichlorobenzene	120-82-1	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	<0.25
1,2,4-Trimethylbenzene	95-63-6	**0.3**	J	**0.84**		**0.82**		**0.73**		**3.8**		**1.3**		**0.49**		**0.93**		0.39	U	**0.91**		**1.1**		4.3
1,2-Dibromoethane (EDB)	106-93-4	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U	<0.25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	0.56	U	**0.1**	J	**0.14**	J	**0.16**	J	0.56	U	0.56	U	**0.17**	J	**0.15**	J	**0.16**	J	0.56	U	0.56	U	<0.25
1,2-Dichlorobenzene	95-50-1	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	<0.25
1,2-Dichloroethane	107-06-2	0.32	U	0.32	U	0.32	U	**0.088**	J	0.32	U	0.32	U	0.32	U	**0.089**	J	0.32	U	0.32	U	0.32	U	<0.25
1,2-Dichloropropane	78-87-5	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	<0.25
1,3,5-Trimethylbenzene	108-67-8	**0.22**	J	**0.28**	J	**0.45**		**0.32**	J	**1.7**		**0.41**		**0.3**	J	**0.38**	J	0.39	U	**0.28**	J	**0.32**	J	1.7
1,3-Butadiene	106-99-0	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	NL
1,3-Dichlorobenzene	541-73-1	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U	<0.25
1,4-Dichlorobenzene	106-46-7	0.48	U	0.48	U	0.48	U	0.48	U	**0.16**	J	0.48	U	0.48	U	**0.17**	J	0.48	U	0.48	U	0.48	U	0.54
1-Methylnaphthalene	90-12-0	5.8	U	5.8	U	5.8	U	5.8	U	**28**		5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	NL
2,2,4-Trimethylpentane	540-84-1	**1.9**		**0.93**		**0.089**	J	**0.78**	J	**0.12**	J	**0.79**	J	**0.13**	J	**0.63**	J	**0.13**	J	**0.93**		**1.2**		NL
Isopentane	78-78-4	**13**		**4.2**		**3.2**		**4.1**		**2.5**		**7.1**		**1.2**		**3.1**		**1**		**3.5**		**5.7**		NL
2-Methylnaphthalene	91-57-6	5.8	U	5.8	U	5.8	U	5.8	U	**43**		5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	5.8	U	NL
3-Chloropropene	107-05-1	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NL
alpha-Methylstyrene	98-83-9	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	NL
Benzene	71-43-2	**1.9**		**1.6**		**1.3**		**1.8**		**8.8**		**1.9**		**0.62**		**1.2**		**0.62**		**1.6**		**1.8**		5.9
Benzyl chloride	100-44-7	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	NL
Bromodichloromethane	75-27-4	**0.98**		0.54	U	**1.5**		0.54	U	**1.4**		0.54	U	**0.13**	J	0.54	U	0.54	U	0.54	U	0.54	U	NL
Bromoform	75-25-2	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	NL
Bromomethane	74-83-9	0.31	U	**0.07**	J	0.31	U	0.31	U	0.31	U	**0.056**	J	0.31	U	0.31	U	**0.1**	J	**0.088**	J	**0.055**	J	<0.25
Carbon disulfide	75-15-0	**4.6**	B	**0.13**	J B	**9.7**	B	**0.083**	J B	**1.4**	B	**0.059**	J B	**1.6**	B	**0.11**	J B	**0.051**	J B	**0.064**	J B	**0.058**	J B	NL
Carbon tetrachloride	56-23-5	**0.22**	J	**0.49**	J	0.5	U	**0.53**		**0.17**	J	**0.51**		**0.38**	J	**0.51**		**0.47**	J	**0.5**	J	**0.51**		0.59
Chlorobenzene	108-90-7	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	<0.25
Chlorodifluoromethane	75-45-6	**1.5**		**1**		**0.69**		**1.5**		**1.3**		**1**		**0.67**		**1.1**		**0.81**		**1.2**		**1.1**		NL
Chloroethane	75-00-3	**0.13**	J	**0.068**	J	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	**0.052**	J	0.21	U	0.21	U	<0.25
Chloroform	67-66-3	**34**		**2.9**		**17**		**0.84**		**12**		**0.32**	J	**1.2**		**0.13**	J	0.39	U	**0.092**	J	**0.099**	J	0.54
Chloromethane	74-87-3	**0.37**	J	**0.98**		**0.31**	J	**0.97**		**0.3**	J	**0.87**		**0.26**	J	**1.1**		**1.1**		**0.94**		**1**		1.8
cis-1,2-Dichloroethene	156-59-2	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	<0.25
cis-1,3-Dichloropropene	10061-01-5	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	<0.25
Cumene	98-82-8	**0.17**	J	**0.15**	J	0.79	U	**0.16**	J	**0.24**	J	**0.19**	J	0.79	U	**0.2**	J	0.79	U	**0.15**	J	**0.18**	J	0.4
Cyclohexane	110-82-7	**5.7**		**0.36**	J	**0.81**		**0.36**	J	**0.77**		**0.61**	J	**0.45**	J	**0.28**	J	**0.073**	J	**0.35**	J	**0.4**	J	2.6
Dibromochloromethane	124-48-1	0.68	U	0.68	U	**0.15**	J	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	NL
Dibromomethane	74-95-3	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	NL
Dichlorodifluoromethane (Freon 12)	75-71-8	**1.9**		**2.2**		**1.8**		**2.3**		**2**		**2.1**		**2.2**		**2.5**		**2.4**		**2.3**		**2.8**		4.1
Ethylbenzene	100-41-4	**1.4**		**0.78**		**0.72**		**0.68**		**1.4**		**0.88**		**0.49**		**1.2**		0.35	U	**0.82**		**0.97**		2.8
Hexachlorobutadiene (C-46)	87-68-3	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	<0.25
Indane	496-11-7	0.39	U	0.39	U	0.39	U	0.39	U	**0.73**		0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	NL
Indene	95-13-6	0.76	U	0.76	U	0.76	U	0.76	U	**0.78**		0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	0.76	U	NL
Methyl tert-butyl ether (MTBE)	1634-04-4	**0.31**	J	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	5.6
Methylene chloride	75-09-2	**1.1**	B	**0.67**	J B	**0.44**	J B	**0.57**	J B	**0.23**	J B	**0.49**	J B	**0.29**	J B	**2.9**	B	**0.43**	J B	**0.71**	B	**0.57**	J B	6.6
m-Xylene & p-Xylene	136777-61-2	**2.5**		**2.4**		**2.8**		**2**		**9**		**2.7**		**2**		**3.8**		**0.23**	J	**2.5**		**3.1**		4.6
Naphthalene	91-20-3	**0.96**	J	1	U	1	U	1	U	**120**		**0.19**	J	**0.38**	J	**0.2**	J	1	U	**0.2**	J	1	U	NL
n-Butane	106-97-8	**20**		**6.4**		**4.6**		**5.8**		**3.2**		**11**		**1.7**		**6.9**		**1.7**		**4.6**		**8.1**		NL
n-Decane	124-18-5	**5.3**		**6**		**1.4**	J	**3.1**		**3.3**		**3.2**		**2**	J	**1**	J	2.3	U	**0.51**	J	**0.64**	J	6.6
n-Dodecane	112-40-3	**1.2**	J	**0.4**	J	**2**	J	**1**	J	**2**	J	**0.32**	J	**1.8**	J	**0.29**	J	2.8	U	2.8	U	2.8	U	3.9
n-Heptane	142-82-5	**10**		**0.49**	J	**1.3**		**0.58**	J	**2.5**		**1**		**2.1**		**0.43**	J	0.82	U	**0.44**	J	**0.59**	J	7.6
n-Hexane	110-54-3	**21**	B	**1**	B	**2**	B	**1.3**	B	**2.5**	B	**1.7**	B	**1.5**	B	**0.98**	B	**0.34**	J B	**0.88**	B	**1.2**	B	6
n-Octane	111-65-9	**5**		**0.46**	J	**1.1**		**0.6**	J	**2.4**		**0.93**		**3.5**		**0.32**	J	0.75	U	**0.29**	J	**0.36**	J	2.3
Nonane	111-84-2	**4.2**		**4.1**		**0.8**	J	**0.99**	J	**2.2**		**1.7**		**2.8**		**0.47**	J	1	U	**0.28**	J	**0.31**	J	3.4
n-Propylbenzene	103-65-1	0.79	U	0.79	U	**0.19**	J	0.79	U	**0.34**	J	**0.25**	J	0.79	U	**0.25**	J	0.79	U	**0.19**	J	**0.22**	J	0.7
n-Undecane	1120-21-4	**3.4**		**2.6**		**2.3**	J	**2.1**	J	**3.2**		**2.1**	J	**2.2**	J	**0.55**	J	2.6	U	**0.34**	J	**0.36**	J	5
o-Xylene	95-47-6	**0.57**		**0.91**		**0.95**		**0.86**		**3.3**		**1.1**		**0.59**		**1.2**		0.35	U	**1**		**1.3**		3.1
Pentane	109-66-0	**16**		**2.4**		**2.5**		**2.5**		**2**		**3.7**		**1.3**		**1.5**		**0.52**	J	**1.7**		**2.6**		NL
Styrene	100-42-5	0.34	U	**0.17**	J	0.34	U	**0.27**	J	**1.8**		**0.12**	J	0.34	U	**0.19**	J	0.34	U	0.34	U	**0.15**	J	0.64
Tetrachloroethene (PCE)	127-18-4	**22**		**0.25**	J	**0.2**	J	**1.3**		**1.4**		**0.19**	J	**0.68**		**1.5**		0.54	U	**0.17**	J	**0.25**	J	1.1
Thiophene	110-02-1	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	NL
Toluene	108-88-3	**5.8**	B	**3.8**	B	**6.3**	B	**5**	B	**12**	B	**5**	B	**3.3**	B	**8.6**	B	**0.55**	B	**4.2**	B	**4.9**	B	24.8
trans-1,2-Dichloroethene	156-60-5	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	NA
trans-1,3-Dichloropropene	10061-02-6	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	<0.25
Trichloroethene (TCE)	79-01-6	**0.18**	J	**0.081**	J	**0.15**	J	**1.2**		**0.11**	J	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	<0.25
Trichlorofluoromethane (Freon 11)	75-69-4	**1.8**		**2.6**		**0.88**		**1.5**		**1**		**1.3**		**1.3**		**1.6**		**1.3**		**1.3**		**1.4**		5.4
Vinyl chloride	75-01-4	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	<0.25
Helium (%)	7440-59-7	**0.29**		NA		ND		NA		ND		NA		ND		NA		NA		NA		NA		NL
TICs (ug/m³)																								
1,2,4,5-Tetramethylbenzene	527-53-7	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA
2,3-Dimethylheptane	3074-71-3	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA
2,3-Dimethylpentane	565-59-3	**4.5**		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA
Butylcyclohexane	1678-93-9	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA

Notes:
All units in micrograms per cubic meter (µg/m³)
1 - New York State Department of Health, Study of VOCs in Air of Fuel Oil Heated Homes, November 14, 2005.
Bold - Compound detected in a concentration greater than the method reporting limits.
Exceeds NYSDOH Bakground Indoor Air Values 75th Percentile
NL - Not listed - data not available for background concentrations for these compounds.
ND - Non-detect.
NA - Not analyzed/not applicable.
U - The compound was analyzed for, but was not detected above the method reporting limit.
J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
B - Method blank contamination. The associated method blank contains the target analyte at a reportable level.
D - Result was obtained from the analysis of a dilution.
UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximated and may be UJ - inaccurate or imprecise.

Figures



NYSEG – OU2 **ITHACA/COURT STREET SITE** ITHACA, NEW YORK	**SITE LOCATION MAP**
DATE: 06/27/10	**FIGURE 2-1**

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 2-2_SITE PLAN.dwg Layout: ANSL_DI User: PetroskyK Plotted: Jan 20, 2011 - 12:01pm Xref's:

CASCADILLA STREET

ESTY STREET

WEST COURT STREET

WEST BUFALO STREET

NORTH MEADOW STREET

SOUTH MEADOW STREET

PARK PLACE

NORTH PLAIN STREET

NORTH ALBANY STREET

NORTH FULTON STREET

WASHINGTON STREET

FIFTH STREET

FOURTH STREET

MADISON STREET

CAYUGA INLET

AREA 1

AREA 2

AREA 3

CAYUGA INLET SITE

OU-1

TP100 WOODEN DUCT (REMOVED)

TP101

WOODEN DUCT

WOODEN DUCT (REMOVED)

IMMACULATECONCEPTION 320 W. BUFFALO STREET

MARKLES FLATS

POOL

PLAYGROUND

PAVED AREA

PARKING

PAVED PARKING

UNPAVED PARKING

OPEN STORAGE

OBSCURED

DECK

STAIRS

B BALL

PLAYGROUND

LEGEND

- MW-20D MONITORING WELL
- SB-80 SOIL BORING
- HP-12 HYDRO PUNCH
- SS-1 SURFACE SOIL SAMPLE PER IT CORPORATION (APPROXIMATE LOCATIONS)
- RW-1 RECOVERY WELL
- TP-9 TEST PIT - SHAPES & SIZES VARIED
- REMEDIATION AREAS FROM DUCT REMOVAL ACTIVITIES (2003 - 2005)
- PROPOSED TEST PIT LOCATION

SOURCE:
UTILITY LINES, CATCH BASIN, AND HYDRANT LOCATIONS PROVIDED BY CITY OF ITHACA, WATER AND SEWER DIVISION, 2008. LOCATION INFORMATION PROVIDED LIMITED TO AREAS OF INTEREST.

N

90 0 180

1"=180'

NOTES:

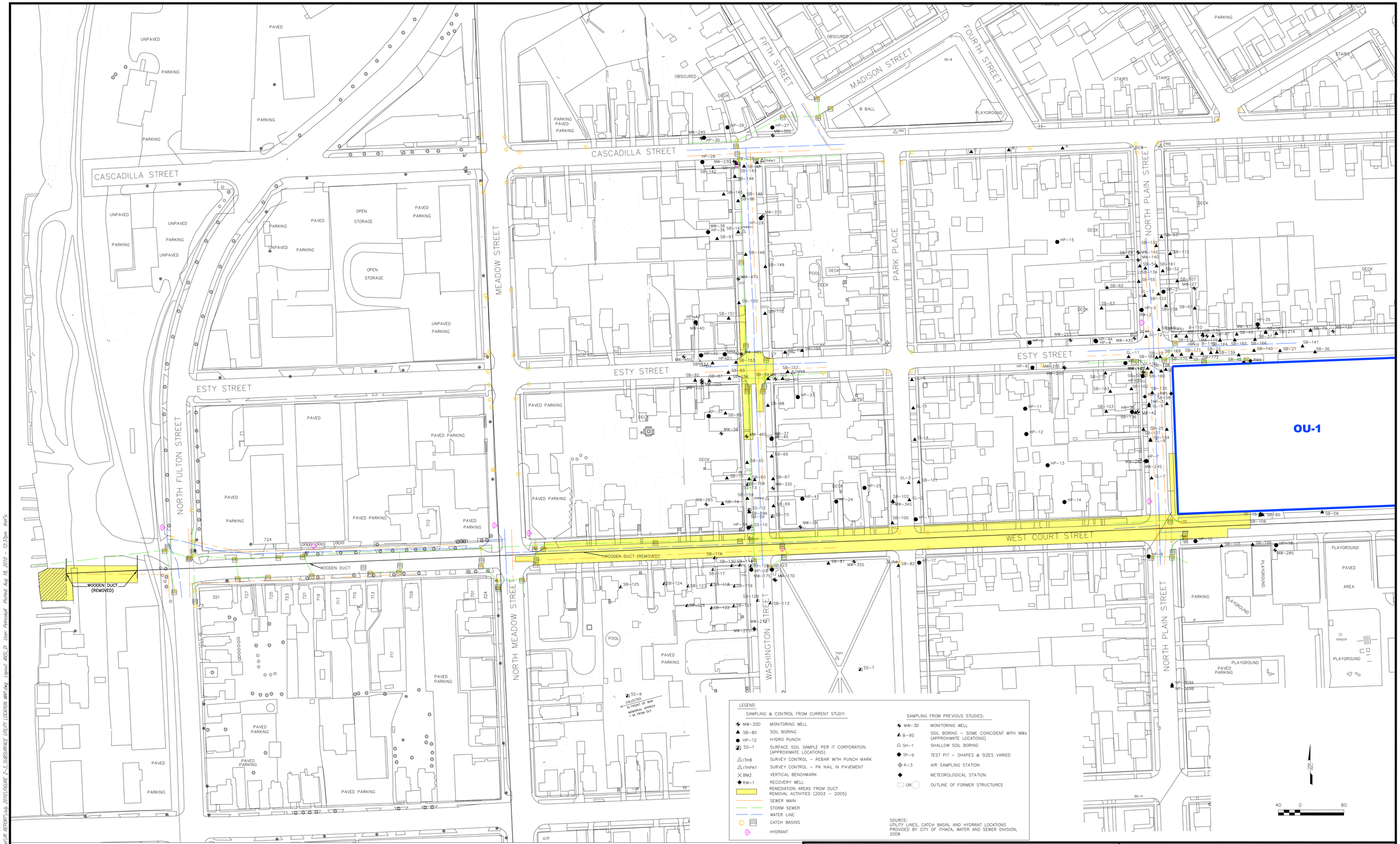
1. HORIZONTAL SURVEY CONTROL WAS ESTABLISHED USING SURVEY GRADE RTK GPS AND IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). THE PRIMARY MONUMENT USED IN SETTING SITE CONTROL WAS T1011 OF THE TOMPKINS COUNTY GPS GEODETIC CONTROL SURVEY DATED JULY 1992 BY MICHAEL BAKER JR., INC., BEAVER, PA. THIS WAS CHECKED INTO T1002.
2. THE SITE VERTICAL DATUM IS REFERENCED TO NGS FIRST ORDER, CLASS II, NAVD 88 BENCHMARKS, V463 AND V463 AND WAS SET BY MULTIPLE RTK GPS OBSERVATIONS.
3. BASE MAPPING WAS PRODUCED BY DIGITIZING AERIAL PHOTOS DATED APRIL 1992 BY MICHAEL BAKER JR., INC, BEAVER, PA., AND HAS BEEN UPDATED USING AERIAL PHOTOS DATED APRIL 1999.
4. SAMPLING LOCATIONS FROM PREVIOUS STUDIES ARE APPROXIMATE AND ARE SHOWN BASED ON FIGURE 4 IN THE TASK 3 REPORT PREPARED BY E.C.JORDAN CO., DATED MARCH 1988.
5. SURFACE SOIL SAMPLES, SS-1 - SS-10 WERE LOCATED BY THE IT CORPORATION AND HAVE BEEN TRANSFERRED DIRECTLY ONTO THIS SITE DRAWING FROM IT CORP GRAPHICS. SS-8 AND SS-9 ARE OUTSIDE THE LIMITS OF THIS DRAWING. SS-11 - SS-15 ARE SHOWN AT LOCATIONS SURVEYED ON 6/27/02.
6. COORDINATE VALUES FOR MONITORING WELLS, SOIL BORINGS, AND HYDRO PUNCH LOCATIONS WERE LOCATED BY NYSEG USING A COMBINATION OF RTK GPS AND CONVENTIONAL SURVEYING. MONITORING WELL ELEVATIONS WERE ESTABLISHED USING DIFFERENTIAL LEVELING.

AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

SITE PLAN

DATE: 04/29/10 | DRWN: DLS/PGH | | | **FIGURE 2-2**



NOTES:

1. HORIZONTAL SURVEY CONTROL WAS ESTABLISHED USING SURVEY GRADE RTK GPS AND IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). THE PRIMARY MONUMENT USED IN SETTING SITE CONTROL WAS T1011 OF THE TOMPKINS COUNTY GPS GEODETIC CONTROL SURVEY DATED JULY 1992 BY MICHAEL BAKER JR., INC., BEAVER, PA. THIS WAS CHECKED INTO T1002.
2. THE SITE VERTICAL DATUM IS REFERENCED TO NGS FIRST ORDER, CLASS II, NAVD 88 BENCHMARKS, V463 AND Y463 AND WAS SET BY MULTIPLE RTK GPS OBSERVATIONS.
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5. SURFACE SOIL SAMPLES, SS-1 – SS-10 WERE LOCATED BY THE IT CORPORATION AND HAVE BEEN TRANSFERRED DIRECTLY ONTO THIS SITE DRAWING FROM IT CORP GRAPHICS. SS-8 AND SS-9 ARE OUTSIDE THE LIMITS OF THIS DRAWING. SS-11 – SS-15 ARE SHOWN AT LOCATIONS SURVEYED ON 6/27/02.
6. COORDINATE VALUES FOR MONITORING WELLS, SOIL BORINGS, AND HYDRO PUNCH LOCATIONS WERE LOCATED BY NYSEG USING A COMBINATION OF RTK GPS AND CONVENTIONAL SURVEYING. MONITORING WELL ELEVATIONS WERE ESTABLISHED USING DIFFERENTIAL LEVELING.

AECOM

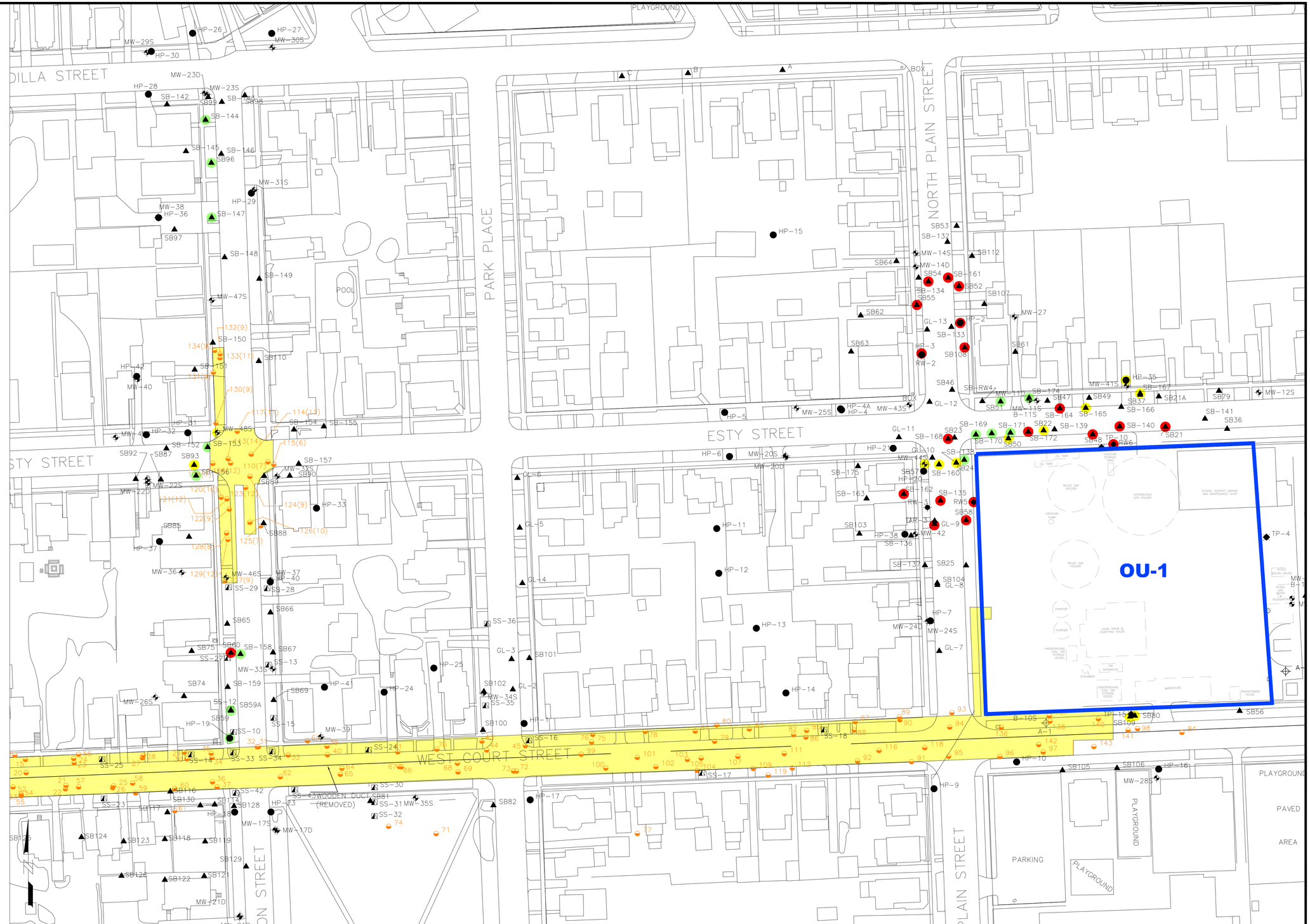
NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

DATE: 06/12/09 | DRWN: DLS/PGH

SUBSURFACE UTILITY LOCATION MAP

FIGURE 2-3

File: F:\04964_0U2\Court Street\01 REPORT\July 2010\FIGURE 2-3_SUBSURFACE UTILITY LOCATION MAP.dwg Layout: ANSI_D1 User: Petrosky Plotted: Aug 18, 2010 - 12:37pm Xref's:



AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

RI SAMPLE LOCATIONS

DATE: 07/26/10 | DRWN: KLP | **FIGURE 3-1**

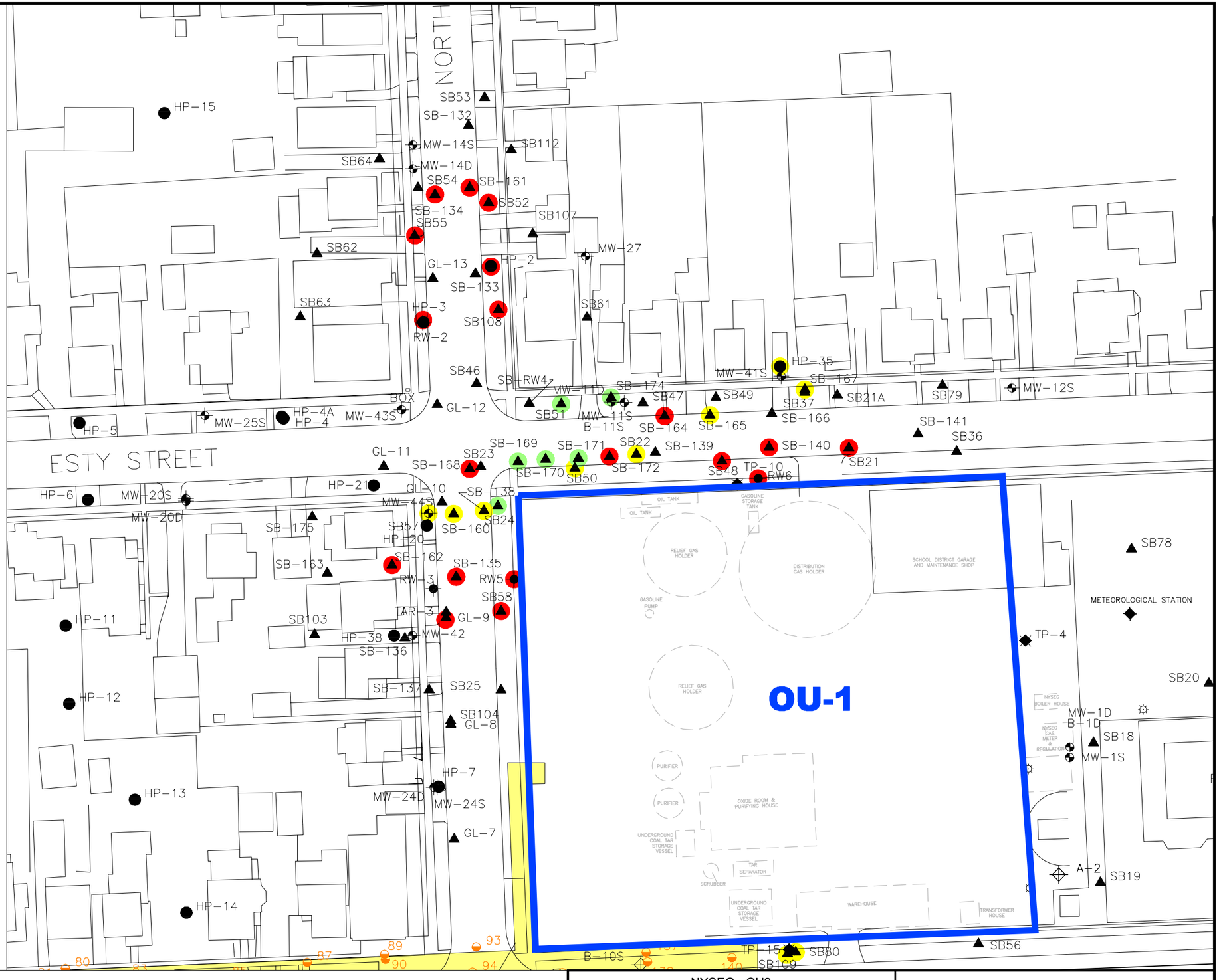
File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 3-1_RI_SAMPLE_LOCATIONS.dwg Layout: FIGURE 1 User: PetroskyK Plotted: Jan 31, 2011 – 4:02pm Xref's:

LEGEND

MW-20D	MONITORING WELL
SB80	SOIL BORING
HP-12	HYDRO PUNCH
SS-1	SURFACE SOIL SAMPLE PER IT CORPORATION (APPROXIMATE LOCATIONS)
RW-1	RECOVERY WELL
	TEST PIT
	CONFIRMATION SAMPLE
106(7)	CONFIRMATION SAMPLE ID(DEPTH)
	REMEDIATION AREAS FROM DUCT REMOVAL ACTIVITIES (2003 – 2005)
	HISTORIC FEATURE
	STRONG HYDROCARBON-LIKE ODOR, LIGHT STAIN OR SHEEN
	HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
	COAL TAR PRESENT OR COAL TAR STRINGERS, LAYERS, OR SATURATED SOIL
NA	NOT ANALYZED

NOTES:

1. HORIZONTAL SURVEY CONTROL WAS ESTABLISHED USING SURVEY GRADE RTK GPS AND IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). THE PRIMARY MONUMENT USED IN SETTING SITE CONTROL WAS T1011 OF THE TOMPKINS COUNTY GPS GEODETIC CONTROL SURVEY DATED JULY 1992 BY MICHAEL BAKER JR., INC., BEAVER, PA. THIS WAS CHECKED INTO T1002.
2. THE SITE VERTICAL DATUM IS REFERENCED TO NGS FIRST ORDER, CLASS II, NAVD 88 BENCHMARKS, V463 AND Y463 AND WAS SET BY MULTIPLE RTK GPS OBSERVATIONS.
3. BASE MAPPING WAS PRODUCED BY DIGITIZING AERIAL PHOTOS DATED APRIL 1992 BY MICHAEL BAKER JR., INC, BEAVER, PA., AND HAS BEEN UPDATED USING AERIAL PHOTOS DATED APRIL 1999.
4. SAMPLING LOCATIONS FROM PREVIOUS STUDIES ARE APPROXIMATE AND ARE SHOWN BASED ON FIGURE 4 IN THE TASK 3 REPORT PREPARED BY E.C.JORDAN CO., DATED MARCH 1988.
5. SURFACE SOIL SAMPLES, SS-1 – SS-10 WERE LOCATED BY THE IT CORPORATION AND HAVE BEEN TRANSFERRED DIRECTLY ONTO THIS SITE DRAWING FROM IT CORP GRAPHICS. SS-8 AND SS-9 ARE OUTSIDE THE LIMITS OF THIS DRAWING. SS-11 – SS-15 ARE SHOWN AT LOCATIONS SURVEYED ON 6/27/02.
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30 0 60

1"=60'

N

AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK (60143516.500)

AREA 1
RI SAMPLE LOCATIONS

DATE: 04/29/10 | DRWN: DLS/PGH | | **FIGURE 3-2**

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 3-2_AREA 1_IMPACTS.dwg Layout: FIGURE 1 User: Petroskyk Plotted: Jul 27, 2010 - 10:33am Xref's:

LEGEND

- MW-20D — MONITORING WELL
- SB80 — SOIL BORING
- HP-12 — HYDRO PUNCH
- SS-1 — SURFACE SOIL SAMPLE PER IT CORPORATION (APPROXIMATE LOCATIONS)
- RW-1 — RECOVERY WELL
- TEST PIT
- REMEDIATION AREAS FROM DUCT REMOVAL ACTIVITIES (2003 - 2005)
- STRONG HYDROCARBON-LIKE ODOR, LIGHT STAIN OR SHEEN
- HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
- COAL TAR PRESENT OR COAL TAR STRINGERS, LAYERS, OR SATURATED SOIL

NOTES:

1. HORIZONTAL SURVEY CONTROL WAS ESTABLISHED USING SURVEY GRADE RTK GPS AND IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). THE PRIMARY MONUMENT USED IN SETTING SITE CONTROL WAS T1011 OF THE TOMPKINS COUNTY GPS GEODETIC CONTROL SURVEY DATED JULY 1992 BY MICHAEL BAKER JR., INC., BEAVER, PA. THIS WAS CHECKED INTO T1002.
2. THE SITE VERTICAL DATUM IS REFERENCED TO NGS FIRST ORDER, CLASS II, NAVD 88 BENCHMARKS, V463 AND Y463 AND WAS SET BY MULTIPLE RTK GPS OBSERVATIONS.
3. BASE MAPPING WAS PRODUCED BY DIGITIZING AERIAL PHOTOS DATED APRIL 1992 BY MICHAEL BAKER JR., INC, BEAVER, PA., AND HAS BEEN UPDATED USING AERIAL PHOTOS DATED APRIL 1999.
4. SAMPLING LOCATIONS FROM PREVIOUS STUDIES ARE APPROXIMATE AND ARE SHOWN BASED ON FIGURE 4 IN THE TASK 3 REPORT PREPARED BY E.C.JORDAN CO., DATED MARCH 1988.
5. SURFACE SOIL SAMPLES, SS-1 - SS-10 WERE LOCATED BY THE IT CORPORATION AND HAVE BEEN TRANSFERRED DIRECTLY ONTO THIS SITE DRAWING FROM IT CORP GRAPHICS. SS-8 AND SS-9 ARE OUTSIDE THE LIMITS OF THIS DRAWING. SS-11 - SS-15 ARE SHOWN AT LOCATIONS SURVEYED ON 6/27/02.
6. COORDINATE VALUES FOR MONITORING WELLS, SOIL BORINGS, AND HYDRO PUNCH LOCATIONS WERE LOCATED BY NYSEG USING A COMBINATION OF RTK GPS AND CONVENTIONAL SURVEYING. MONITORING WELL ELEVATIONS WERE ESTABLISHED USING DIFFERENTIAL LEVELING.

30 0 60

1"=60'

N

MW-29S HP-30 MW-30S

STREET

MW-23D HP-28 MW-23S SB98 SB99 SB-142 SB-143 SB-144 SB-145 SB-146 SB96 MW-31S HP-29 MW-38 HP-36 SB-147 SB97 SB-148 SB-149 POOL MW-47S SB-150 PARK PLACE

SB-151 SB110 HP-42 MW-40 HP-31 HP-32 SB-154 SB-155 MW-48S MW-45S SB-152 SB-153 SB93 SB-157 SB92 SB87 SB-156 MW-32S SB90 SB89 MW-22S MW-22D HP-33 SB88 SB85 HP-37 MW-36 MW-46S MW-37 HP-40 SB66 SB65

ESTY STREET

SB75 SB60 SB-158 SB67 SS-13 MW-33S HP-25 SB-159 HP-41 HP-24 SB102 SB74 MW-26S SS-12 SB59A SB59 SB69 SS-15 SB100 MW-39 HP-19 SS-10

WEST COURT STREET

SB116 SB114 SB81 MW-35S SB130 SB128 SB117 HP-18 HP-23 MW-17D MW-17S WOODEN DUCT (REMOVED) SB125 SB124 SB123 SB118 SB119 SB129 SB121 SB126 SB122 MW-21D MW-21S

AECOM	NYSEG - OU2 ITHACA/COURT STREET SITE ITHACA, NEW YORK	**AREA 2** **RI SAMPLE LOCATIONS**
	DATE: 04/29/10 DRWN: DLS/PGH	**FIGURE 3-3**

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 4-1a_CROSS SECTION LOCATION MAP & HYDROCARBON EXTENT_AREA 1.dwg Layout: FIGURE 1 User: PetroskyK Plotted: Aug 19, 2010 - 12:43pm Xref's:

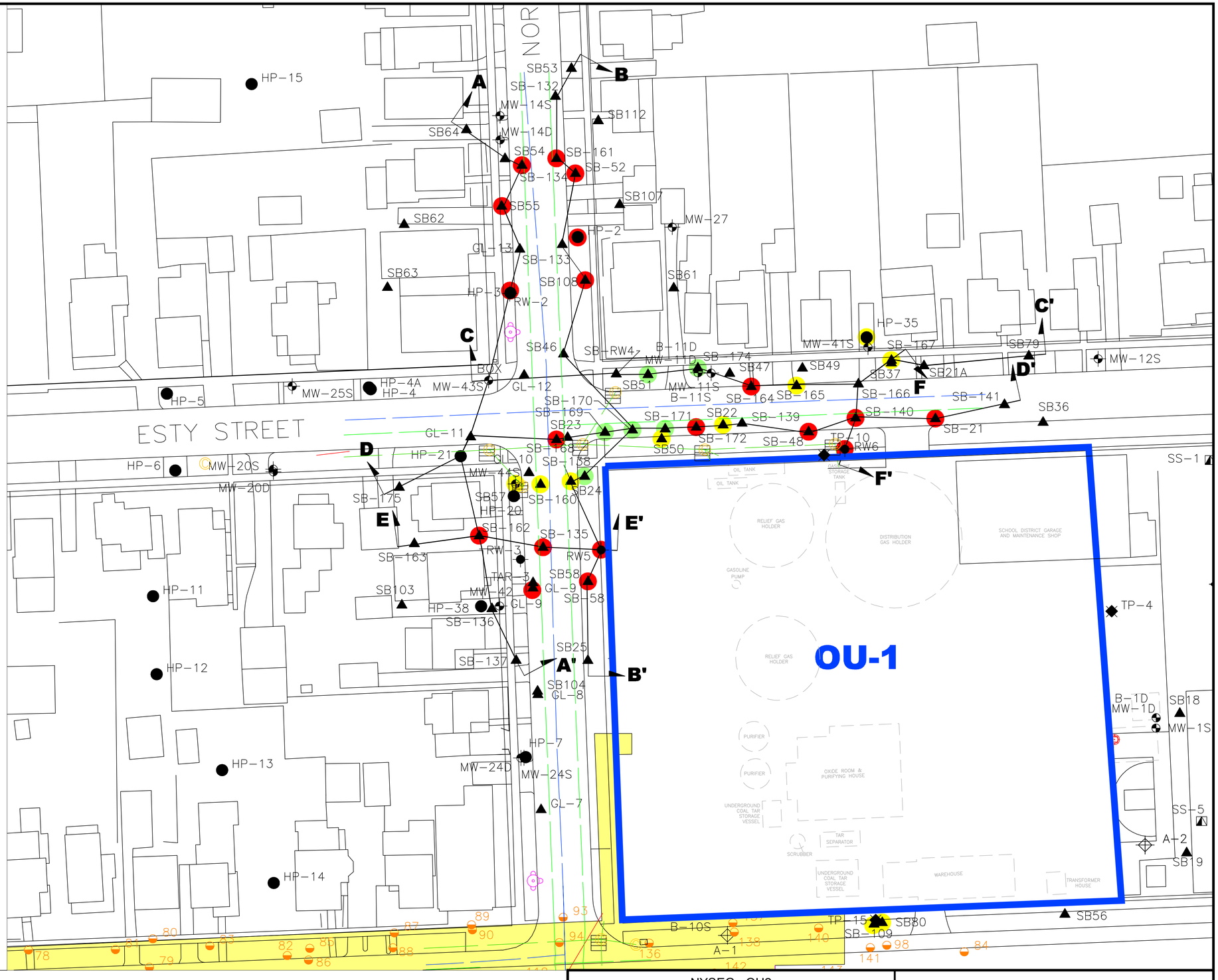
LEGEND

- MW-20D — MONITORING WELL
- SB80 — SOIL BORING
- HP-12 — HYDRO PUNCH
- SS-1 — SURFACE SOIL SAMPLE PER IT CORPORATION (APPROXIMATE LOCATIONS)
- RW-1 — RECOVERY WELL
- CONFIRMATION SAMPLE
- 106(7) — CONFIRMATION SAMPLE ID(DEPTH)
- REMEDIATION AREAS FROM DUCT REMOVAL ACTIVITIES (2003 – 2005)
- ELECTRIC LINE
- WATER LINE
- STORM MAIN
- STORM SEWER
- CATCH BASINS
- HYDRANT
- CROSS SECTION LOCATION
- STRONG HYDROCARBON-LIKE ODOR, LIGHT STAIN OR SHEEN
- HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
- COAL TAR PRESENT OR COAL TAR STRINGERS, LAYERS, OR SATURATED SOIL

SOURCE:
UTILITY LINES, CATCH BASIN, AND HYDRANT LOCATIONS PROVIDED BY CITY OF ITHACA, WATER AND SEWER DIVISION, 2008. LOCATION INFORMATION PROVIDED LIMITED TO AREAS OF INTEREST.

NOTES:

1. HORIZONTAL SURVEY CONTROL WAS ESTABLISHED USING SURVEY GRADE RTK GPS AND IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). THE PRIMARY MONUMENT USED IN SETTING SITE CONTROL WAS T1011 OF THE TOMPKINS COUNTY GPS GEODETIC CONTROL SURVEY DATED JULY 1992 BY MICHAEL BAKER JR., INC., BEAVER, PA. THIS WAS CHECKED INTO T1002.
2. THE SITE VERTICAL DATUM IS REFERENCED TO NGS FIRST ORDER, CLASS II, NAVD 88 BENCHMARKS, V463 AND Y463 AND WAS SET BY MULTIPLE RTK GPS OBSERVATIONS.
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AECOM

NYSEG - OU2 ITHACA/COURT STREET SITE ITHACA, NEW YORK	**AREA 1 CROSS SECTION LOCATION MAP AND EXTENT OF OBSERVED HYDROCARBON IMPACTS**
DATE: 04/29/10 | DRWN: DLS/PGH	**FIGURE 4-1a**

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 4-1b_CROSS SECTION LOCATION MAP & HYDROCARBON EXTENT AREA 2.dwg Layout: ANSI_BVI-CP User: PetroskyK Plotted: Aug 19, 2010 - 11:12am Xref

LEGEND

- MW-20D — MONITORING WELL
- SB80 — SOIL BORING
- HP-12 — HYDRO PUNCH
- SS-1 — SURFACE SOIL SAMPLE PER IT CORPORATION (APPROXIMATE LOCATIONS)
- RW-1 — RECOVERY WELL
- CONFIRMATION SAMPLE
- 106(7) — CONFIRMATION SAMPLE ID(DEPTH)
- REMEDIATION AREAS FROM DUCT REMOVAL ACTIVITIES (2003 - 2005)
- ELECTRIC LINE
- WATER LINE
- STORM MAIN
- STORM SEWER
- CATCH BASINS
- HYDRANT
- CROSS SECTION LOCATION
- STRONG HYDROCARBON-LIKE ODOR, LIGHT STAIN OR SHEEN
- HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
- COAL TAR PRESENT OR COAL TAR STRINGERS, LAYERS, OR SATURATED SOIL

NOTES:

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30 0 60

N

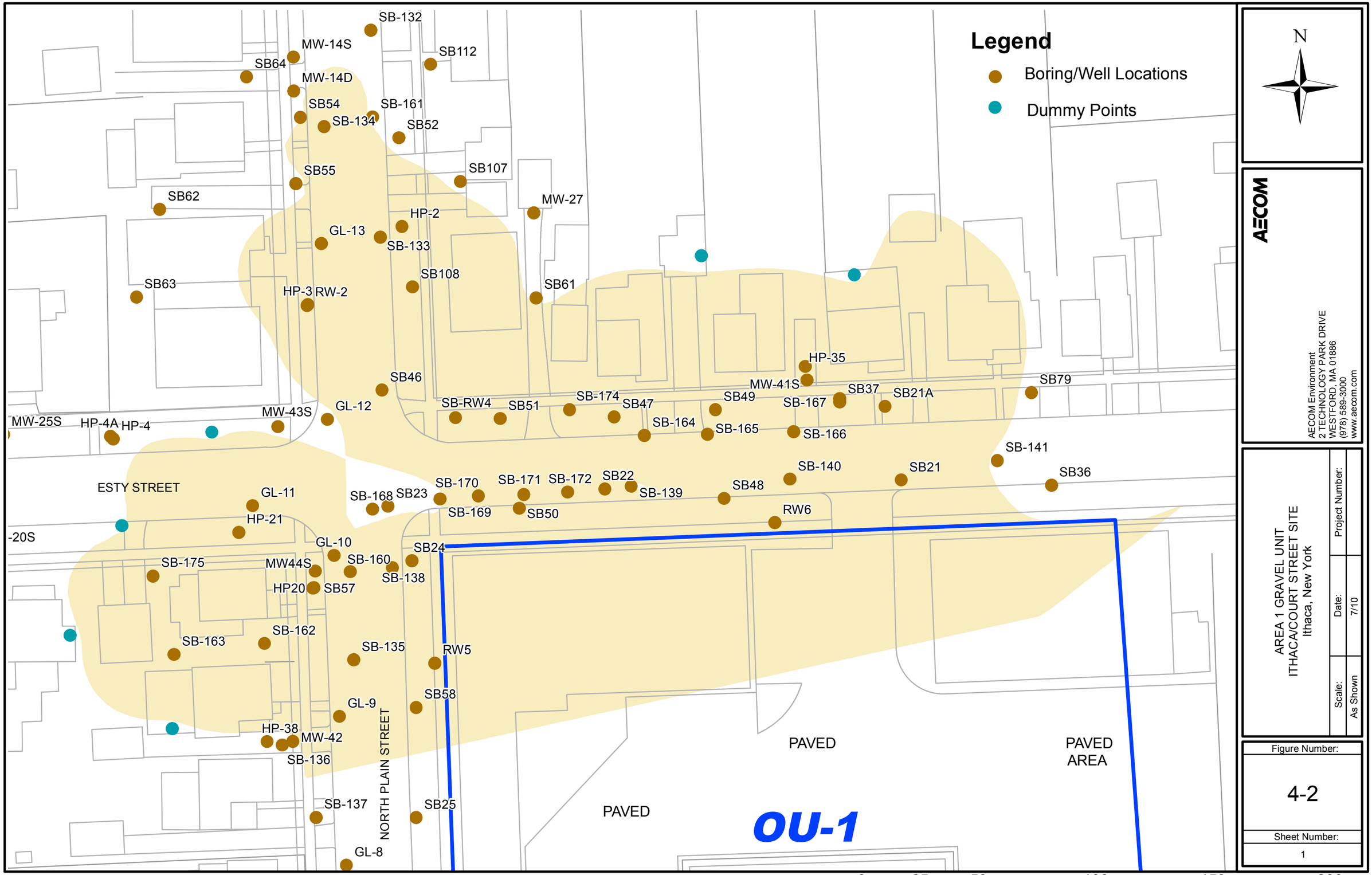
AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

DATE: 04/07/10 | DRWN: DLS/PGH

AREA 2 CROSS SECTION LOCATION MAP AND EXTENT OF OBSERVED HYDROCARBON IMPACTS

FIGURE 4-1b



Note: Six dummy points were added to the geology dataset to constrain the gravel unit in the visualization to areas observed in the field.

AECOM
AECOM Environment
2 TECHNOLOGY PARK DRIVE
WESTFORD, MA 01886
(978) 589-3000
www.aecom.com

AREA 1 GRAVEL UNIT
ITHACA/COURT STREET SITE
Ithaca, New York

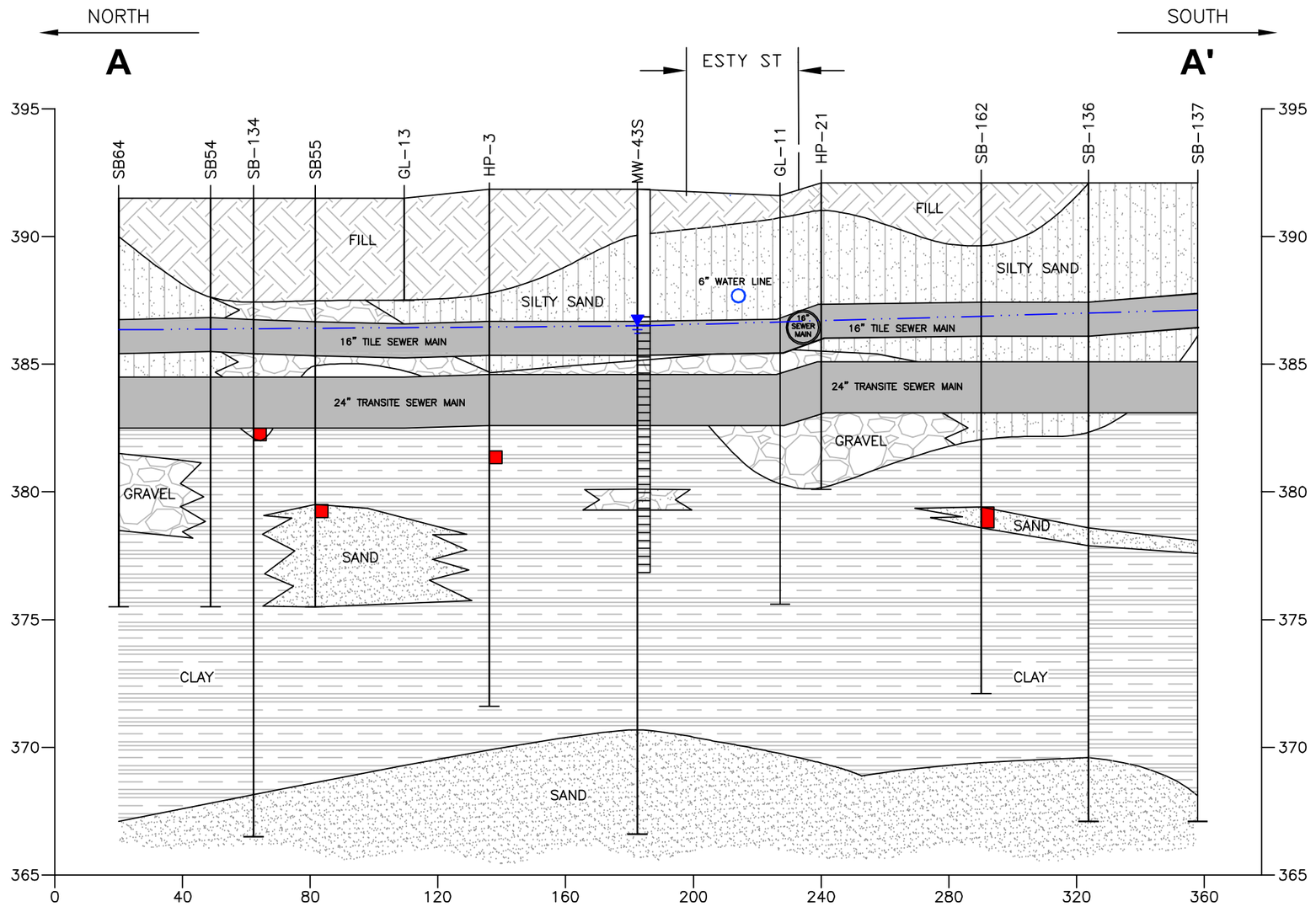
Project Number:

Date: 7/10

Scale: As Shown

Figure Number: 4-2

Sheet Number: 1



OBSERVED HYDROCARBON IMPACTS

- HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
- COAL TAR PRESENT OR COAL TAR SATURATED
- COAL TAR ODORS

LEGEND

- FILL
- SILTY SAND
- CLAY
- SAND
- PEAT
- GRAVEL
- OBSERVED CONTACT
- INFERRED CONTACT
- APPROXIMATE GROUNDWATER ELEVATION (2010)

WELL CONSTRUCTION

- SCREENED INTERVAL
- RISER
- SUMP

NOTES:
1. THE DESCRIPTIONS AND COLORED PORTIONS OF THE FIGURE ARE GENERAL IN NATURE AND ARE BASED ON A LIMITED NUMBER OF SAMPLES. REFER TO THE BORING LOGS AND THE RESULTS OF THE CHEMICAL ANALYSES FOR SPECIFIC INFORMATION REGARDING THE SUBSURFACE GEOLOGICAL UNITS AND THE DISTRIBUTION OF ANALYTICAL COMPOUNDS.
2. SECTION IS POINT TO POINT.
3. UTILITIES ARE NOT ORIENTED ON SAME LINE AS CROSS SECTION. SEE CROSS SECTION LOCATION MAP (FIGURE 2-3).
4. DEPTH TO WATER UTILITIES WERE UNAVAILABLE. DEPTHS ARE ESTIMATED.
5. SOURCE SUBSURFACE UTILITIES: CITY OF ITHACA, DEPARTMENT OF PUBLIC WORKS, WATER AND SEWER DIVISION, SEWER MAP 123.

20 0 40

1"=40'

VERTICAL EXAGGERATION = 8X

AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

CROSS SECTION A-A'

DATE: 04/29/10 | DRWN: DLS/PGH | **FIGURE 4-3**

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 4-3_CROSS SECTION A-A'.dwg Layout: ANSI_BI-LJ User: PetroskykK Plotted: Jul 30, 2010 - 10:48am Xref's:

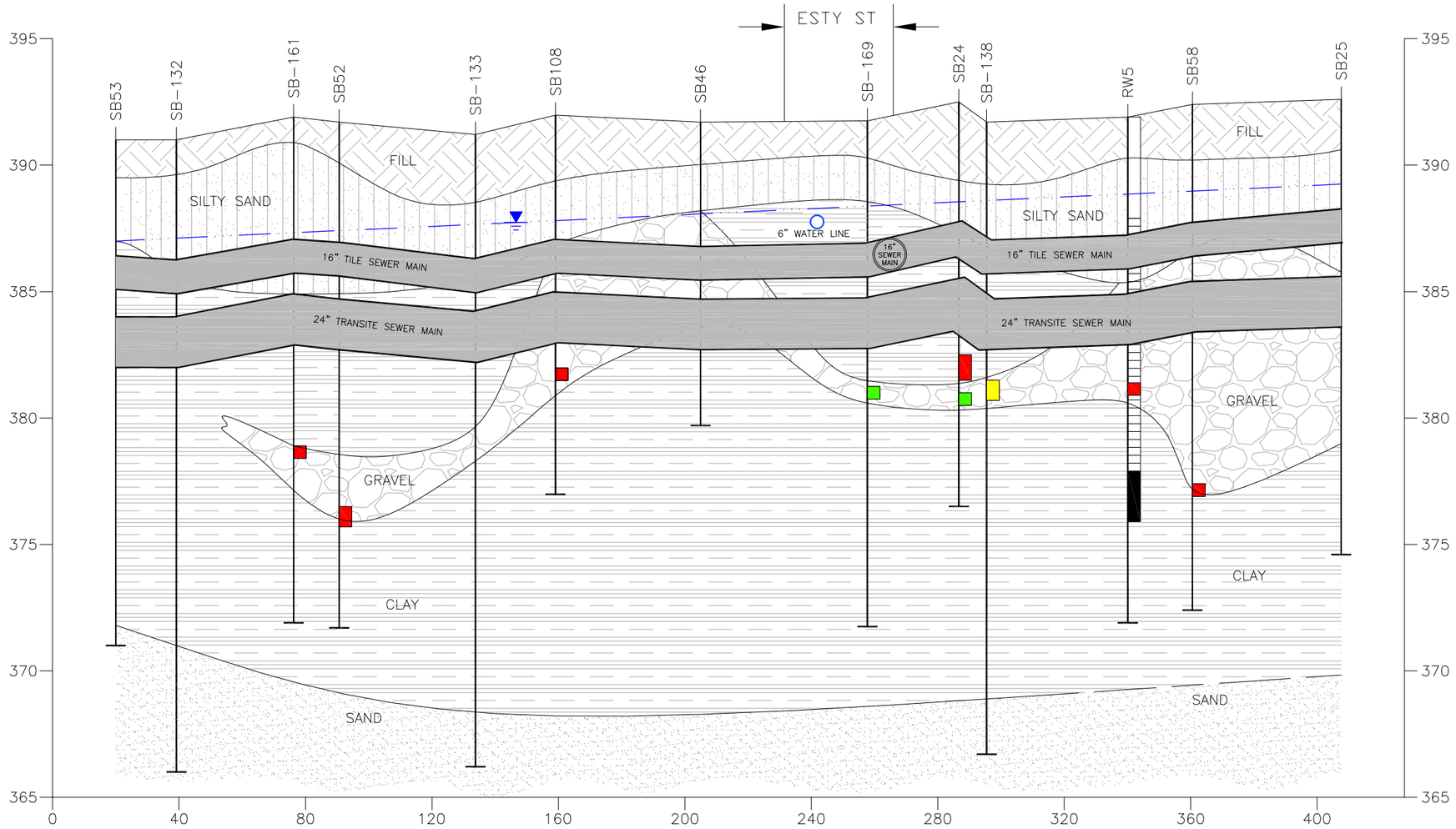
File: F:\|04964_OU2|Court Street|RI REPORT|July 2010|FIGURE 4-4_CROSS SECTION B-B'.dwg Layout: ANSL_BI-LJ User: PetroskyK Plotted: Oct 13, 2010 - 10:42am Xref's:

NORTH

B

SOUTH

B'



OBSERVED HYDROCARBON IMPACTS

- HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
- COAL TAR PRESENT OR COAL TAR SATURATED
- COAL TAR ODORS

LEGEND

- FILL
- SILTY SAND
- CLAY
- SAND
- PEAT
- GRAVEL
- OBSERVED CONTACT
- INFERRED CONTACT
- APPROXIMATE GROUNDWATER ELEVATION (2010)

WELL CONSTRUCTION

- SCREENED INTERVAL
- RISER
- SUMP

NOTES:
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2. SECTION IS POINT TO POINT.
3. UTILITIES ARE NOT ORIENTED ON SAME LINE AS CROSS SECTION. SEE CROSS SECTION LOCATION MAP (FIGURE 2-3).
4. DEPTH TO WATER UTILITIES WERE UNAVAILABLE. DEPTHS ARE ESTIMATED.
5. SOURCE SUBSURFACE UTILITIES: CITY OF ITHACA, DEPARTMENT OF PUBLIC WORKS, WATER AND SEWER DIVISION, SEWER MAP 123.

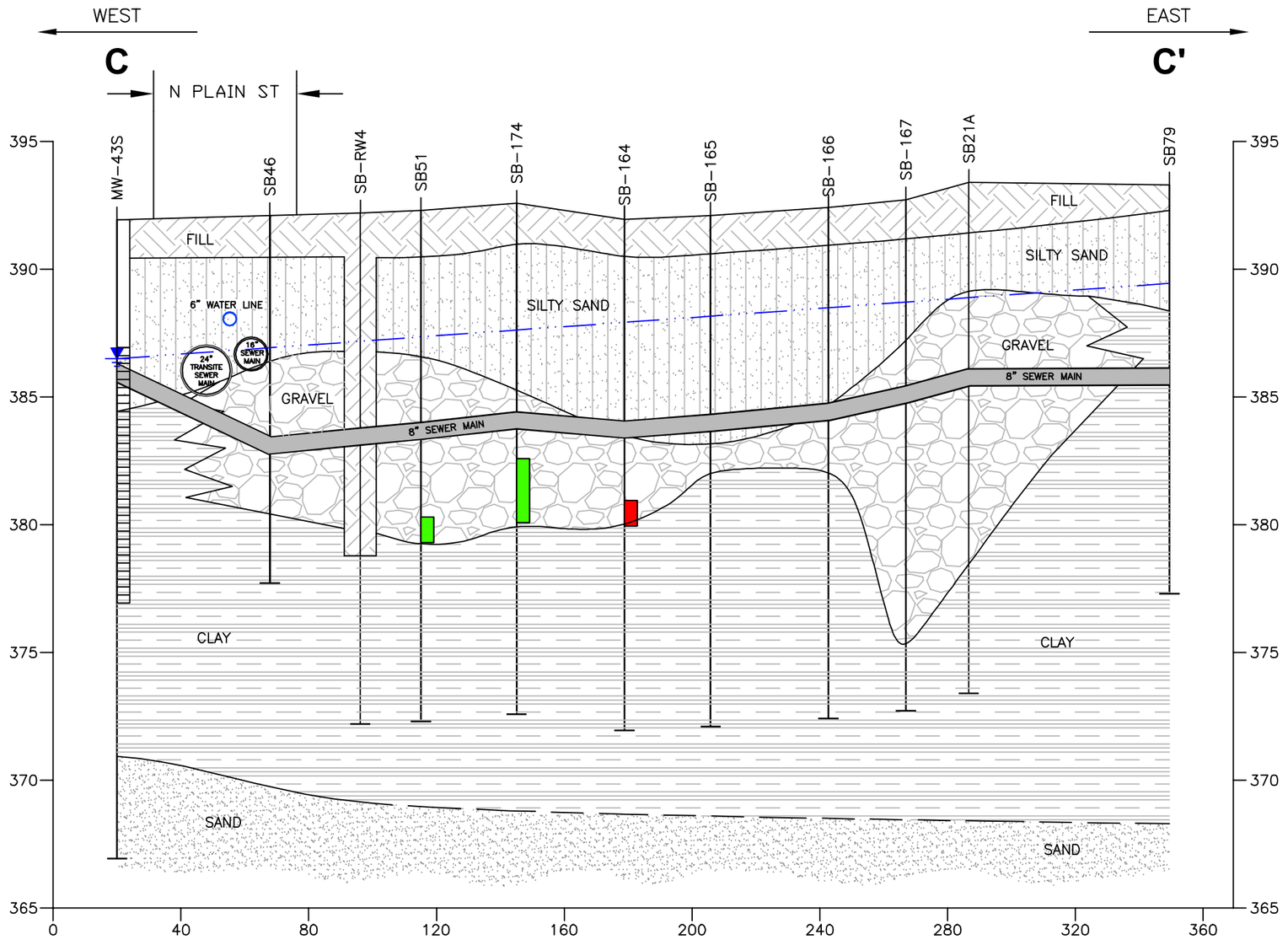
20 0 40

1"=40'

VERTICAL EXAGGERATION = 8X

AECOM

NYSEG - OU2 ITHACA/COURT STREET SITE ITHACA, NEW YORK			**CROSS SECTION B-B'**
DATE: 04/29/10	DRWN: DLS/PGH		**FIGURE 4-4**



OBSERVED HYDROCARBON IMPACTS

- HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
- COAL TAR PRESENT OR COAL TAR SATURATED
- COAL TAR ODORS

LEGEND

- FILL
- SILTY SAND
- CLAY
- SAND
- PEAT
- GRAVEL
- OBSERVED CONTACT
- INFERRED CONTACT
- APPROXIMATE GROUNDWATER ELEVATION (2010)

WELL CONSTRUCTION

- SCREENED INTERVAL
- RISER
- SUMP

NOTES:
1. THE DESCRIPTIONS AND COLORED PORTIONS OF THE FIGURE ARE GENERAL IN NATURE AND ARE BASED ON A LIMITED NUMBER OF SAMPLES. REFER TO THE BORING LOGS AND THE RESULTS OF THE CHEMICAL ANALYSES FOR SPECIFIC INFORMATION REGARDING THE SUBSURFACE GEOLOGICAL UNITS AND THE DISTRIBUTION OF ANALYTICAL COMPOUNDS.
2. SECTION IS POINT TO POINT.
3. UTILITIES ARE NOT ORIENTED ON SAME LINE AS CROSS SECTION. SEE CROSS SECTION LOCATION MAP (FIGURE 2-3).
4. DEPTH TO WATER UTILITIES WERE UNAVAILABLE. DEPTHS ARE ESTIMATED.
5. SOURCE SUBSURFACE UTILITIES: CITY OF ITHACA, DEPARTMENT OF PUBLIC WORKS, WATER AND SEWER DIVISION, SEWER MAP 88.

20 0 40

1"=40'

VERTICAL EXAGGERATION = 8X

AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

CROSS SECTION C-C'

DATE: 04/29/10 | DRWN: DLS/PGH | **FIGURE 4-5**

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 4-5_CROSS SECTION C-C'.dwg Layout: ANSI_B(-LJ User: PetroskyK Plotted: Jul 30, 2010 - 10:54am Xref's:

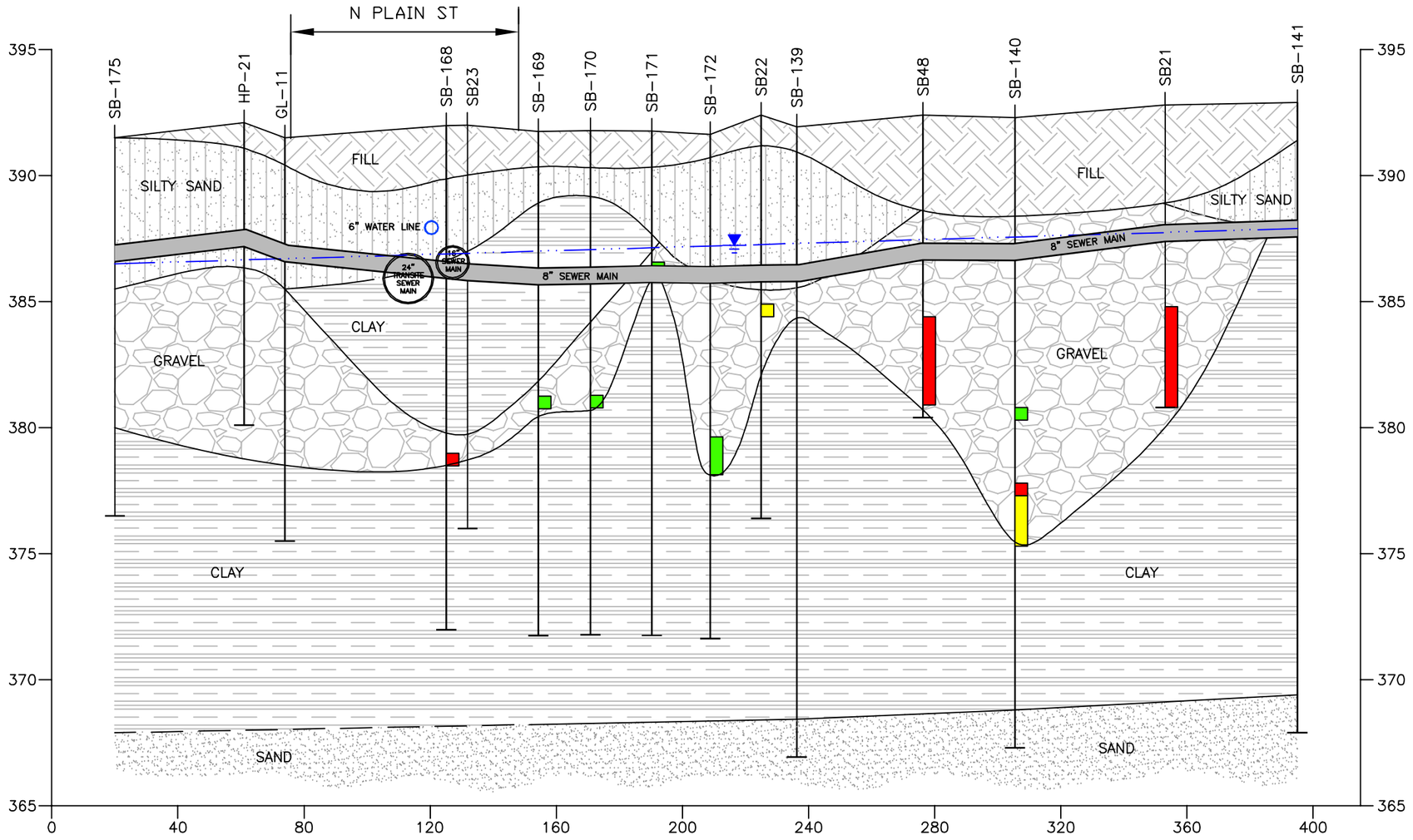
File: F:\|04964_OU2\|Court Street\|RI REPORT\|July 2010\|FIGURE 4-6_CROSS SECTION D-D'.dwg Layout: ANSI_BI-LJ User: PetroskyK Plotted: Jul 30, 2010 - 10:53am Xref's:

WEST

D

EAST

D'



OBSERVED HYDROCARBON IMPACTS

- HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
- COAL TAR PRESENT OR COAL TAR SATURATED
- COAL TAR ODORS

LEGEND

- FILL
- SILTY SAND
- CLAY
- SAND
- PEAT
- GRAVEL
- OBSERVED CONTACT
- INFERRED CONTACT
- APPROXIMATE GROUNDWATER ELEVATION (2010)

WELL CONSTRUCTION

- SCREENED INTERVAL
- RISER
- SUMP

NOTES:
1. THE DESCRIPTIONS AND COLORED PORTIONS OF THE FIGURE ARE GENERAL IN NATURE AND ARE BASED ON A LIMITED NUMBER OF SAMPLES. REFER TO THE BORING LOGS AND THE RESULTS OF THE CHEMICAL ANALYSES FOR SPECIFIC INFORMATION REGARDING THE SUBSURFACE GEOLOGICAL UNITS AND THE DISTRIBUTION OF ANALYTICAL COMPOUNDS.
2. SECTION IS POINT TO POINT.
3. UTILITIES ARE NOT ORIENTED ON SAME LINE AS CROSS SECTION. SEE CROSS SECTION LOCATION MAP (FIGURE 2-3).
4. DEPTH TO WATER UTILITIES WERE UNAVAILABLE. DEPTHS ARE ESTIMATED.
5. SOURCE SUBSURFACE UTILITIES: CITY OF ITHACA, DEPARTMENT OF PUBLIC WORKS, WATER AND SEWER DIVISION, SEWER MAP 88.

20 0 40

1"=40'

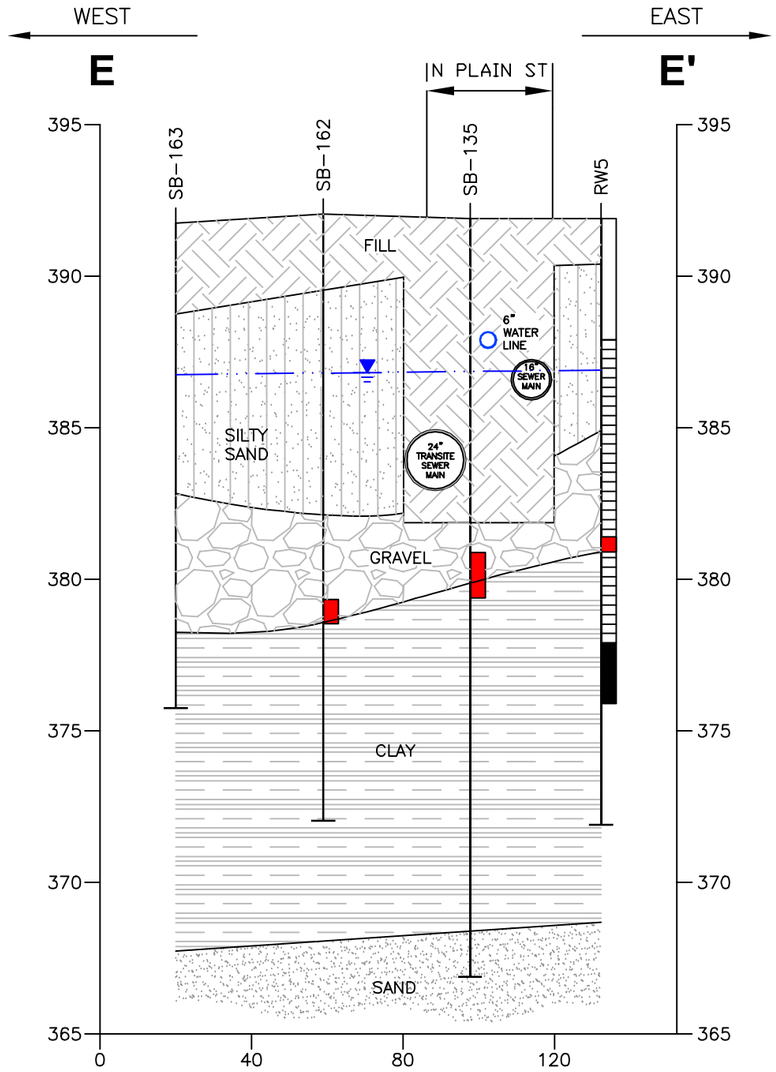
VERTICAL EXAGGERATION = 8X

AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

CROSS SECTION D-D'

DATE: 04/29/10 | DRWN: DLS/PGH | **FIGURE 4-6**



OBSERVED HYDROCARBON IMPACTS

- HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
- COAL TAR PRESENT OR COAL TAR SATURATED
- COAL TAR ODORS

LEGEND

- FILL
- SILTY SAND
- CLAY
- SAND
- PEAT
- GRAVEL
- OBSERVED CONTACT
- INFERRED CONTACT
- APPROXIMATE GROUNDWATER ELEVATION (2010)

WELL CONSTRUCTION

- SCREENED INTERVAL
- RISER
- SUMP

NOTES:
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2. SECTION IS POINT TO POINT.
3. UTILITIES ARE NOT ORIENTED ON SAME LINE AS CROSS SECTION. SEE CROSS SECTION LOCATION MAP (FIGURE 2-3).
4. DEPTH TO WATER UTILITIES WERE UNAVAILABLE. DEPTHS ARE ESTIMATED.
5. SOURCE SUBSURFACE UTILITIES: CITY OF ITHACA, DEPARTMENT OF PUBLIC WORKS, WATER AND SEWER DIVISION, SEWER MAP 123.

20 0 40

1"=40'

VERTICAL EXAGGERATION = 8X

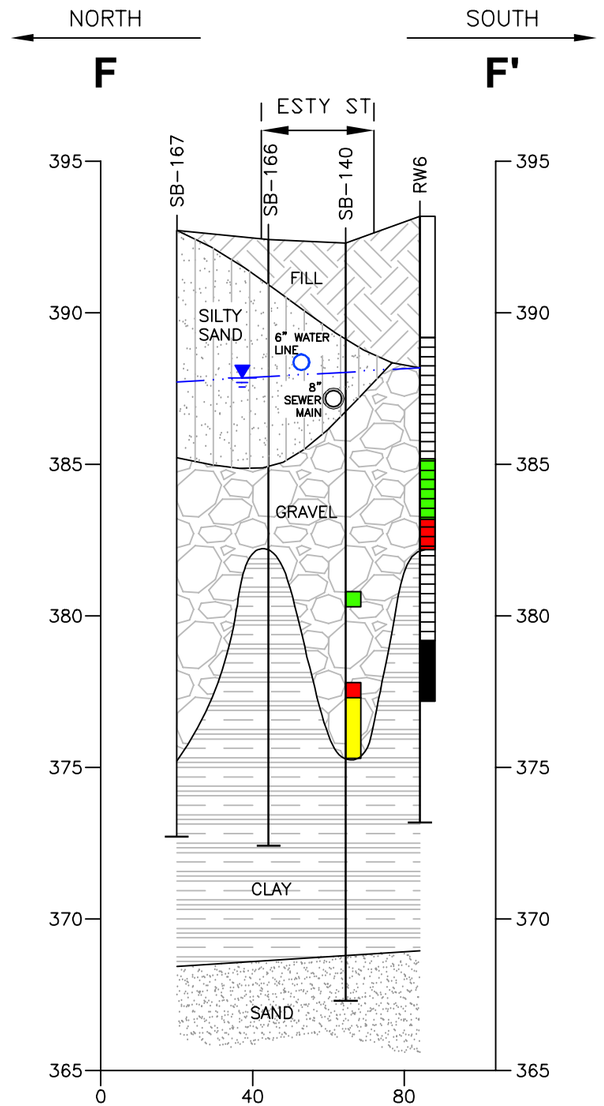
AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

CROSS SECTION E-E'

DATE: 04/29/10 | DRWN: DLS/PGH | | | **FIGURE 4-7**

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 4-7_CROSS SECTION E-E'.dwg Layout: ANSI_BI-LJ User: PetroskyK Plotted: Jul 30, 2010 - 10:53am Xref's:



OBSERVED HYDROCARBON IMPACTS

- HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
- COAL TAR ODORS
- COAL TAR PRESENT OR COAL TAR SATURATED

LEGEND

- FILL
- CLAY
- PEAT
- SILTY SAND
- SAND
- GRAVEL
- OBSERVED CONTACT
- INFERRED CONTACT
- APPROXIMATE GROUNDWATER ELEVATION (2010)

WELL CONSTRUCTION

- SCREENED INTERVAL
- RISER
- SUMP

NOTES:
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2. SECTION IS POINT TO POINT.
3. UTILITIES ARE NOT ORIENTED ON SAME LINE AS CROSS SECTION. SEE CROSS SECTION LOCATION MAP (FIGURE 2-3).
4. DEPTH TO WATER UTILITIES WERE UNAVAILABLE. DEPTHS ARE ESTIMATED.
5. SOURCE SUBSURFACE UTILITIES: CITY OF ITHACA, DEPARTMENT OF PUBLIC WORKS, WATER AND SEWER DIVISION, SEWER MAP 88.

20 0 40

1"=40'

VERTICAL EXAGGERATION = 8X

AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

CROSS SECTION F-F'

DATE: 04/29/10 | DRWN: DLS/PGH | **FIGURE 4-8**

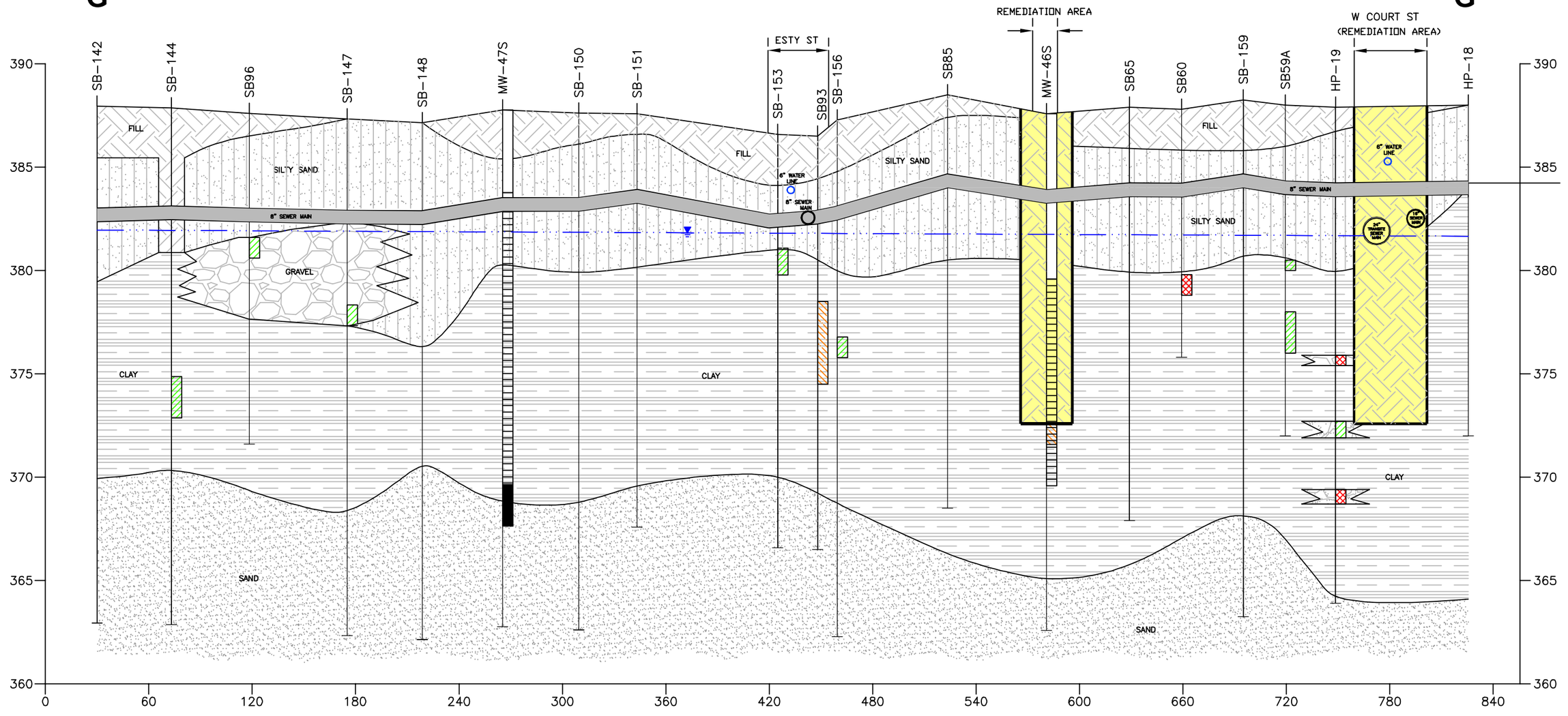
File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 4-8_CROSS SECTION F-F'.dwg Layout: ANSI_BI-LJ User: PetroskykK Plotted: Jul 30, 2010 - 10:53am Xref's:

NORTH

G

SOUTH

G'



OBSERVED HYDROCARBON IMPACTS

- HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
- COAL TAR ODORS
- COAL TAR PRESENT OR COAL TAR SATURATED

IMPACTS OBSERVED WITHIN THIN SAND LENSES OR ROOT CHANNELS

LEGEND

- FILL
- CLAY
- PEAT
- SILTY SAND
- SAND
- GRAVEL
- OBSERVED CONTACT
- INFERRED CONTACT
- APPROXIMATE GROUNDWATER ELEVATION (2010)

WELL CONSTRUCTION

- SCREENED INTERVAL
- RISER
- SUMP

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3. UTILITIES ARE NOT ORIENTED ON SAME LINE AS CROSS SECTION. SEE CROSS SECTION LOCATION MAP (FIGURE 2-3).
4. DEPTH TO WATER UTILITIES WERE UNAVAILABLE. DEPTHS ARE ESTIMATED.
5. SOURCE SUBSURFACE UTILITIES: CITY OF ITHACA, DEPARTMENT OF PUBLIC WORKS, WATER AND SEWER DIVISION, SEWER MAP 117.

30 0 60

1"=60'

VERTICAL EXAGGERATION = 12X

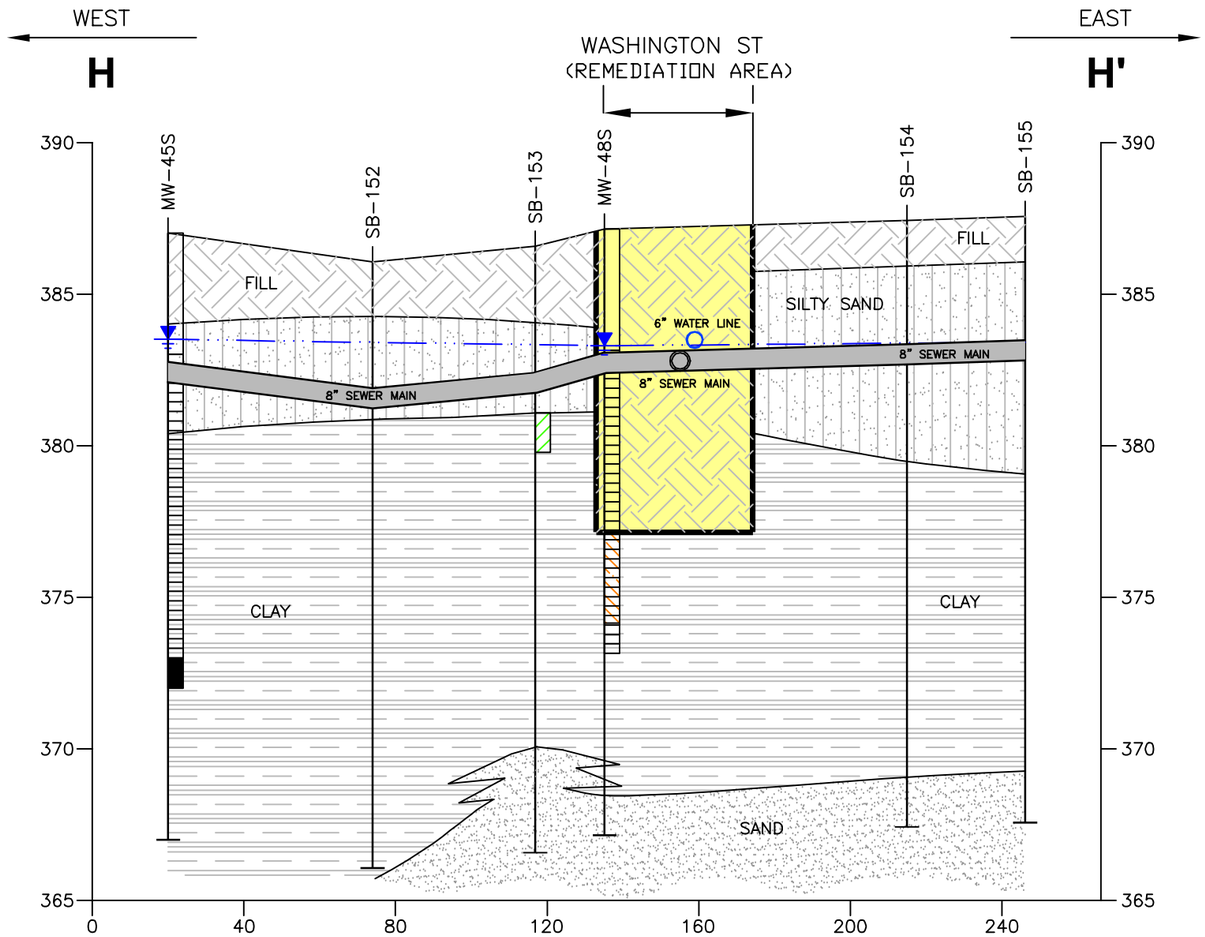
AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

CROSS SECTION G-G'

DATE: 04/29/10 | DRWN: DLS/PGH | **FIGURE 4-9**

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 4-9_CROSS SECTION G-G.dwg Layout: ANSI_B(-LJ User: PetroskykK Plotted: Jul 30, 2010 - 10:52am Xref's:



OBSERVED HYDROCARBON IMPACTS

- HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
- COAL TAR ODORS
- COAL TAR PRESENT OR COAL TAR SATURATED
- IMPACTS OBSERVED WITHIN THIN SAND LENSES OR ROOT CHANNELS

LEGEND

- FILL
- CLAY
- PEAT
- SILTY SAND
- SAND
- GRAVEL
- OBSERVED CONTACT
- INFERRED CONTACT
- APPROXIMATE GROUNDWATER ELEVATION (2010)

WELL CONSTRUCTION

- SCREENED INTERVAL
- RISER
- SUMP

NOTES:
1. THE DESCRIPTIONS AND COLORED PORTIONS OF THE FIGURE ARE GENERAL IN NATURE AND ARE BASED ON A LIMITED NUMBER OF SAMPLES. REFER TO THE BORING LOGS AND THE RESULTS OF THE CHEMICAL ANALYSES FOR SPECIFIC INFORMATION REGARDING THE SUBSURFACE GEOLOGICAL UNITS AND THE DISTRIBUTION OF ANALYTICAL COMPOUNDS.
2. SECTION IS POINT TO POINT.
3. UTILITIES ARE NOT ORIENTED ON SAME LINE AS CROSS SECTION. SEE CROSS SECTION LOCATION MAP (FIGURE 2-3).
4. DEPTH TO WATER UTILITIES WERE UNAVAILABLE. DEPTHS ARE ESTIMATED.
5. SOURCE SUBSURFACE UTILITIES: CITY OF ITHACA, DEPARTMENT OF PUBLIC WORKS, WATER AND SEWER DIVISION, SEWER MAP 87.

20 0 40

1"=40'

VERTICAL EXAGGERATION = 8X

AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

CROSS SECTION H-H'

DATE: 04/29/10 | DRWN: DLS / PGH | **FIGURE 4-10**

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 4-10_CROSS SECTION H-H'.dwg Layout: ANSI_B1-LJ User: PetroskykK Plotted: Jul 30, 2010 - 10:50am Xref's:

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\Figure 4-11 Top of Clay.dwg Layout: ANSI_D1 User: PetroskyK Plotted: Jul 27, 2010 - 10:44am Xref's:

AREA 1

AREA 2

AREA 3

CAYUGA INLET SITE

CASCADILLA STREET

ESTY STREET

WEST COURT STREET

WEST BUFALO STREET

NORTH MEADOW STREET

SOUTH MEADOW STREET

NORTH FULTON STREET

NORTH PLAIN STREET

NORTH ALBANY STREET

PARK PLACE

WASHINGTON STREET

FIFTH STREET

FOURTH STREET

MADISON STREET

CAYUGA INLET

WOODEN DUCT (REMOVED)

WOODEN DUCT

IMMACULATECONCEPTION
320 W. BUFFALO STREET

LEGEND

- MW-20D MONITORING WELL
- SB-80 SOIL BORING
- HP-12 HYDRO PUNCH
- SS-1 SURFACE SOIL SAMPLE PER IT CORPORATION (APPROXIMATE LOCATIONS)
- RW-1 RECOVERY WELL
- TP-9 TEST PIT - SHAPES & SIZES VARIED
- REMEDIATION AREAS FROM DUCT REMOVAL ACTIVITIES (2003 - 2005)
- 376 TOP OF CLAY CONTOUR (NAVD88) (2 FOOT INTERVAL)
- 385.50 TOP OF CLAY ELEVATION

390
388
386
384
382
380
378
376

SOURCE:
UTILITY LINES, CATCH BASIN, AND HYDRANT LOCATIONS PROVIDED BY CITY OF ITHACA, WATER AND SEWER DIVISION, 2008.
LOCATION INFORMATION PROVIDED LIMITED TO AREAS OF INTEREST.

N

90 0 180

NOTES:

1. HORIZONTAL SURVEY CONTROL WAS ESTABLISHED USING SURVEY GRADE RTK GPS AND IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). THE PRIMARY MONUMENT USED IN SETTING SITE CONTROL WAS T1011 OF THE TOMPKINS COUNTY GPS GEODETIC CONTROL SURVEY DATED JULY 1992 BY MICHAEL BAKER JR., INC., BEAVER, PA. THIS WAS CHECKED INTO T1002.
2. THE SITE VERTICAL DATUM IS REFERENCED TO NGS FIRST ORDER, CLASS II, NAVD 88 BENCHMARKS, V463 AND Y463 AND WAS SET BY MULTIPLE RTK GPS OBSERVATIONS.
3. BASE MAPPING WAS PRODUCED BY DIGITIZING AERIAL PHOTOS DATED APRIL 1992 BY MICHAEL BAKER JR., INC, BEAVER, PA., AND HAS BEEN UPDATED USING AERIAL PHOTOS DATED APRIL 1999.
4. SAMPLING LOCATIONS FROM PREVIOUS STUDIES ARE APPROXIMATE AND ARE SHOWN BASED ON FIGURE 4 IN THE TASK 3 REPORT PREPARED BY E.C.JORDAN CO., DATED MARCH 1988.
5. SURFACE SOIL SAMPLES, SS-1 - SS-10 WERE LOCATED BY THE IT CORPORATION AND HAVE BEEN TRANSFERRED DIRECTLY ONTO THIS SITE DRAWING FROM IT CORP GRAPHICS. SS-8 AND SS-9 ARE OUTSIDE THE LIMITS OF THIS DRAWING. SS-11 - SS-15 ARE SHOWN AT LOCATIONS SURVEYED ON 6/27/02.
6. COORDINATE VALUES FOR MONITORING WELLS, SOIL BORINGS, AND HYDRO PUNCH LOCATIONS WERE LOCATED BY NYSEG USING A COMBINATION OF RTK GPS AND CONVENTIONAL SURVEYING. MONITORING WELL ELEVATIONS WERE ESTABLISHED USING DIFFERENTIAL LEVELING.

AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

TOP OF SILTY CLAY CONTOUR MAP

DATE: 04/29/10 | DRWN: KLP

FIGURE 4-11

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 4-12_SHALLOW GROUNDWATER.dwg Layout: FIGURE 1 User: PetroskykK Plotted: Jul 30, 2010 - 10:39am Xref's:

CASCADILLA STREET
FIFTH STREET
MADISON STREET
NORTH STREET
MEADOW STREET
PARK PLACE
NORTH PLAIN STREET
ESTY STREET
WEST COURT STREET
NORTH MEADOW STREET
WASHINGTON STREET
PARKING
PAVED PARKING
UNPAVED PARKING
PAVED
PAVED AREA
B BALL
PLAYGROUND
STAIRS
POOL
WOODEN DUCT
WOODEN DUCT (REMOVED)
WALL
OU-1
MW-29S 382.02
MW-30S 383.42
MW-23S 381.69
MW-23D
MW-31S 381.42
MW-36 381.14
MW-47S 383.14
MW-40 383.38
MW-48S 383.00
MW-45S 383.20
MW-22S 384.05
MW-32S 383.11
MW-22D
MW-36 383.72
MW-46S 383.55
MW-27 384.65
MW-33S 384.65
MW-26S
MW-34S
MW-39 384.50
MW-17S (380.15)
MW-35S 386.48
MW-17D
MW-21S 385.48
MW-21D
MW-14S 386.75
MW-14D
RW-2
MW-25S 385.97
MW-43S 386.08
MW-20S 385.36
MW-20D
MW-44S (387.01)
RW-3
MW-42S 386.18
MW-24D
MW-24S 386.75
MW-27 (389.03)
MW-41S 386.68
MW-11D
MW-11S 386.50
MW-12S 389.25
RW-1
MW-13S
MW-28S
384
385
386
387
388
382
383

LEGEND
- MW-20D — MONITORING WELL
- REMEDIATION AREAS FROM DUCT REMOVAL ACTIVITIES (2003 – 2005)
- —382— GROUNDWATER CONTOUR (0.5 FOOT INTERVAL)
- 386.50 — GROUNDWATER ELEVATION
- (386.15) — ELEVATION NOT USED TO CONTOUR
- GROUNDWATER FLOW DIRECTION

30 0 60
1"=60'

70 0 140
1"=140'

N


AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

DATE: 07/23/10 | DRWN: KLP

SHALLOW GROUNDWATER MARCH 2010

FIGURE 4-12



NYSEG
ITHACA/COURT STREET SITE
Ithaca, New York

HORIZONTAL EXTENT OF GRAVEL UNIT

Figure 5-1

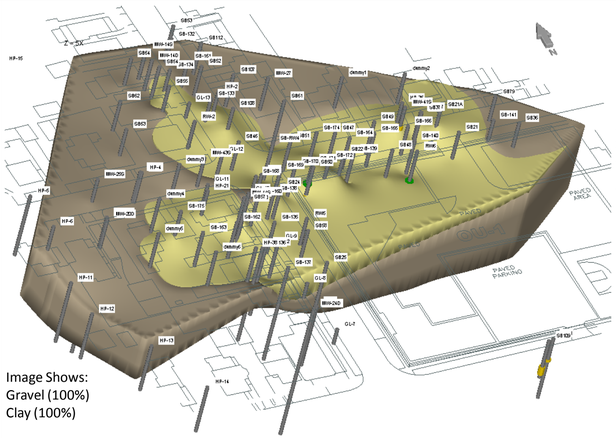


Image Shows:
Gravel (100%)
Clay (100%)

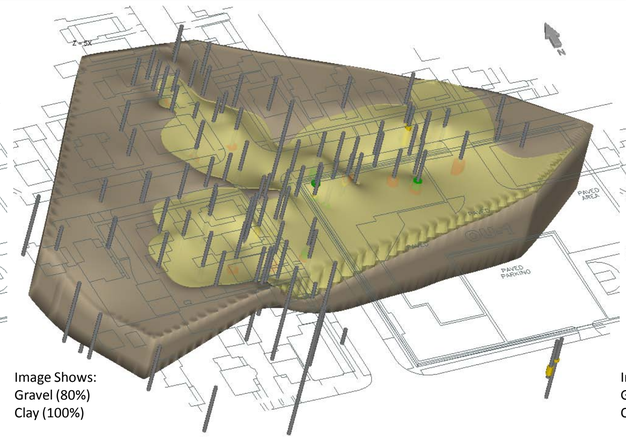


Image Shows:
Gravel (80%)
Clay (100%)

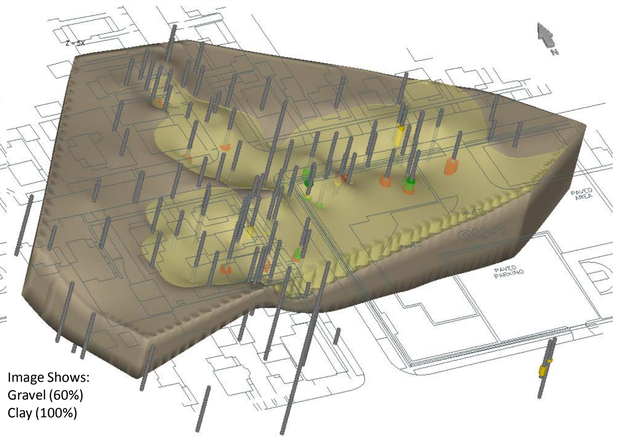


Image Shows:
Gravel (60%)
Clay (100%)

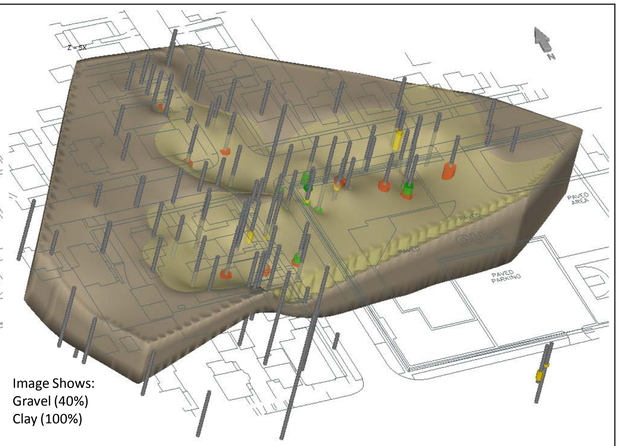


Image Shows:
Gravel (40%)
Clay (100%)

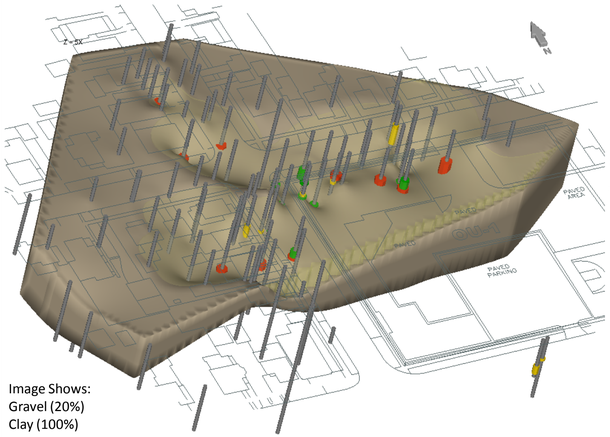


Image Shows:
Gravel (20%)
Clay (100%)

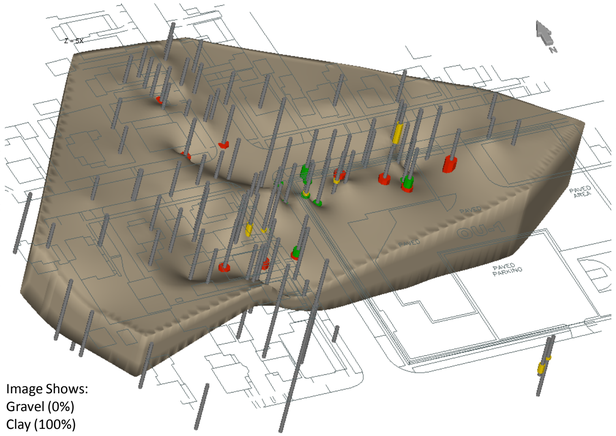


Image Shows:
Gravel (0%)
Clay (100%)

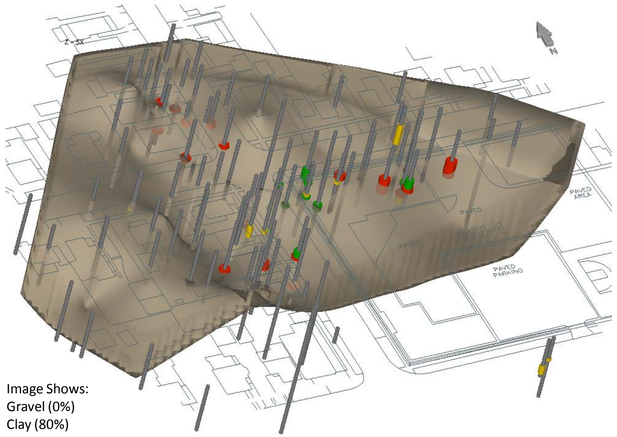


Image Shows:
Gravel (0%)
Clay (80%)

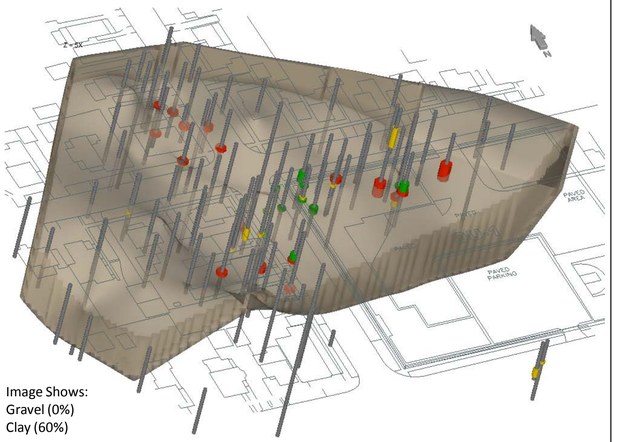


Image Shows:
Gravel (0%)
Clay (60%)

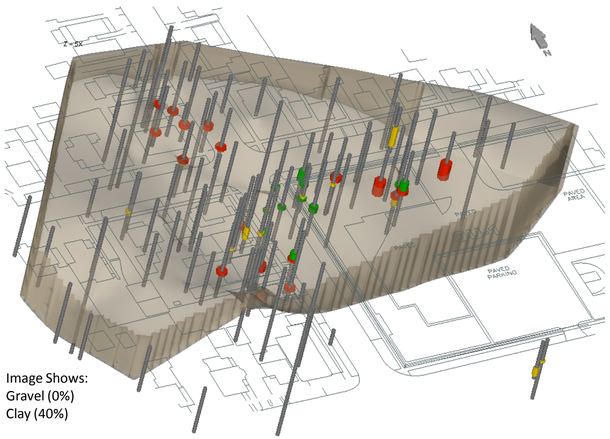


Image Shows:
Gravel (0%)
Clay (40%)

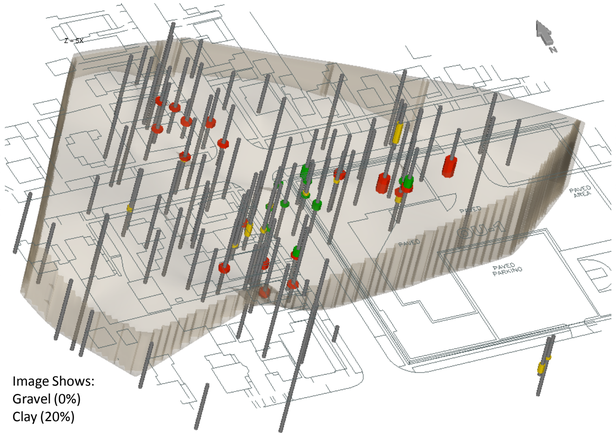


Image Shows:
Gravel (0%)
Clay (20%)

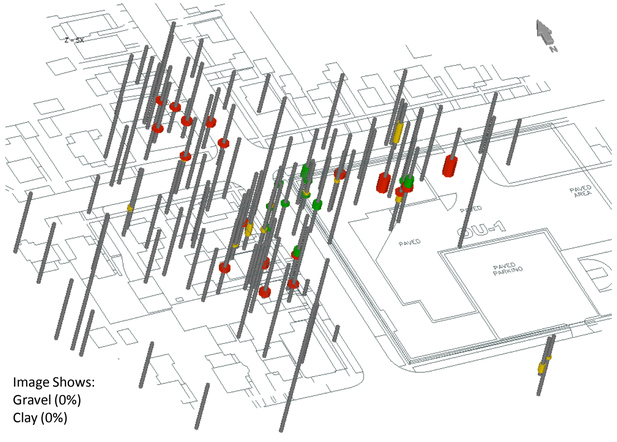


Image Shows:
Gravel (0%)
Clay (0%)

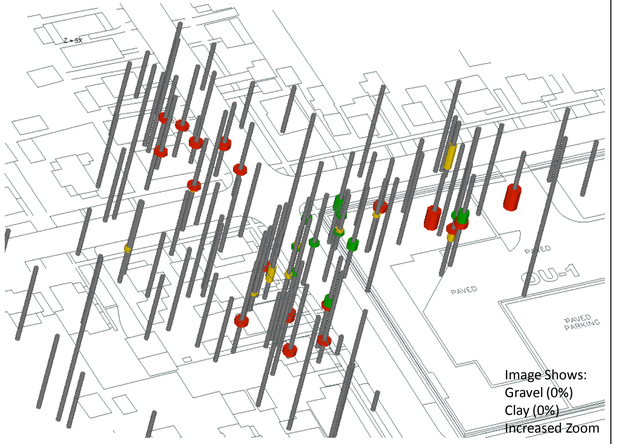


Image Shows:
Gravel (0%)
Clay (0%)
Increased Zoom

Legend

Material Type
- Fill
- Silty Sand
- Gravel
- Clay
- Sand

Impact
- Severe
- Moderate
- Mild

Notes:
Severe – Coal tar present or coal tar stringers, layers or saturated soil.
Moderate – Heavy coal tar stain, sheen or coal tar blebs.
Mild – Strong hydrocarbon-like odor, light stain or sheen.

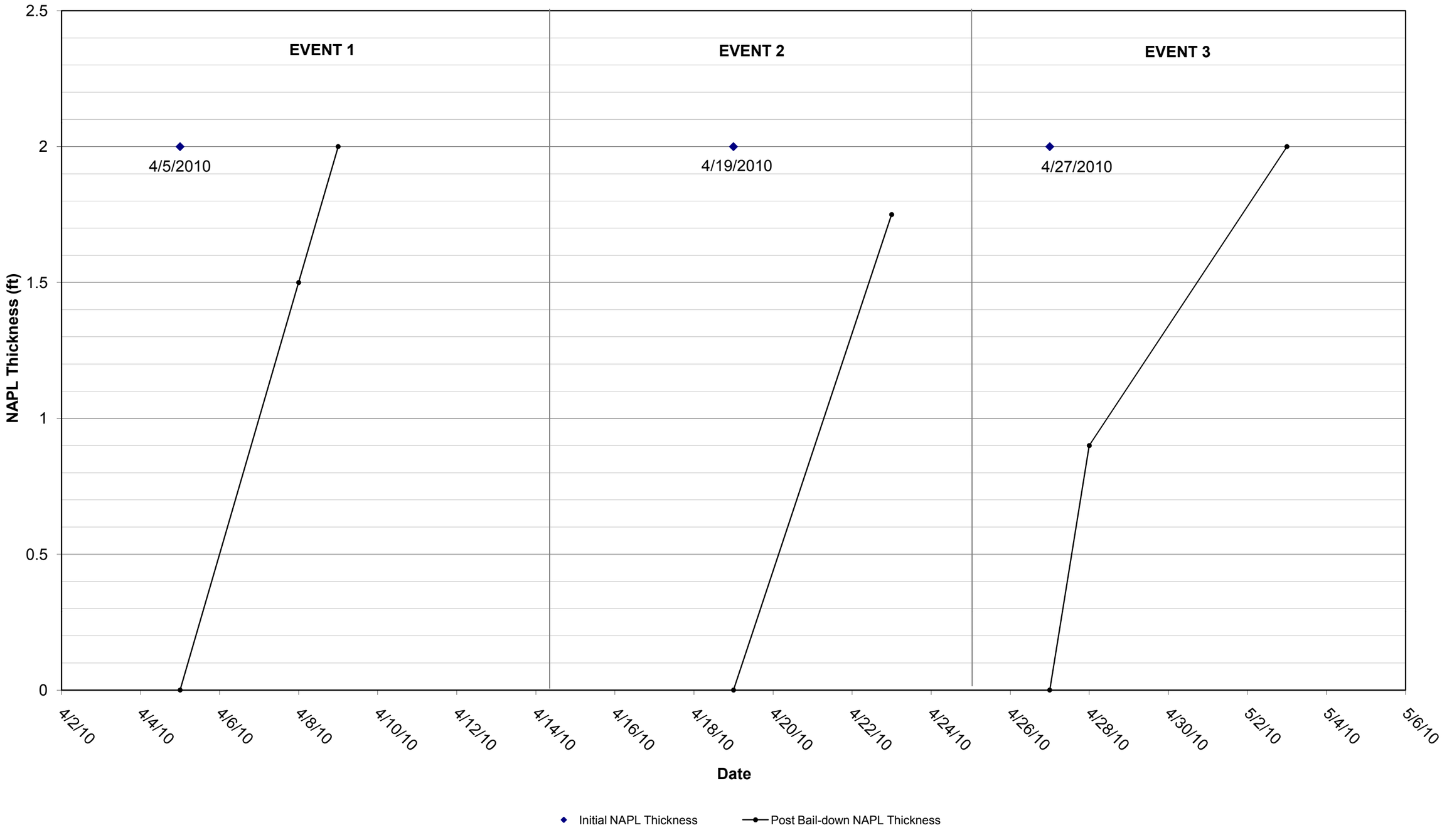
AECOM

NYSEG
ITHACA/COURT STREET SITE
Ithaca, New York

EXTENT OF VISUAL IMPACTS – AREA 1

Figure 5-2

Figure 5-3
Ithaca Court Street OU2
NAPL Bail-down Summary
RW5



LEGEND

- MW-20D — MONITORING WELL
- SB80 — SOIL BORING
- HP-12 — HYDRO PUNCH
- SS-1 — SURFACE SOIL SAMPLE PER IT CORPORATION (APPROXIMATE LOCATIONS)
- RW-1 — RECOVERY WELL
- TEST PIT
- CONFIRMATION SAMPLE
- 106(?) — CONFIRMATION SAMPLE ID(DEPTH)
- REMEDIATION AREAS FROM DUCT REMOVAL ACTIVITIES (2003 – 2005)
- HISTORIC FEATURE
- STRONG HYDROCARBON–LIKE ODOR, LIGHT STAIN OR SHEEN
- HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
- COAL TAR PRESENT OR COAL TAR STRINGERS, LAYERS, OR SATURATED SOIL
- NA — NOT ANALYZED

NOTES:

1. HORIZONTAL SURVEY CONTROL WAS ESTABLISHED USING SURVEY GRADE RTK GPS AND IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). THE PRIMARY MONUMENT USED IN SETTING SITE CONTROL WAS T1011 OF THE TOMPKINS COUNTY GPS GEODETIC CONTROL SURVEY DATED JULY 1992 BY MICHAEL BAKER JR., INC., BEAVER, PA. THIS WAS CHECKED INTO T1002.
2. THE SITE VERTICAL DATUM IS REFERENCED TO NGS FIRST ORDER, CLASS II, NAVD 88 BENCHMARKS, V463 AND Y463 AND WAS SET BY MULTIPLE RTK GPS OBSERVATIONS.
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4. SAMPLING LOCATIONS FROM PREVIOUS STUDIES ARE APPROXIMATE AND ARE SHOWN BASED ON FIGURE 4 IN THE TASK 3 REPORT PREPARED BY E.C.JORDAN CO., DATED MARCH 1988.
5. SURFACE SOIL SAMPLES, SS–1 – SS–10 WERE LOCATED BY THE IT CORPORATION AND HAVE BEEN TRANSFERRED DIRECTLY ONTO THIS SITE DRAWING FROM IT CORP GRAPHICS. SS–8 AND SS–9 ARE OUTSIDE THE LIMITS OF THIS DRAWING. SS–11 – SS–15 ARE SHOWN AT LOCATIONS SURVEYED ON 6/27/02.
6. COORDINATE VALUES FOR MONITORING WELLS, SOIL BORINGS, AND HYDRO PUNCH LOCATIONS WERE LOCATED BY NYSEG USING A COMBINATION OF RTK GPS AND CONVENTIONAL SURVEYING. MONITORING WELL ELEVATIONS WERE ESTABLISHED USING DIFFERENTIAL LEVELING.

Sample Designation	SB134(8-10)	SB134(10-12)
Total BTEX (mg/Kg)	ND	ND
Total PAHs (mg/Kg)	182.05	ND

Sample Designation	SB132(6-8)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

Sample Designation	MW43S (6.5-7.5)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

Sample Designation	SB160(10-11)	SB160(11-13)
Total BTEX (mg/Kg)	0.0029	ND
Total PAHs (mg/Kg)	0.197	ND

Sample Designation	MW44S (10-11)
Total BTEX (mg/Kg)	0.011
Total PAHs (mg/Kg)	1.02

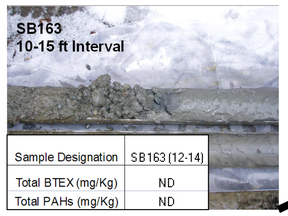
Sample Designation	SB 175 (11-12.5)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	0.027

SB162
13-13.5 ft Interval



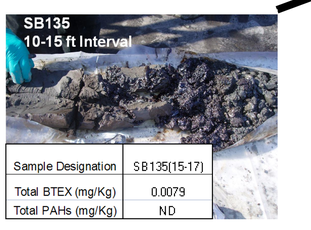
Sample Designation	SB162 (13-13.5)	SB162 (19-20)
Total BTEX (mg/Kg)	843	ND
Total PAHs (mg/Kg)	19338	0.102

SB163
10-15 ft Interval



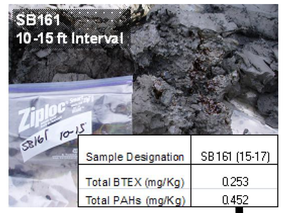
Sample Designation	SB163 (12-14)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

SB135
10-15 ft Interval



Sample Designation	SB135(15-17)
Total BTEX (mg/Kg)	0.0079
Total PAHs (mg/Kg)	ND

SB161
10-15 ft Interval



Sample Designation	SB161 (15-17)
Total BTEX (mg/Kg)	0.253
Total PAHs (mg/Kg)	0.452

Sample Designation	SB133 (12.5-13.5)
Total BTEX (mg/Kg)	0.0041
Total PAHs (mg/Kg)	0.61

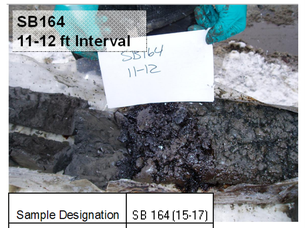
Sample Designation	RW4 (12-15.5)	RW4 (18-20)
Total BTEX (mg/Kg)	0.323	0.0508
Total PAHs (mg/Kg)	2.024	0.13

SB174
12-12.5 ft Interval



Sample Designation	SB 174 (15-17)
Total BTEX (mg/Kg)	0.003
Total PAHs (mg/Kg)	0.229

SB164
11-12 ft Interval



Sample Designation	SB 164 (15-17)
Total BTEX (mg/Kg)	0.05
Total PAHs (mg/Kg)	0.6016

Sample Designation	SB 165 (8-10)
Total BTEX (mg/Kg)	0.0128
Total PAHs (mg/Kg)	1.074

Sample Designation	SB 167 (16-17.5)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	0.058

Sample Designation	SB 166 (10-12)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	0.635

Sample Designation	SB140(12.5-15)	SB140(18-20)
Total BTEX (mg/Kg)	10.687	0.0026
Total PAHs (mg/Kg)	14.625	ND

Sample Designation	SB141(21-23)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

Sample Designation	RW6 (13-15)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

Sample Designation	SB139(10-12.5)	SB139(15-17.5)
Total BTEX (mg/Kg)	0.245	ND
Total PAHs (mg/Kg)	1.3	ND

SB171
10-15 ft Interval



Sample Designation	SB 171 (10-12.5)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	0.06

Sample Designation	SB 169 (13-15)	SB 169 (19-20)
Total BTEX (mg/Kg)	0.2345	ND
Total PAHs (mg/Kg)	1.747	ND

Sample Designation	SB168 (15-17)
Total BTEX (mg/Kg)	0.0335
Total PAHs (mg/Kg)	0.136

Sample Designation	SB138(15-16)	SB138(22.5-25)
Total BTEX (mg/Kg)	ND	0.11
Total PAHs (mg/Kg)	ND	1.176

Sample Designation	RW5 (15-17)
Total BTEX (mg/Kg)	0.113
Total PAHs (mg/Kg)	0.422

Sample Designation	SB136(12.5-15)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

Sample Designation	SB137(12.5-15)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

OU-1

40 0 80

N

AECOM

NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

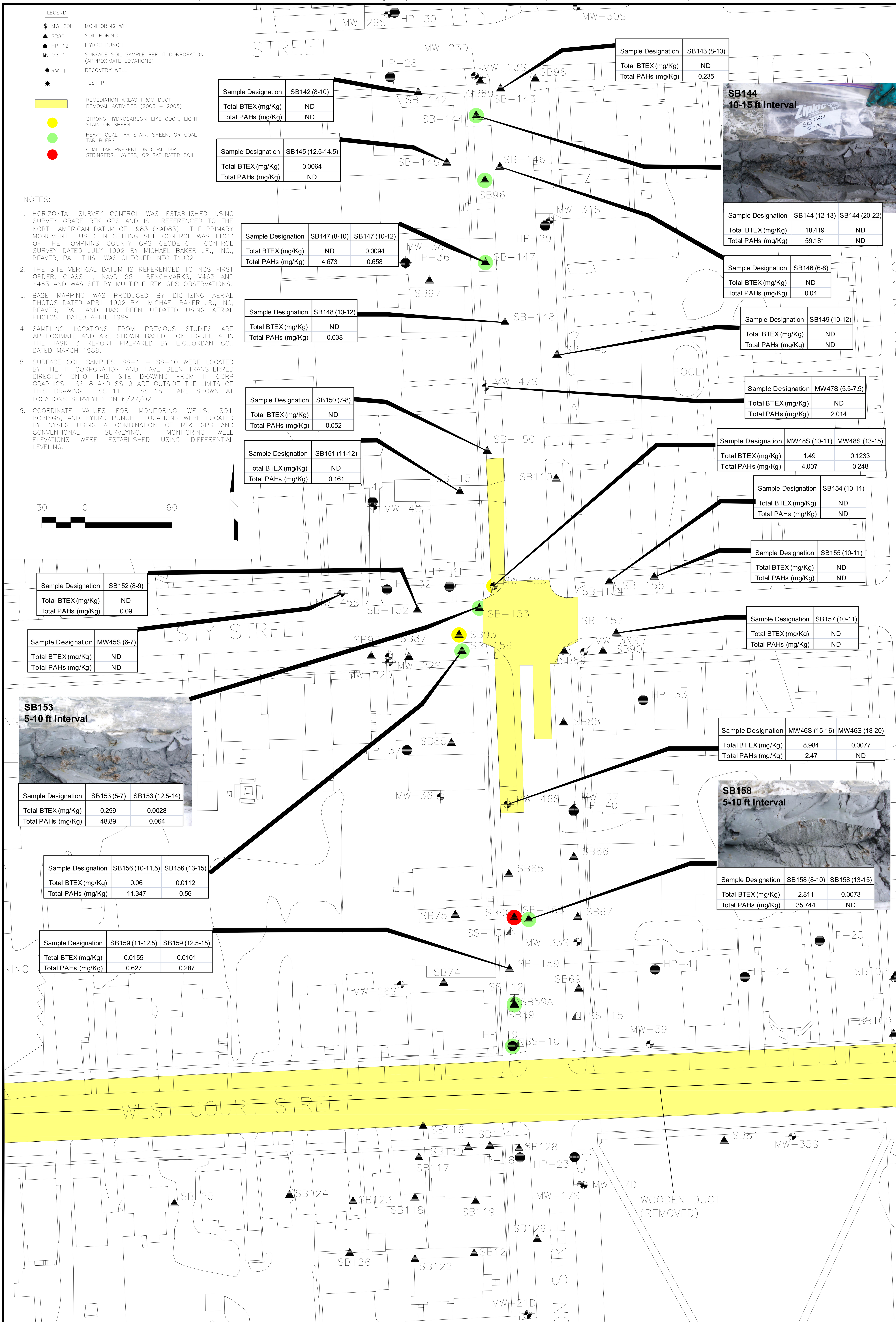
DATE: 07/29/10 | DRWN: KLP

AREA 1
SUBSURFACE SOIL SAMPLE RESULTS

FIGURE 6-1

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 6-1_Soil Results AREA 1.dwg Layout: FIGURE 1 User: PetroskyK Plotted: Jul 30, 2010 – 2:30pm Xref's:

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 6-2_Soil Results AREA 2.dwg Layout: ANSI_BVI-CP User: PetroskyK Plotted: Jul 30, 2010 - 2:17pm Xref's:



Sample Designation	SB142 (8-10)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

Sample Designation	SB143 (8-10)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	0.235

Sample Designation	SB145 (12.5-14.5)
Total BTEX (mg/Kg)	0.0064
Total PAHs (mg/Kg)	ND

Sample Designation	SB144 (12-13)	SB144 (20-22)
Total BTEX (mg/Kg)	18.419	ND
Total PAHs (mg/Kg)	59.181	ND

Sample Designation	SB147 (8-10)	SB147 (10-12)
Total BTEX (mg/Kg)	ND	0.0094
Total PAHs (mg/Kg)	4.673	0.658

Sample Designation	SB146 (6-8)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	0.04

Sample Designation	SB148 (10-12)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	0.038

Sample Designation	SB149 (10-12)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

Sample Designation	MW47S (5.5-7.5)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	2.014

Sample Designation	SB150 (7-8)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	0.052

Sample Designation	MW48S (10-11)	MW48S (13-15)
Total BTEX (mg/Kg)	1.49	0.1233
Total PAHs (mg/Kg)	4.007	0.248

Sample Designation	SB151 (11-12)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	0.161

Sample Designation	SB154 (10-11)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

Sample Designation	SB155 (10-11)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

Sample Designation	SB152 (8-9)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	0.09

Sample Designation	SB157 (10-11)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

Sample Designation	MW45S (6-7)
Total BTEX (mg/Kg)	ND
Total PAHs (mg/Kg)	ND

Sample Designation	MW46S (15-16)	MW46S (18-20)
Total BTEX (mg/Kg)	8.984	0.0077
Total PAHs (mg/Kg)	2.47	ND

Sample Designation	SB153 (5-7)	SB153 (12.5-14)
Total BTEX (mg/Kg)	0.299	0.0028
Total PAHs (mg/Kg)	48.89	0.064

Sample Designation	SB156 (10-11.5)	SB156 (13-15)
Total BTEX (mg/Kg)	0.06	0.0112
Total PAHs (mg/Kg)	11.347	0.56

Sample Designation	SB158 (8-10)	SB158 (13-15)
Total BTEX (mg/Kg)	2.811	0.0073
Total PAHs (mg/Kg)	35.744	ND

Sample Designation	SB159 (11-12.5)	SB159 (12.5-15)
Total BTEX (mg/Kg)	0.0155	0.0101
Total PAHs (mg/Kg)	0.627	0.287

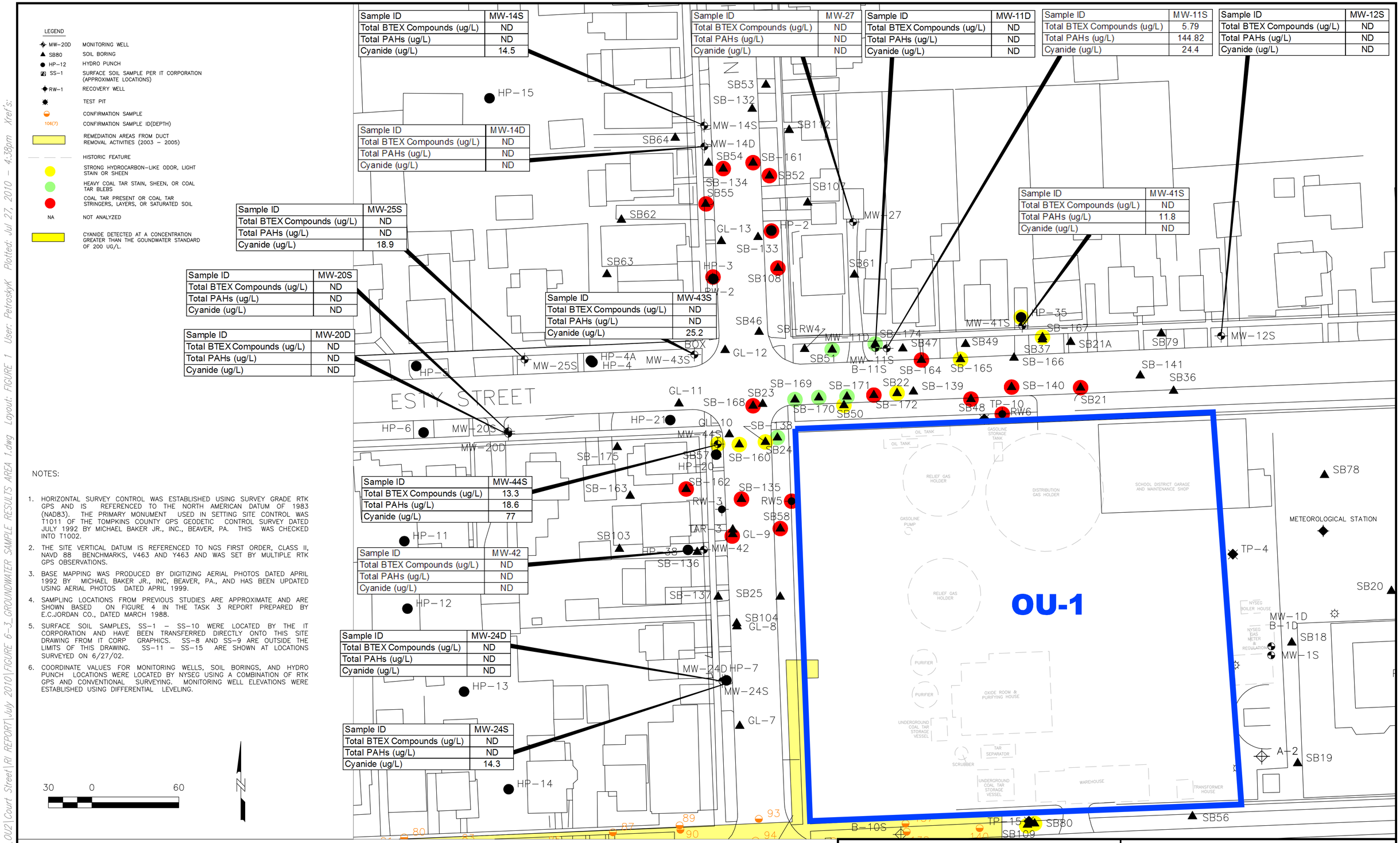
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ITHACA/COURT STREET SITE
ITHACA, NEW YORK

DATE: 07/29/10 DRWN: KLP

AREA 2
SUBSURFACE SOIL SAMPLE RESULTS

FIGURE 6-2



NOTES:

1. HORIZONTAL SURVEY CONTROL WAS ESTABLISHED USING SURVEY GRADE RTK GPS AND IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). THE PRIMARY MONUMENT USED IN SETTING SITE CONTROL WAS T1011 OF THE TOMPKINS COUNTY GPS GEODETIC CONTROL SURVEY DATED JULY 1992 BY MICHAEL BAKER JR., INC., BEAVER, PA. THIS WAS CHECKED INTO T1002.
2. THE SITE VERTICAL DATUM IS REFERENCED TO NGS FIRST ORDER, CLASS II, NAVD 88 BENCHMARKS, V463 AND Y463 AND WAS SET BY MULTIPLE RTK GPS OBSERVATIONS.
3. BASE MAPPING WAS PRODUCED BY DIGITIZING AERIAL PHOTOS DATED APRIL 1992 BY MICHAEL BAKER JR., INC, BEAVER, PA., AND HAS BEEN UPDATED USING AERIAL PHOTOS DATED APRIL 1999.
4. SAMPLING LOCATIONS FROM PREVIOUS STUDIES ARE APPROXIMATE AND ARE SHOWN BASED ON FIGURE 4 IN THE TASK 3 REPORT PREPARED BY E.C.JORDAN CO., DATED MARCH 1988.
5. SURFACE SOIL SAMPLES, SS–1 – SS–10 WERE LOCATED BY THE IT CORPORATION AND HAVE BEEN TRANSFERRED DIRECTLY ONTO THIS SITE DRAWING FROM IT CORP GRAPHICS. SS–8 AND SS–9 ARE OUTSIDE THE LIMITS OF THIS DRAWING. SS–11 – SS–15 ARE SHOWN AT LOCATIONS SURVEYED ON 6/27/02.
6. COORDINATE VALUES FOR MONITORING WELLS, SOIL BORINGS, AND HYDRO PUNCH LOCATIONS WERE LOCATED BY NYSEG USING A COMBINATION OF RTK GPS AND CONVENTIONAL SURVEYING. MONITORING WELL ELEVATIONS WERE ESTABLISHED USING DIFFERENTIAL LEVELING.

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AREA 1
GROUNDWATER SAMPLE RESULTS

DATE: 07/27/10 | DRWN: KLP | | **FIGURE 6-3**

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\FIGURE 6-3_GROUNDWATER SAMPLE RESULTS AREA 1.dwg Layout: FIGURE 1 User: PetroskyK Plotted: Jul 27, 2010 – 4:38pm Xref's:

LEGEND

MW-20D	MONITORING WELL
SB80	SOIL BORING
HP-12	HYDRO PUNCH
SS-1	SURFACE SOIL SAMPLE PER IT CORPORATION (APPROXIMATE LOCATIONS)
RW-1	RECOVERY WELL
	TEST PIT
	CONFIRMATION SAMPLE
106(7)	CONFIRMATION SAMPLE ID(DEPTH)
	REMEDIATION AREAS FROM DUCT REMOVAL ACTIVITIES (2003 - 2005)
	STRONG HYDROCARBON-LIKE ODOR, LIGHT STAIN OR SHEEN
	HEAVY COAL TAR STAIN, SHEEN, OR COAL TAR BLEBS
	COAL TAR PRESENT OR COAL TAR STRINGERS, LAYERS, OR SATURATED SOIL
NA	NOT ANALYZED
	CYANIDE DETECTED AT A CONCENTRATION GREATER THAN THE GOUNDWATER STANDARD OF 200 UG/L.

NOTES:

1. HORIZONTAL SURVEY CONTROL WAS ESTABLISHED USING SURVEY GRADE RTK GPS AND IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). THE PRIMARY MONUMENT USED IN SETTING SITE CONTROL WAS T1011 OF THE TOMPKINS COUNTY GPS GEODETIC CONTROL SURVEY DATED JULY 1992 BY MICHAEL BAKER JR., INC., BEAVER, PA. THIS WAS CHECKED INTO T1002.
2. THE SITE VERTICAL DATUM IS REFERENCED TO NGS FIRST ORDER, CLASS II, NAVD 88 BENCHMARKS, V463 AND Y463 AND WAS SET BY MULTIPLE RTK GPS OBSERVATIONS.
3. BASE MAPPING WAS PRODUCED BY DIGITIZING AERIAL PHOTOS DATED APRIL 1992 BY MICHAEL BAKER JR., INC, BEAVER, PA., AND HAS BEEN UPDATED USING AERIAL PHOTOS DATED APRIL 1999.
4. SAMPLING LOCATIONS FROM PREVIOUS STUDIES ARE APPROXIMATE AND ARE SHOWN BASED ON FIGURE 4 IN THE TASK 3 REPORT PREPARED BY E.C.JORDAN CO., DATED MARCH 1988.
5. SURFACE SOIL SAMPLES, SS-1 - SS-10 WERE LOCATED BY THE IT CORPORATION AND HAVE BEEN TRANSFERRED DIRECTLY ONTO THIS SITE DRAWING FROM IT CORP GRAPHICS. SS-8 AND SS-9 ARE OUTSIDE THE LIMITS OF THIS DRAWING. SS-11 - SS-15 ARE SHOWN AT LOCATIONS SURVEYED ON 6/27/02.
6. COORDINATE VALUES FOR MONITORING WELLS, SOIL BORINGS, AND HYDRO PUNCH LOCATIONS WERE LOCATED BY NYSEG USING A COMBINATION OF RTK GPS AND CONVENTIONAL SURVEYING. MONITORING WELL ELEVATIONS WERE ESTABLISHED USING DIFFERENTIAL LEVELING.

30 0 60

N

Sample ID	MW-29S
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-30S
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-23D
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-23S
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	6.48
Cyanide (ug/L)	ND

Sample ID	MW-31S
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-38
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-47S
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	3.5
Cyanide (ug/L)	ND

Sample ID	MW-40
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-48S
Total BTEX Compounds (ug/L)	2344
Total PAHs (ug/L)	1484.19
Cyanide (ug/L)	ND

Sample ID	MW-45S
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	16.4

Sample ID	MW-22S
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	384

Sample ID	MW-22D
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-32S
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-37
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-36
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-46S
Total BTEX Compounds (ug/L)	2972
Total PAHs (ug/L)	1736.03
Cyanide (ug/L)	ND

Sample ID	MW-33S
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-39
Total BTEX Compounds (ug/L)	12.17
Total PAHs (ug/L)	78.18
Cyanide (ug/L)	23.4

Sample ID	MW-35S
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-17D
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-21D
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	180

Sample ID	MW-21S
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	ND

Sample ID	MW-17S
Total BTEX Compounds (ug/L)	ND
Total PAHs (ug/L)	ND
Cyanide (ug/L)	13.4

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ITHACA, NEW YORK

AREA 2
GROUNDWATER SAMPLE RESULTS

DATE: 07/26/10 | DRWN: KLP | **FIGURE 6-4**

File: \\Usmyl1fp001\projects\04964_OU2\Court Street\RI REPORT\July 2010\7-1 Summary of Groundwater Results.dwg Layout: FIGURE 1 User: PetroskykK Plotted: Sep 27, 2010 - 2:16pm Xref's:

MW-29S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	NS	ND
Total PAHs	NS	ND	NS	ND
Total CN	NS	NS	NS	ND

MW-31S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	NS	ND
Total PAHs	NS	ND	NS	ND
Total CN	NS	NS	NS	ND

MW-38				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	NS	ND
Total PAHs	NS	ND	NS	ND
Total CN	NS	NS	NS	ND

MW-47S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	NS	NS	ND
Total PAHs	NS	NS	NS	**3.5**
Total CN	NS	NS	NS	ND

MW-40				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	NS	ND
Total PAHs	NS	ND	NS	ND
Total CN	NS	NS	NS	ND

MW-48S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	NS	NS	**2344**
Total PAHs	NS	NS	NS	**1484.19**
Total CN	NS	NS	NS	ND

MW-45S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	NS	NS	ND
Total PAHs	NS	NS	NS	ND
Total CN	NS	NS	NS	**16.4**

MW-22S				
Analyte	2002	2004	2007	2010
Total BTEX	**0.85**	NS	**9.79**	ND
Total PAHs	**2.0**	NS	NS	ND
Total CN	**47**	NS	NS	**384**

MW-22D				
Analyte	2002	2004	2007	2010
Total BTEX	**0.27**	NS	ND	ND
Total PAHs	ND	NS	NS	ND
Total CN	ND	NS	NS	ND

MW-36				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	NS	ND
Total PAHs	NS	ND	NS	ND
Total CN	NS	NS	NS	ND

MW-16S				
Analyte	2002	2004	2007	2010
Total BTEX	**24000**	NS	NS	NS
Total PAHs	**7100**	NS	NS	NS
Total CN	ND	NS	NS	NS

MW-46S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	NS	NS	**2972**
Total PAHs	NS	NS	NS	**1736.03**
Total CN	NS	NS	NS	ND

MW-37				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	NS	ND
Total PAHs	NS	ND	NS	ND
Total CN	NS	NS	NS	ND

MW-33S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	NS	ND
Total PAHs	NS	ND	NS	ND
Total CN	NS	NS	NS	ND

MW-18S				
Analyte	2002	2004	2007	2010
Total BTEX	ND	NS	NS	NS
Total PAHs	ND	NS	NS	NS
Total CN	ND	NS	NS	NS

MW-18D				
Analyte	2002	2004	2007	2010
Total BTEX	ND	NS	NS	NS
Total PAHs	ND	NS	NS	NS
Total CN	ND	NS	NS	NS

MW-19D				
Analyte	2002	2004	2007	2010
Total BTEX	ND	NS	NS	NS
Total PAHs	ND	NS	NS	NS
Total CN	ND	NS	NS	NS

MW-39				
Analyte	2002	2004	2007	2010
Total BTEX	NS	**140**	NS	**12.17**
Total PAHs	NS	**726**	NS	**78.18**
Total CN	NS	NS	NS	**23.4**

MW-17S				
Analyte	2002	2004	2007	2010
Total BTEX	ND	NS	NS	ND
Total PAHs	**0.8**	NS	NS	ND
Total CN	ND	NS	NS	**13.4**

MW-17D				
Analyte	2002	2004	2007	2010
Total BTEX	ND	NS	NS	ND
Total PAHs	**0.8**	NS	NS	ND
Total CN	ND	NS	NS	ND

MW-23D				
Analyte	2002	2004	2007	2010
Total BTEX	ND	NS	NS	ND
Total PAHs	ND	NS	NS	ND
Total CN	ND	NS	NS	ND

MW-23S				
Analyte	2002	2004	2007	2010
Total BTEX	**182.7**	NS	NS	ND
Total PAHs	**231**	NS	NS	**6.48**
Total CN	**11**	NS	NS	ND

MW-30S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	NS	ND
Total PAHs	NS	ND	NS	ND
Total CN	NS	NS	NS	ND

MW-32S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	NS	ND
Total PAHs	NS	ND	NS	ND
Total CN	NS	NS	NS	ND

MW-20S				
Analyte	2002	2004	2007	2010
Total BTEX	ND	NS	ND	ND
Total PAHs	ND	NS	ND	ND
Total CN	ND	NS	NS	ND

MW-20D				
Analyte	2002	2004	2007	2010
Total BTEX	ND	NS	ND	ND
Total PAHs	ND	NS	**2.9**	ND
Total CN	ND	NS	NS	ND

MW-25S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	ND	ND
Total PAHs	NS	ND	ND	ND
Total CN	NS	NS	NS	**18.9**

MW-14S				
Analyte	2002	2004	2007	2010
Total BTEX	ND	ND	ND	ND
Total PAHs	**0.9**	ND	ND	ND
Total CN	ND	NS	NS	**14.5**

MW-14D				
Analyte	2002	2004	2007	2010
Total BTEX	ND	NS	ND	ND
Total PAHs	ND	NS	ND	ND
Total CN	ND	NS	NS	ND

MW-27				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	ND	ND
Total PAHs	NS	ND	ND	ND
Total CN	NS	NS	NS	ND

MW-43S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	NS	NS	ND
Total PAHs	NS	NS	NS	ND
Total CN	NS	NS	NS	**25.2**

MW-11D				
Analyte	2002	2004	2007	2010
Total BTEX	NS	NS	**7.2**	ND
Total PAHs	NS	NS	**189.2**	ND
Total CN	NS	NS	NS	ND

MW-11S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	**20**	**7.7**	**5.79**
Total PAHs	NS	**158**	**160.9**	**144.82**
Total CN	NS	NS	NS	**24.4**

MW-41S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	ND	ND
Total PAHs	NS	**42**	**12.3**	**11.8**
Total CN	NS	NS	NS	ND

MW-12S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	ND	ND
Total PAHs	NS	ND	**14.2**	ND
Total CN	NS	NS	NS	ND

MW-24D				
Analyte	2002	2004	2007	2010
Total BTEX	ND	NS	ND	ND
Total PAHs	ND	NS	ND	ND
Total CN	ND	NS	NS	ND

MW-24S				
Analyte	2002	2004	2007	2010
Total BTEX	**2.21**	NS	ND	ND
Total PAHs	ND	NS	ND	ND
Total CN	ND	NS	NS	**14.3**

MW-5S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	**88**	**93.66**	NS
Total PAHs	NS	**108**	**130.2**	NS
Total CN	NS	NS	NS	NS

MW-5D				
Analyte	2002	2004	2007	2010
Total BTEX	NS	NS	**101.66**	NS
Total PAHs	NS	NS	**159.4**	NS
Total CN	ND	NS	NS	NS

MW-10S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	ND	NS
Total PAHs	NS	ND	**0.2**	NS
Total CN	NS	NS	NS	NS

MW-21D				
Analyte	2002	2004	2007	2010
Total BTEX	ND	NS	ND	ND
Total PAHs	ND	NS	NS	ND
Total CN	ND	NS	NS	**180**

MW-21S				
Analyte	2002	2004	2007	2010
Total BTEX	**0.44**	NS	ND	ND
Total PAHs	ND	NS	NS	ND
Total CN	ND	NS	NS	ND

MW-15S				
Analyte	2002	2004	2007	2010
Total BTEX	**163.5**	NS	NS	NS
Total PAHs	**255**	NS	NS	NS
Total CN	**30**	NS	NS	NS

MW-15D				
Analyte	2002	2004	2007	2010
Total BTEX	**0.46**	NS	NS	NS
Total PAHs	**0.7**	NS	NS	NS
Total CN	ND	NS	NS	NS

MW-34S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	NS	NS
Total PAHs	NS	ND	NS	NS
Total CN	NS	NS	NS	NS

MW-35S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	NS	ND
Total PAHs	NS	ND	NS	ND
Total CN	NS	NS	NS	ND

MW-44S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	NS	NS	**13.3**
Total PAHs	NS	NS	NS	**18.6**
Total CN	NS	NS	NS	**77**

MW-42				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	ND	ND
Total PAHs	NS	ND	ND	ND
Total CN	NS	NS	NS	ND

MW-28S				
Analyte	2002	2004	2007	2010
Total BTEX	NS	ND	ND	NS
Total PAHs	NS	ND	ND	NS
Total CN	NS	NS	NS	NS

MW-13D				
Analyte	2002	2004	2007	2010
Total BTEX	ND	NS	NS	NS
Total PAHs	ND	NS	NS	NS
Total CN	ND	NS	NS	NS

MW-13S				
Analyte	2002	2004	2007	2010
Total BTEX	**0.24**	ND	NS	NS
Total PAHs	ND	ND	NS	NS
Total CN	ND	NS	NS	NS

CASCADILLA STREET
MEADOW STREET
NORTH MEADOW STREET
ESTY STREET
PARK PLACE
NORTH PLAIN STREET
WEST COURT STREET
WASHINGTON STREET
PARKING PAVED PARKING
PAVED PARKING
PAVED PARKING
PAVED PARKING
PAVED PARKING
PAVED PARKING
PAVED PARKING
PAVED AREA
PARKING
PLAYGROUND
PLAYGROUND
PLAYGROUND
PLAYGROUND
PLAYGROUND
B BALL
POOL
POOL
STAIRS
STAIRS
MARKLES FLATS
IMMACULATECONCEPTION 320 W. BUFFALO STREET
MODIFIED DUCT (REMOVED)
DUCT
OU-1
UNPAVED

Legend

- MW-21S — Monitoring Well
- MW-26S — Abandoned Monitoring Well
- Remediation Areas From Duct Removal Activities (2003-2005)
- MW-16S — Monitoring Well Removed
- 382 — Groundwater Contour (March 2010) (0.5 Foot Interval)
- Groundwater Flow Direction
- NS — Not Sampled
- ND — Not Detected

Notes

1) **Bold** values represent detected concentrations in µg/L.

2) Highlight value represents Cyanide detected at a concentration greater than the corresponding groundwater standard of 200 µg/L.

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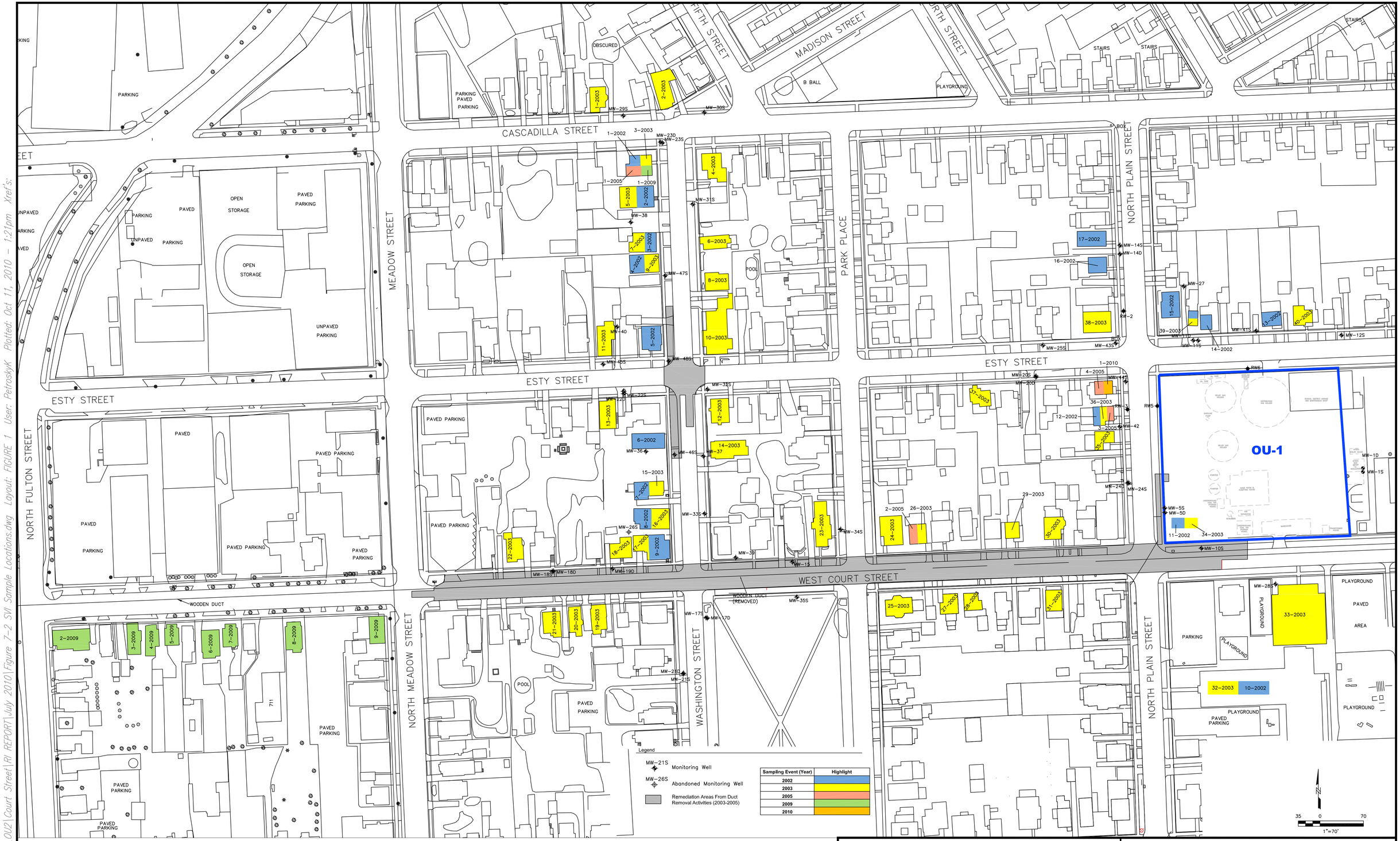
NYSEG - OU2
ITHACA/COURT STREET SITE
ITHACA, NEW YORK

DATE: 09/21/10 | DRWN: KLP

SUMMARY OF GROUNDWATER RESULTS 2002 - 2010

FIGURE 7-1

N
35 0 70
1"=70'



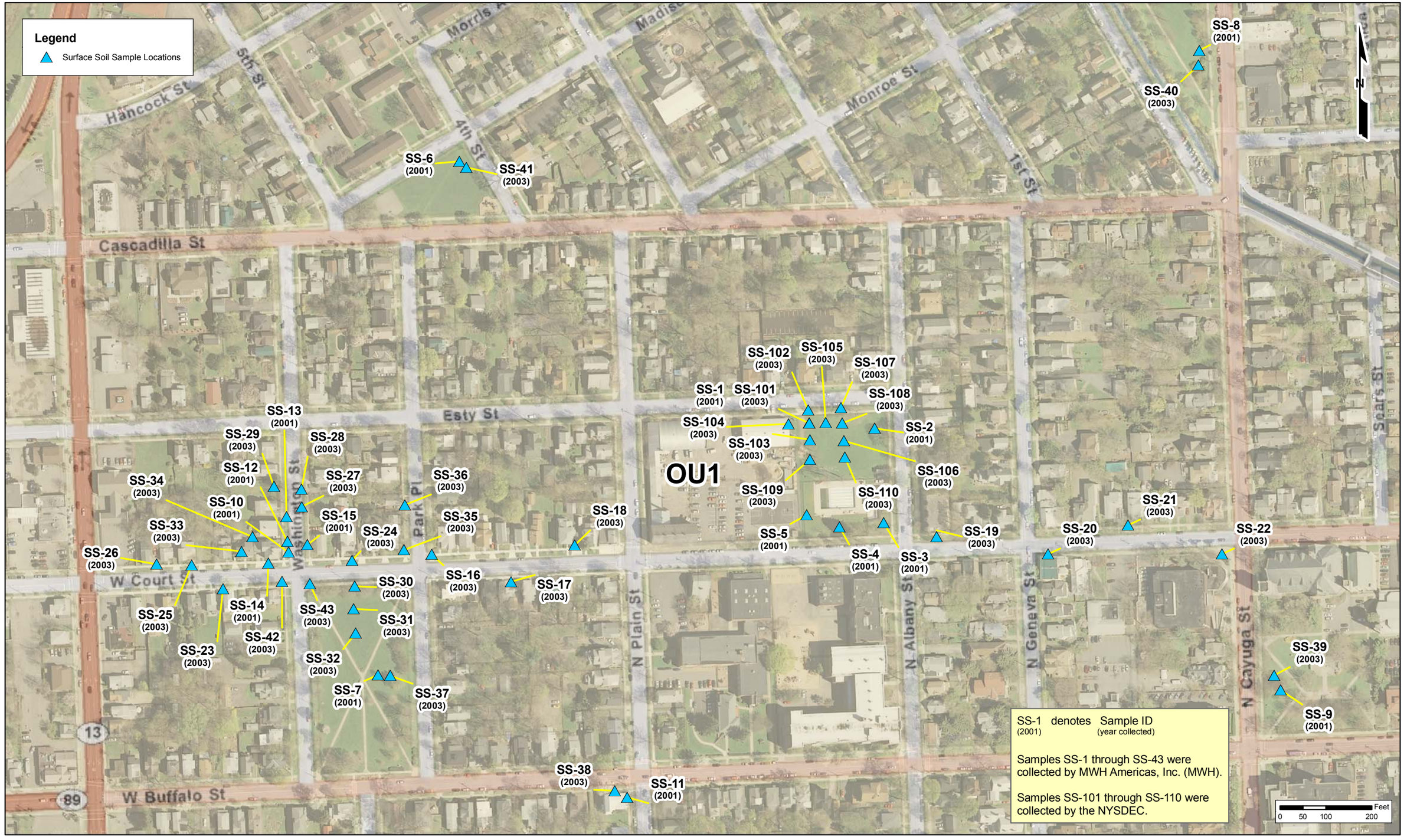
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ITHACA, NEW YORK

SVI SAMPLE LOCATIONS 2002-2010

DATE: 09/21/10 | DRWN: KLP | **FIGURE 7-2**

File: F:\04964_OU2\Court Street\RI REPORT\July 2010\Figure 7-2 SVI Sample Locations.dwg Layout: FIGURE 1 User: PetroskyK Plotted: Oct 11, 2010 - 1:21pm Xref's:



AECOM

T:\NYSEG_Granville\Projects\SurfSoilb.mxd

NYSEG - OU2 Ithaca/Court Street Site NYSEG, Ithaca, NY (60143516)		**Surface Soil Sample Locations**
DATE: 12/14/10	DRWN: HAJ/Ith Revision: 0	**FIGURE 7-3**

Figure 7-4
LMW/HMW versus Total PAHs

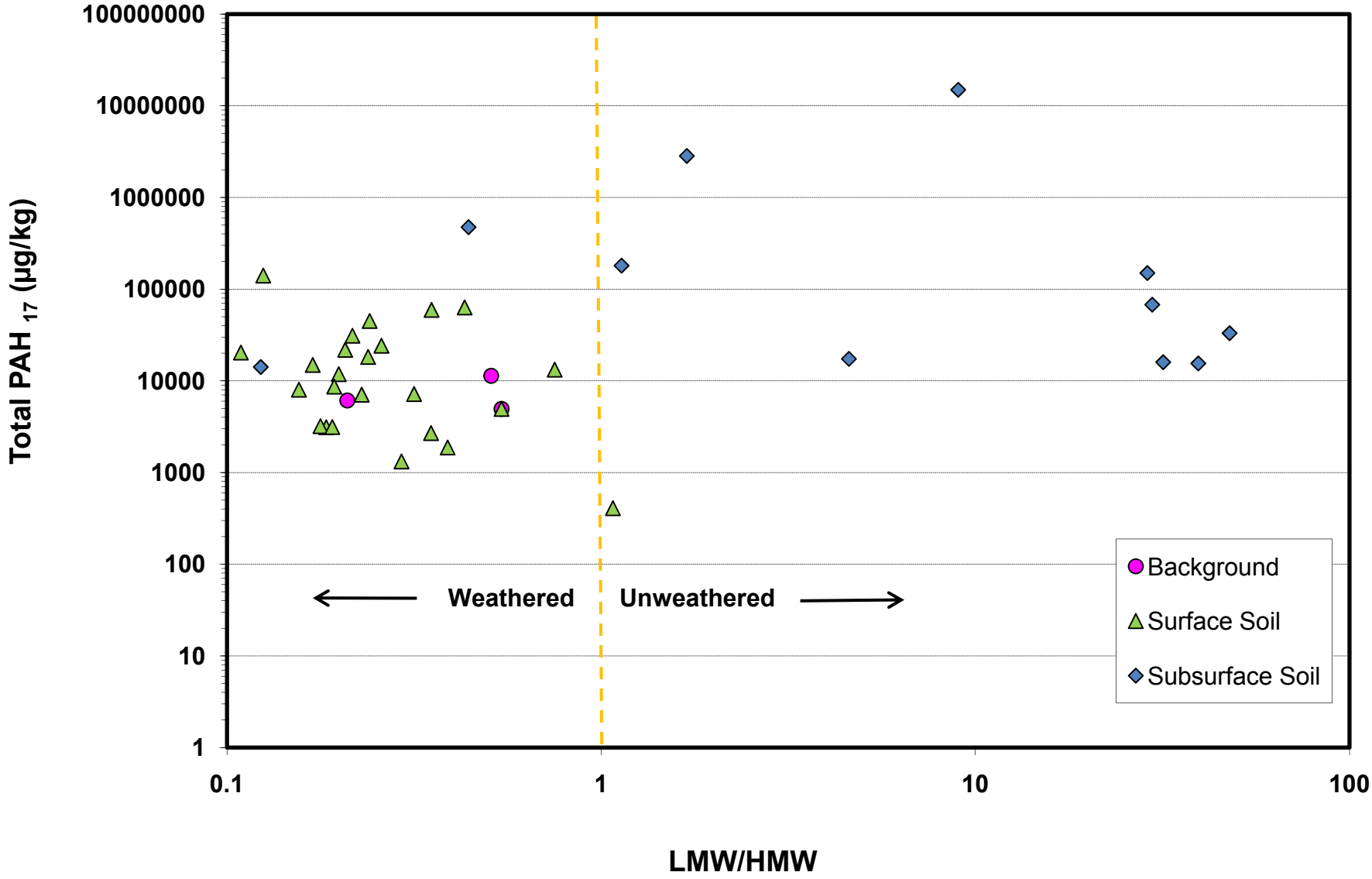


Figure 7-5
Fluoranthene/Pyrene versus Total PAHs

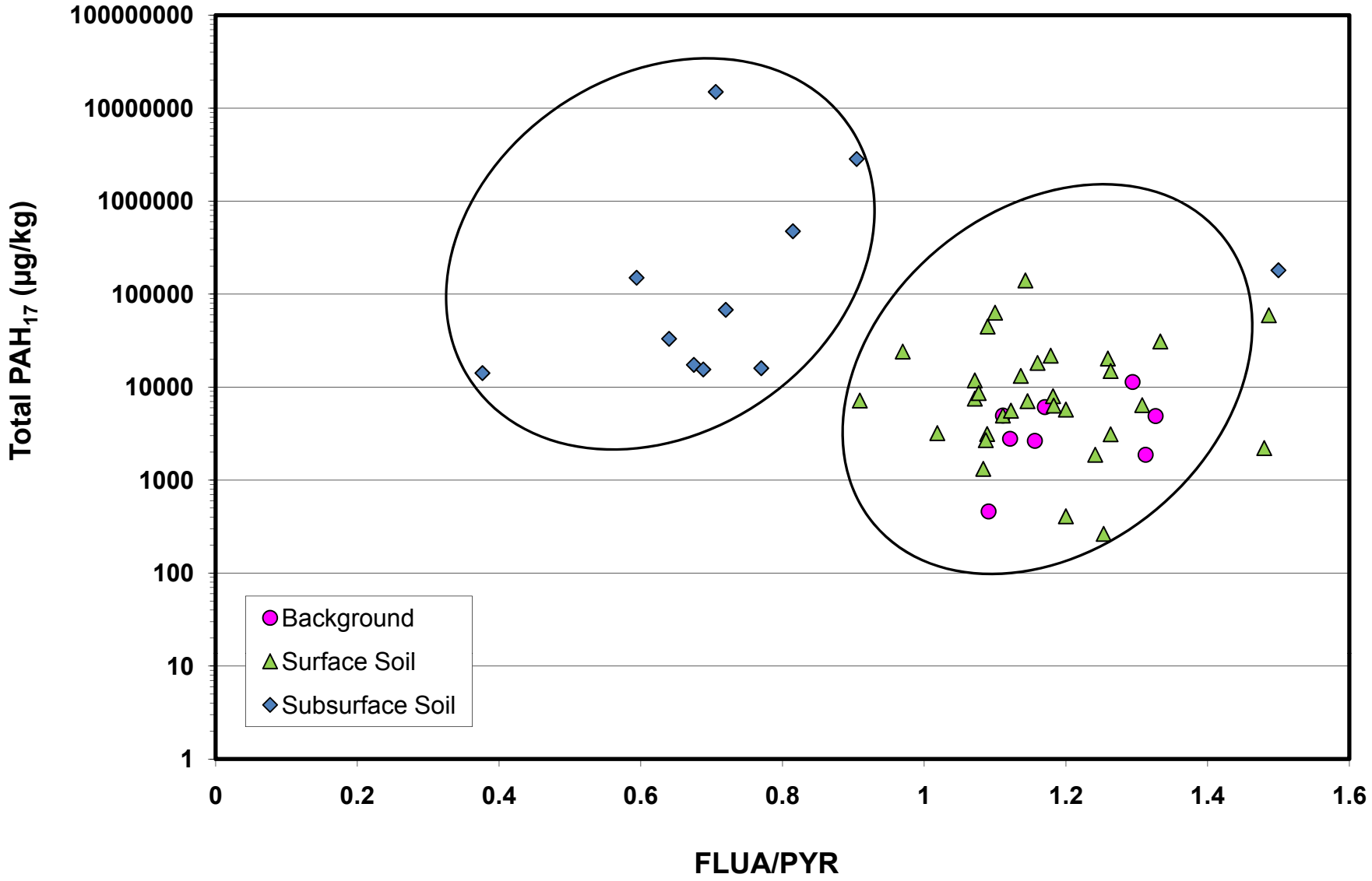
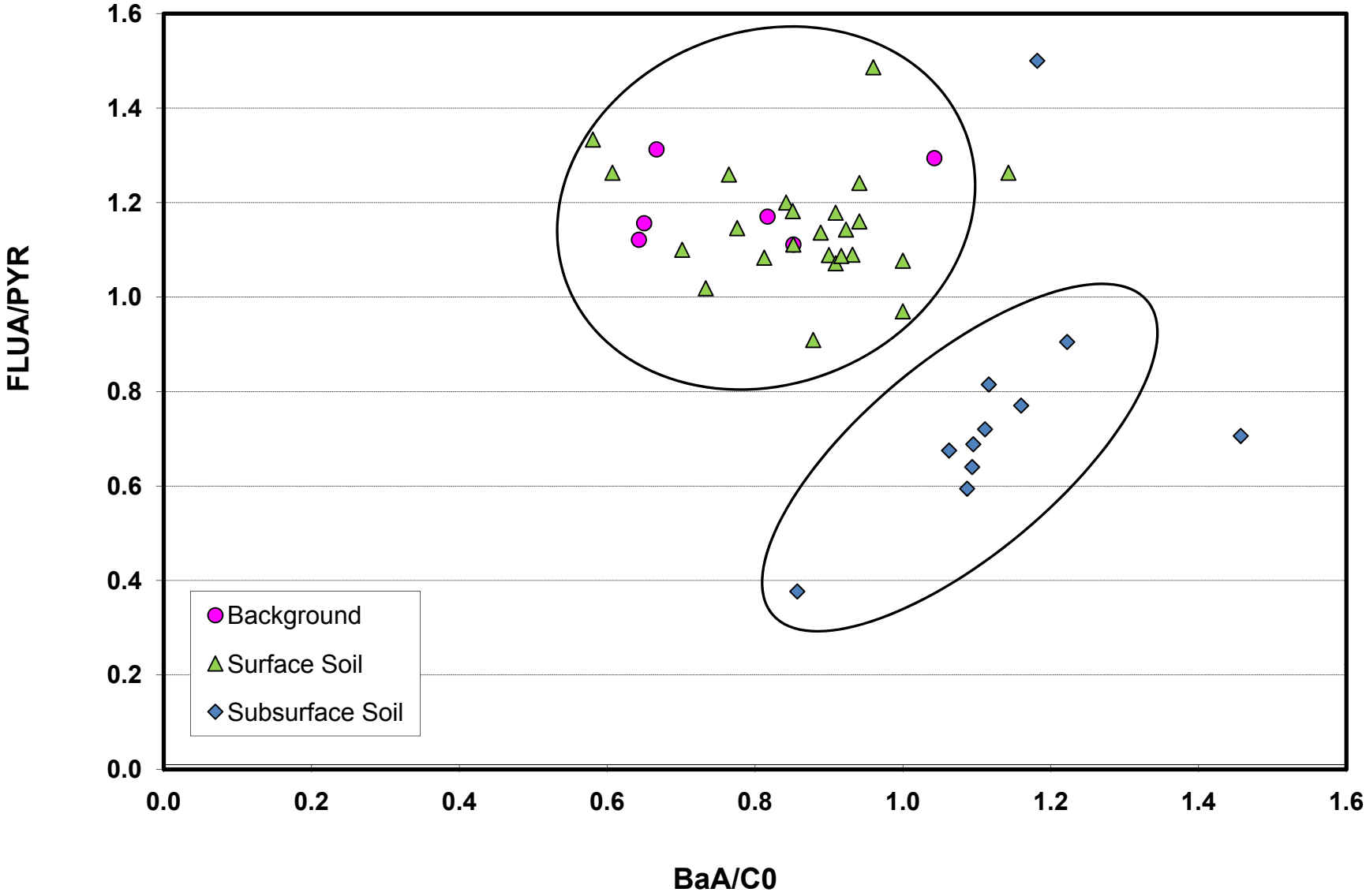


Figure 7-6
Benzo[a]anthracene/Chrysene versus Fluoranthene/Pyrene



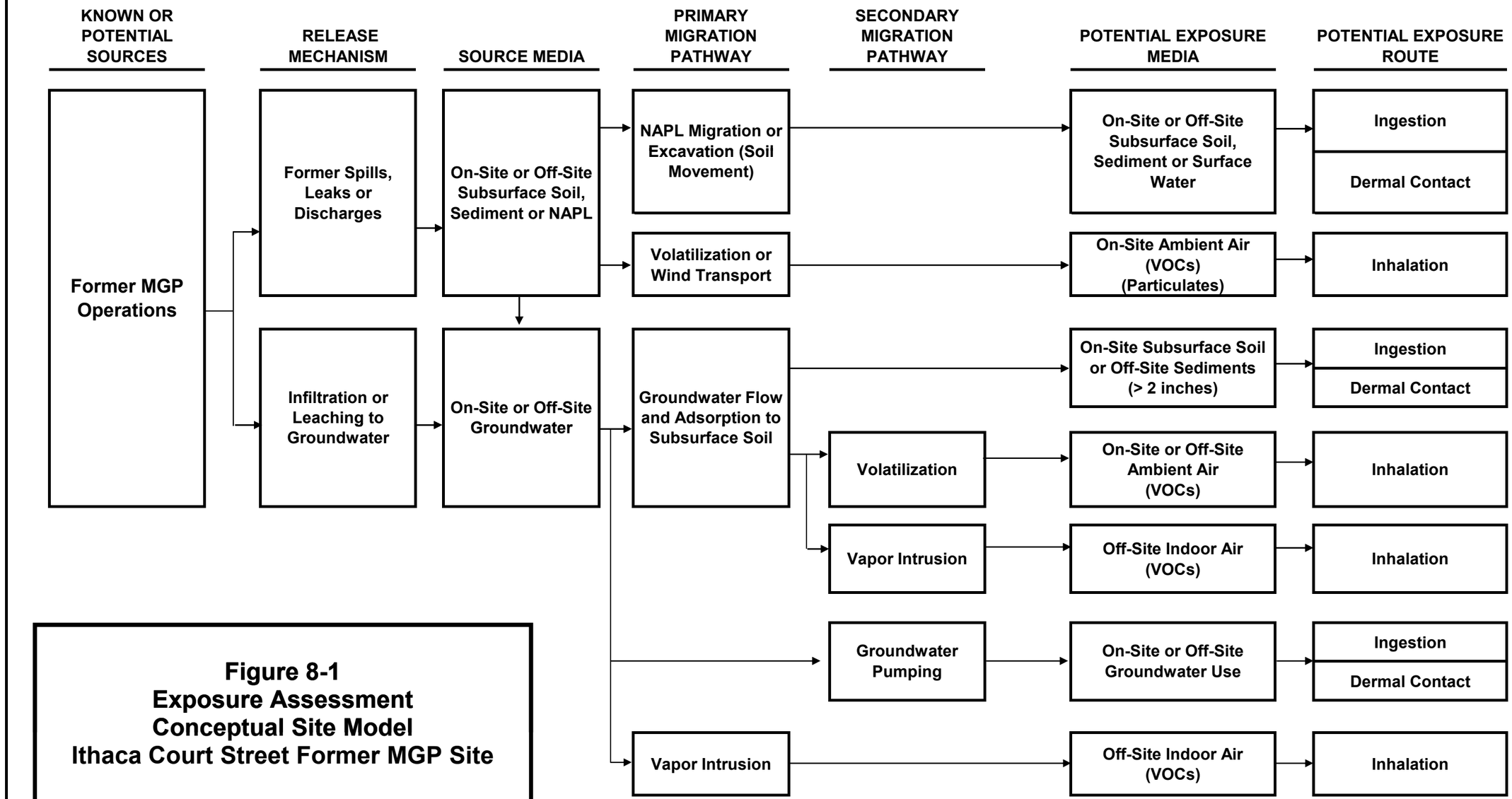


Figure 8-1
Exposure Assessment
Conceptual Site Model
Ithaca Court Street Former MGP Site

Notes:
Table 8-1 provides summary information regarding the potential receptor groups identified for the investigation for the areas of interest.

Appendix A

Soil Boring and Well Construction Logs

2010 Soil Boring and Well Construction Logs

February 2011

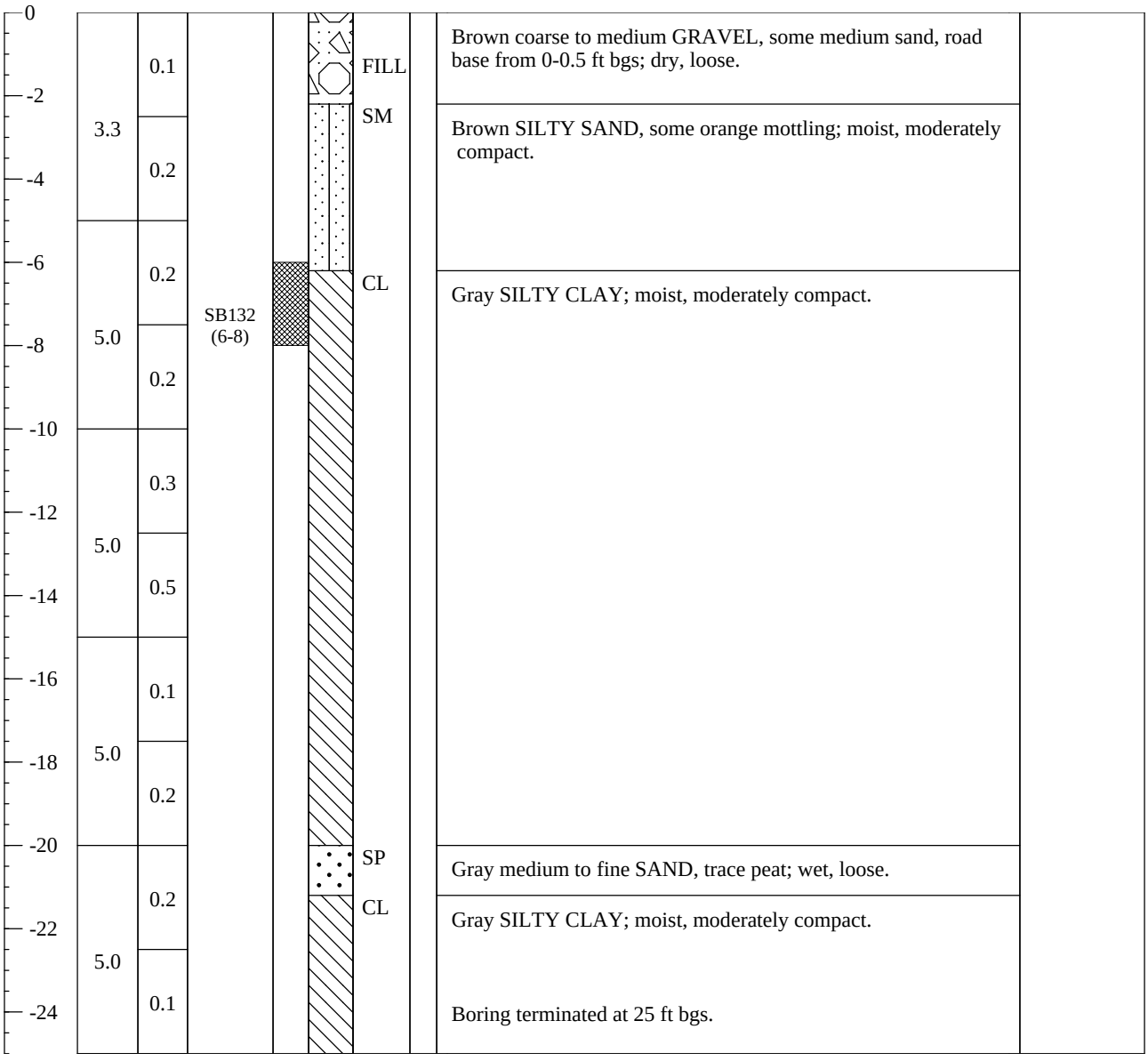
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB132

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 12, 2010
Boring Location: N. Plain St. North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.00
Total Depth: 25.0 ft bgs
Logged By: K. Stahle



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB132 (6-8) was analysed for VOCs, SVOCs, and Cyanide

AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB133

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 12, 2010
Boring Location: N. Plain St. North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.21
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J. Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	1.1	0.6				FILL		Brown coarse to medium GRAVEL, some medium sand, road base from 0-0.5 ft bgs; dry, loose.	
-2		0.2							
-4						SM		Brown SILTY SAND, some orange mottling; moist, moderately compact.	
-6	5.0	2.0				CL		Gray SILTY CLAY; moist, moderately compact.	
-8		1.7							
-10		2.1							
-12	5.0	2.5	SB133 (12.5-13.5)			SP		Gray medium to fine SAND, little SILT; wet, moderately loose.	
-14								Gray SILTY CLAY; moist, moderately compact.	
-16	5.0	1.0							
-18		1.6							
-20	5.0	1.0							
-22									
-24		0.4				SP		Gray medium to fine SAND; wet, loose. Boring terminated at 25 ft bgs.	

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB133 (12.5-13.5) was analysed for VOCs, SVOCs, and Cyanide

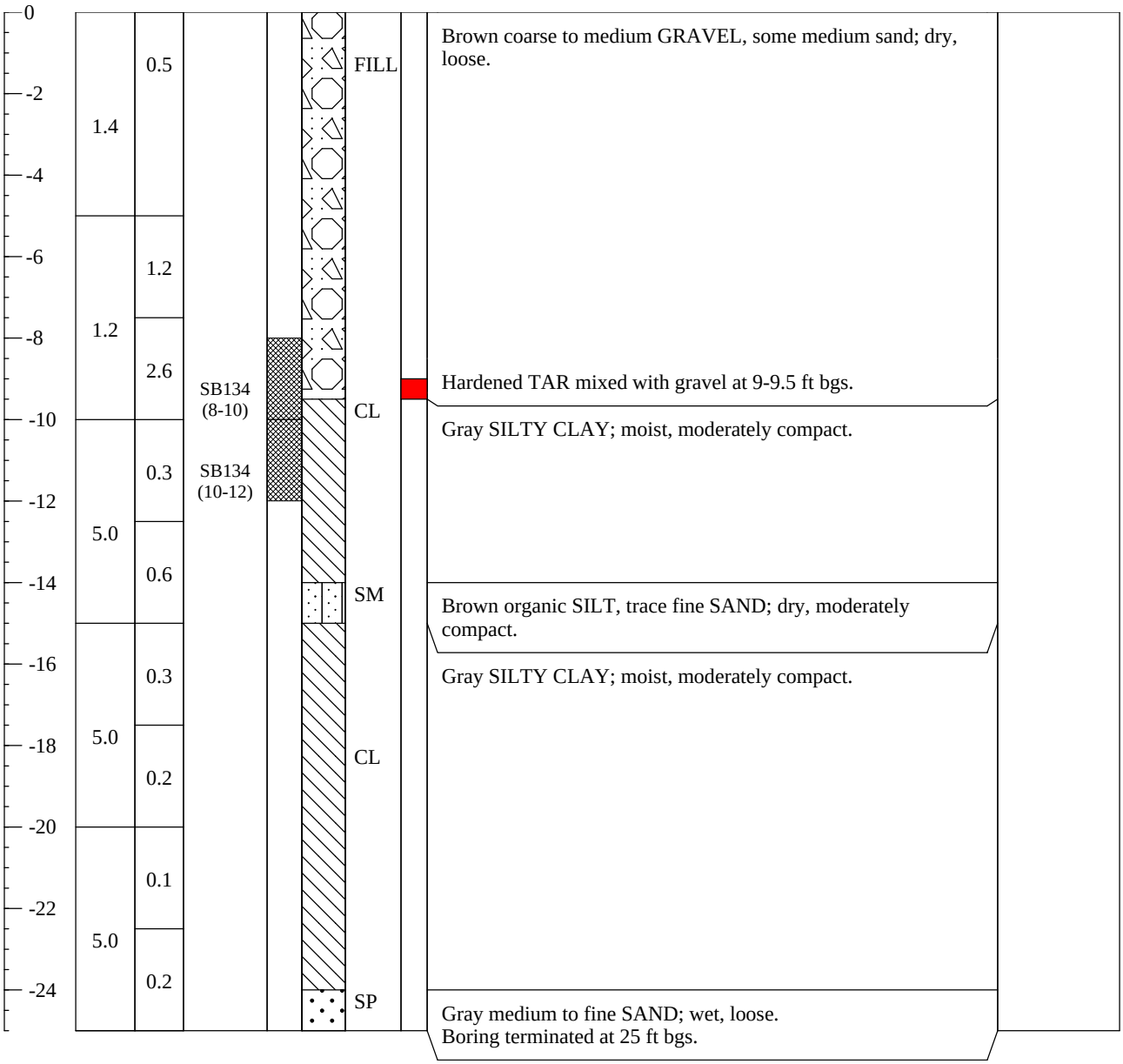
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB134

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 12, 2010
Boring Location: N. Plain St. North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.12
Total Depth: 25.0 ft bgs
Logged By: K. Stahle



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB134 (8-10) and SB134 (10-12) were analysed for VOCs, SVOCs, and Cyanide.

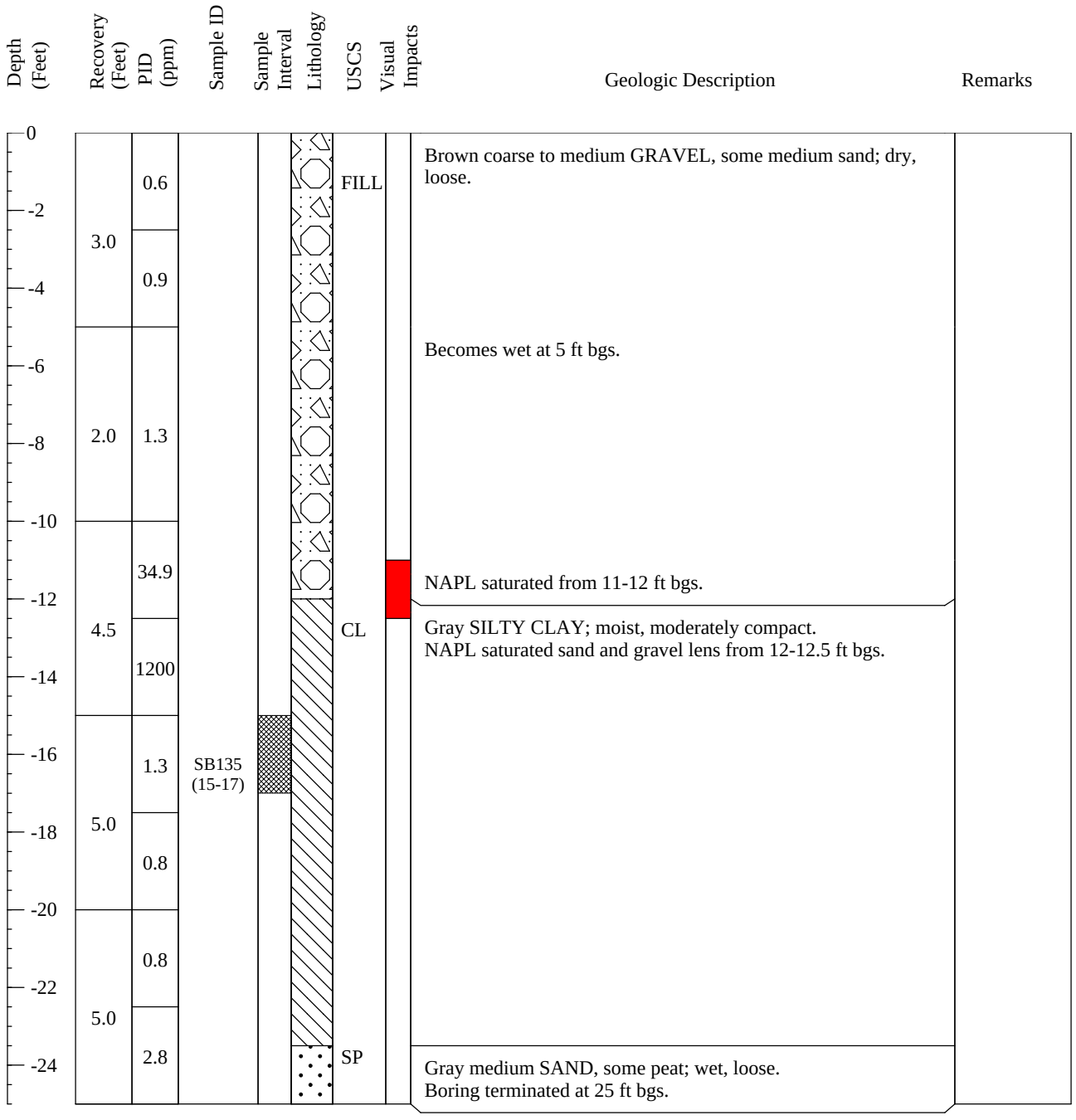
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB135

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 11, 2010
Boring Location: N. Plain St. West of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.89
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/ J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB135 (15-17) was analyzed for VOCs, SVOCs, and Cyanide.

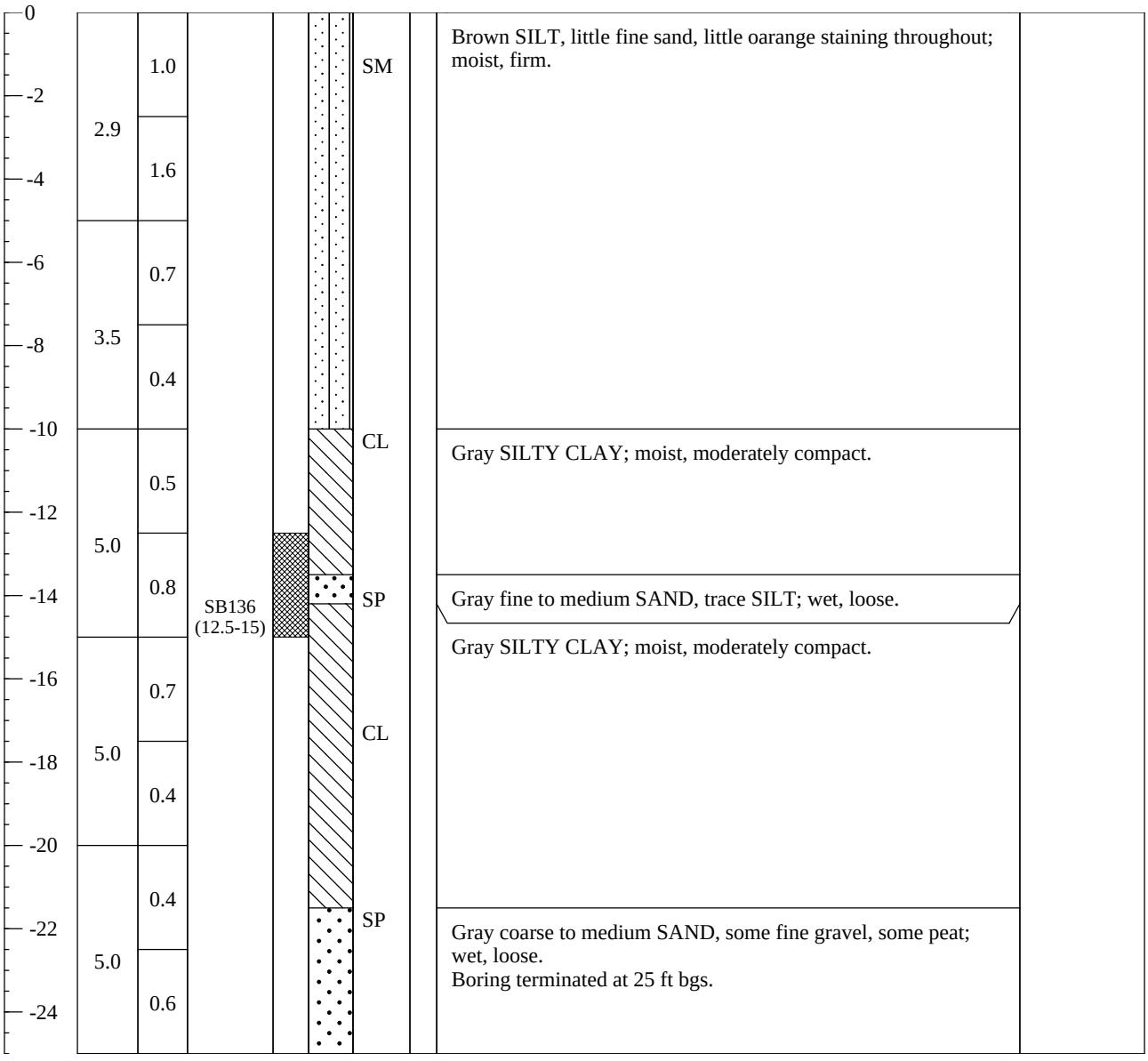
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB136

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 11, 2010
Boring Location: N. Plain St. West of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 392.98
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB136 (12.5-15) was analyzed for VOCs, SVOCs, and Cyanide.

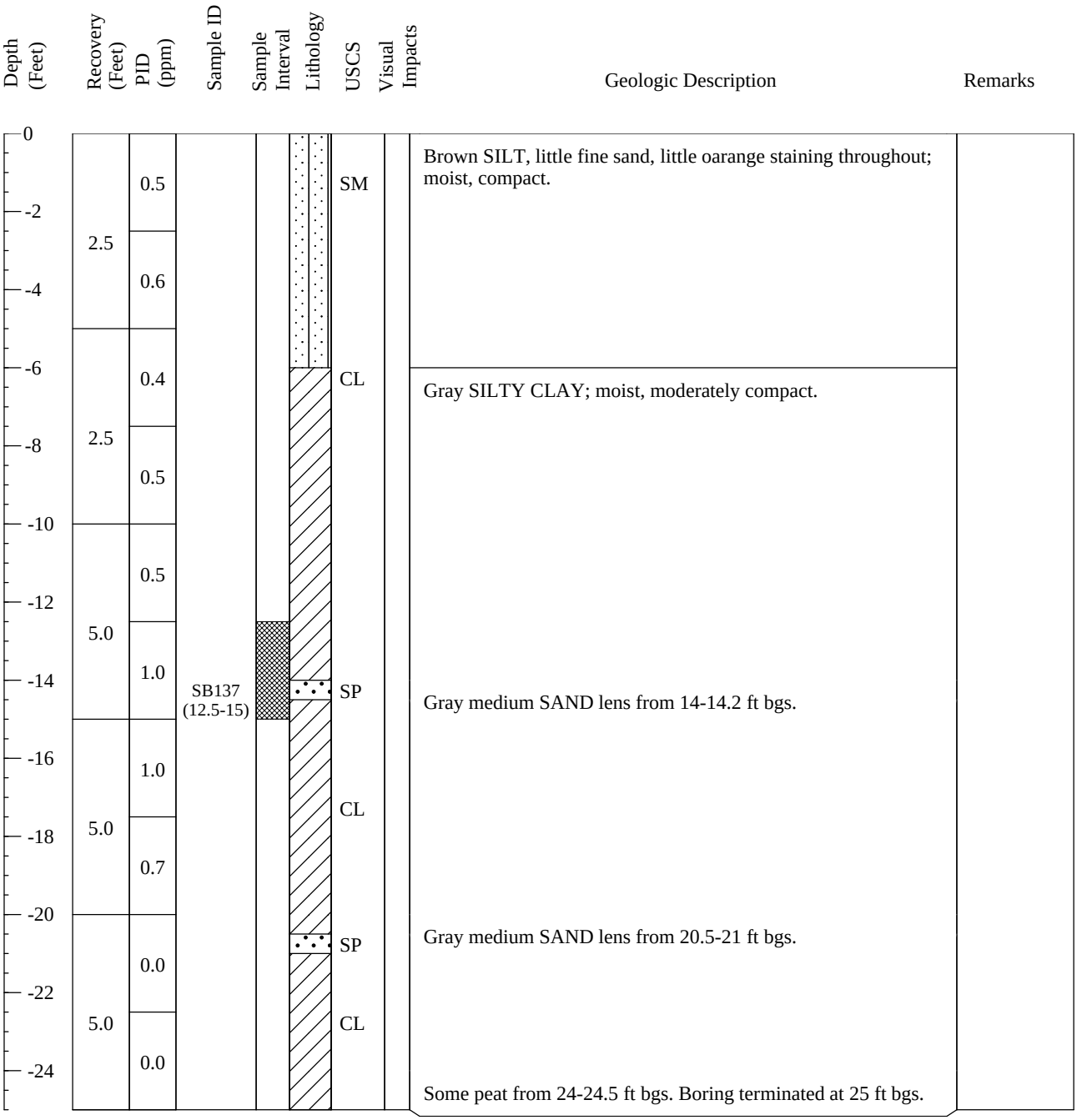
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB137

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 11, 2010
Boring Location: N. Plain St. West of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 392.93
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB137 (12.5-15) was analyzed for VOCs, SVOCs, and Cyanide.

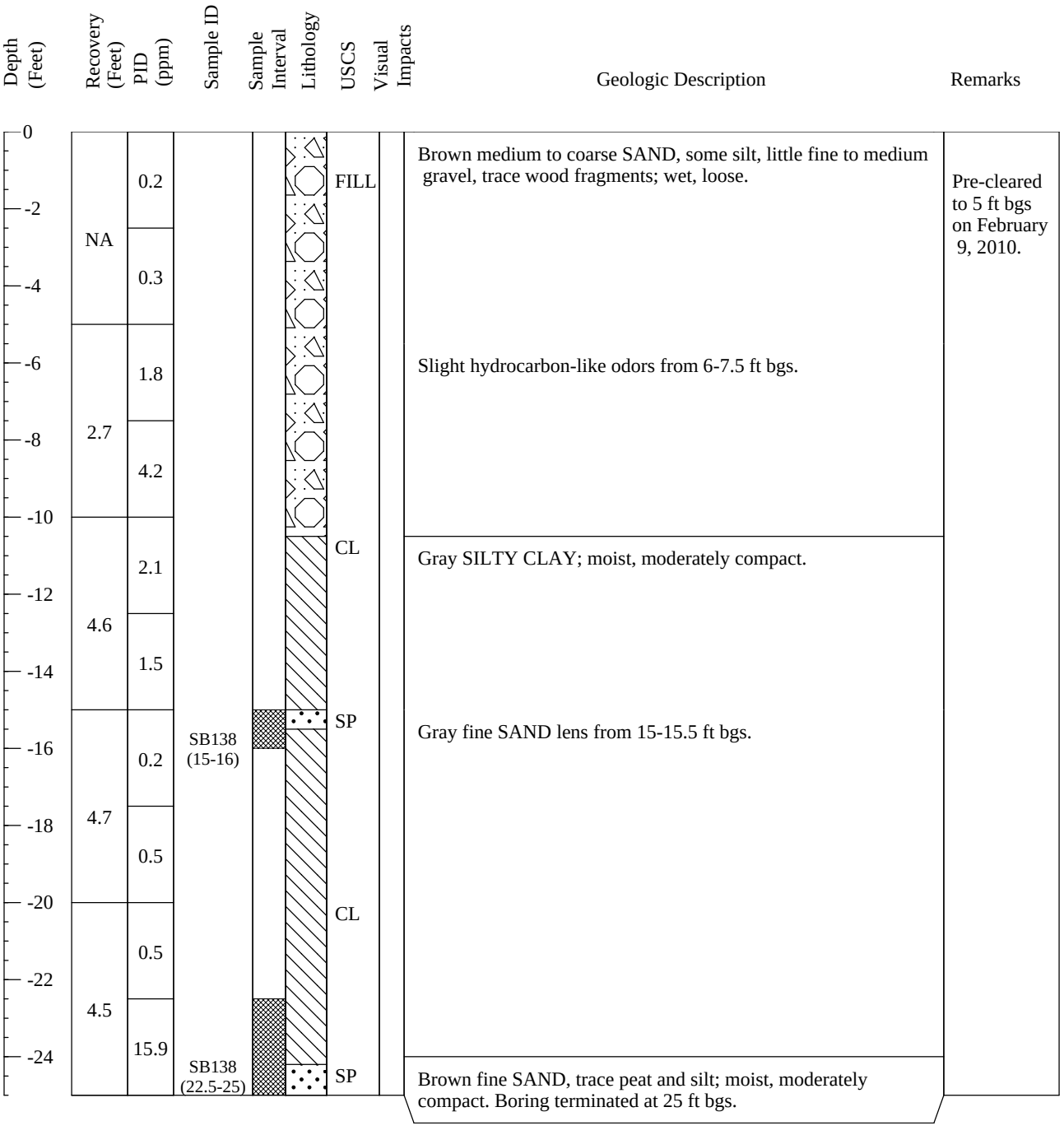
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB138

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 11, 2010
Boring Location: N. Plain St. West of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.70
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB138 (15-16) and SB138 (22.5-25) were analyzed for VOCs, SVOCs, and Cyanide.

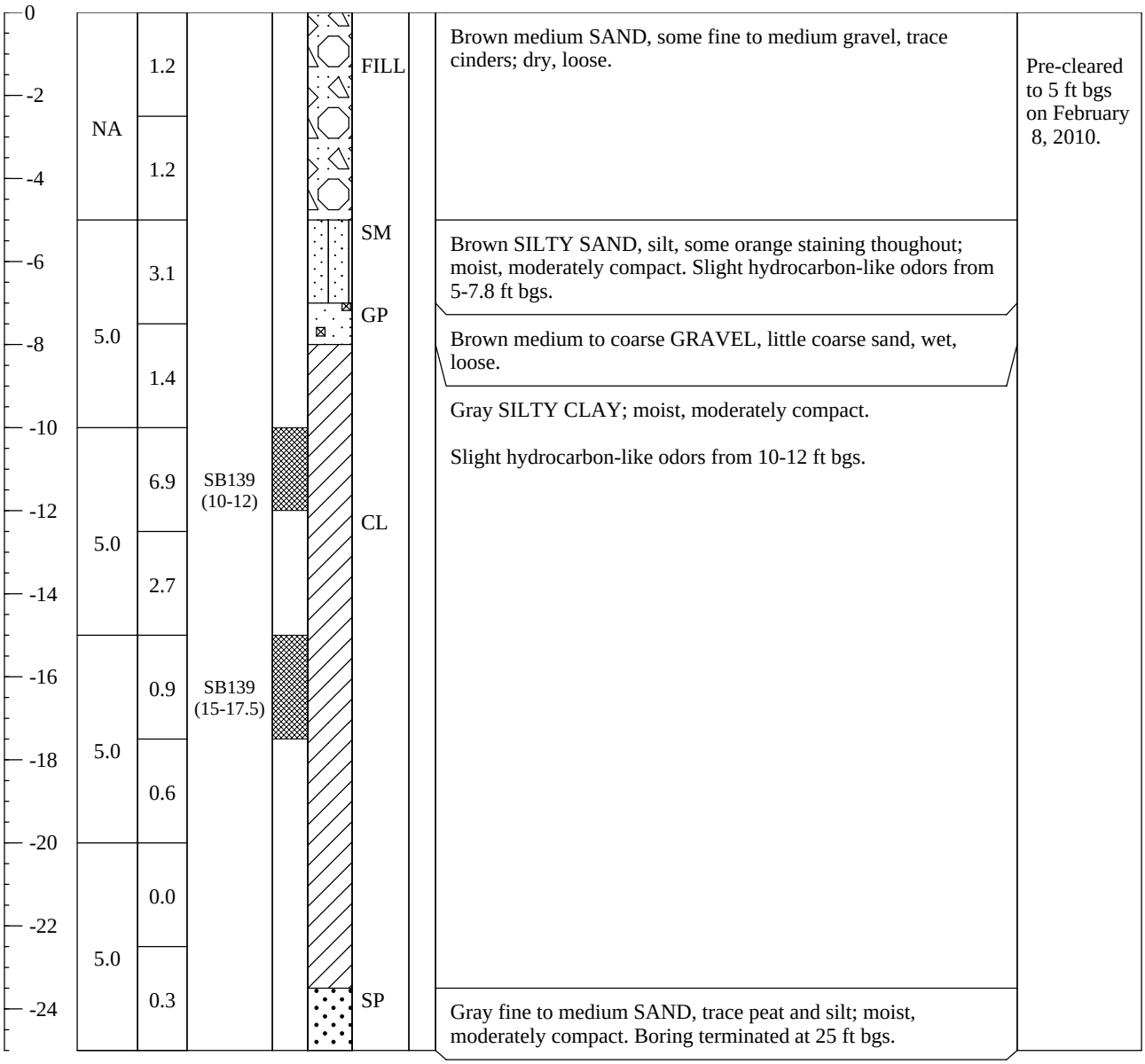
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB139

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 10, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.94
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB139 (10-12) and SB139 (15-17.5) were analyzed for VOCs, SVOCs, and Cyanide.

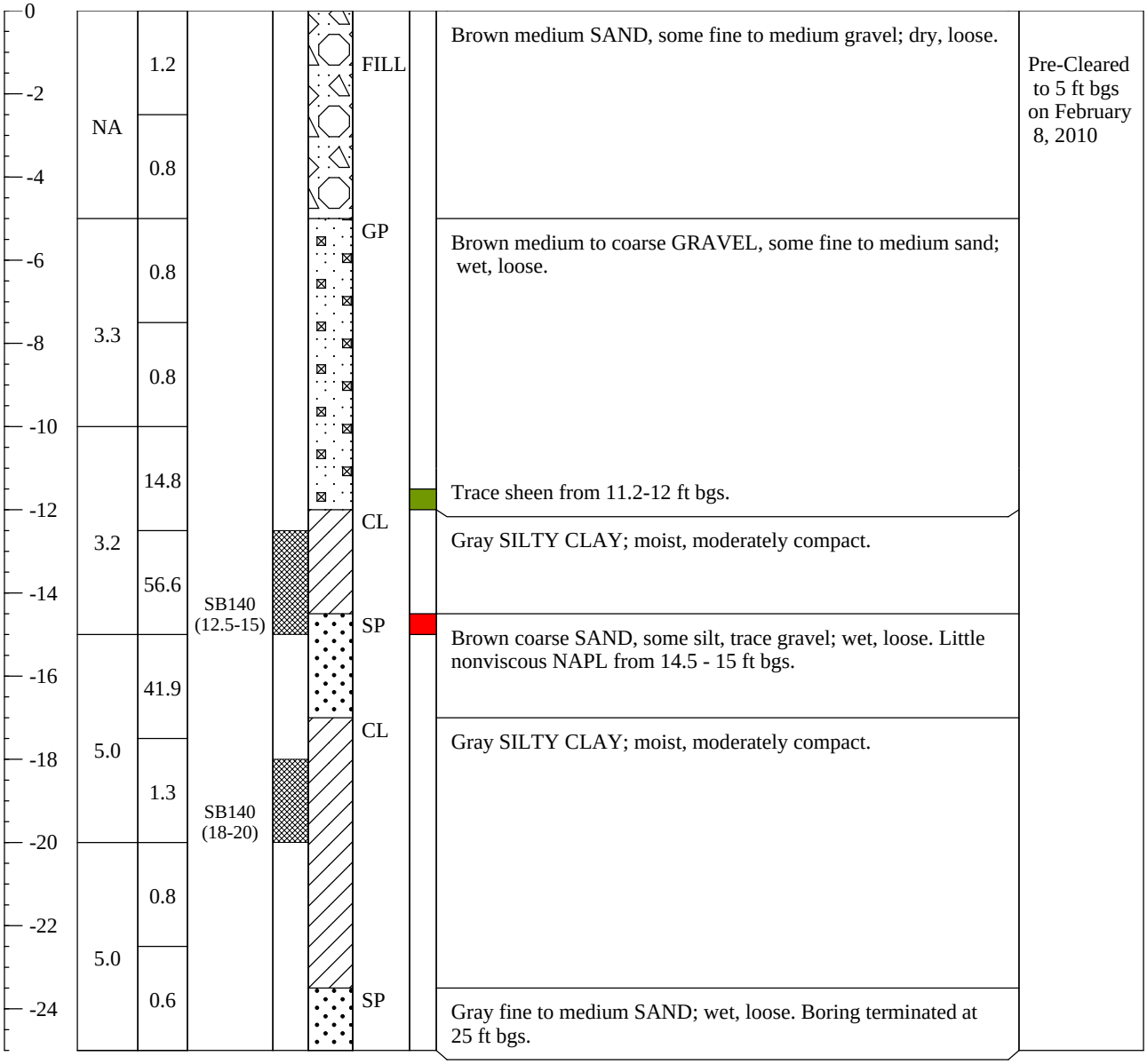
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB140

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 10, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 392.30
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB140 (12.5-15) and SB140 (18-20) were analyzed for VOCs, SVOCs, and Cyanide.

AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB141

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 10, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 392.90
Total Depth: 35.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	NA	0.6				FILL		Brown fine to medium SAND, some gravel, trace organics; dry, loose.	Pre-Cleared to 5 ft bgs on February 8, 2010
-2									
-4		0.2							
-6	4.7	0.3				CL		Gray SILTY CLAY; moist, moderately compact.	
-8									
-10	4.8	0.1							
-12									
-14									
-16	2.0	0.6							
-18									
-20	5.0	0.7	SB141 (21-23)			SP		Brown medium to fine SAND, some fine to medium gravel, trace silt; wet, loose.	
-22									
-24									
-26	5.0	0.6							
-28									
-30	5.0	0.1						Gray fine SAND, little silt; wet, loose.	
-32									
-34								Boring terminated at 35 ft bgs.	

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB141 (21-23) was analyzed for VOCs, SVOCs, and Cyanide.

AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB142

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 15, 2010
Boring Location: Cascadilla Street
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.94
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	2.9	0.0				FILL		Brown medium to coarse GRAVEL, some fine to medium sand, some cinders; dry, loose.	
-2		0.1				SM		Brown SILT, little fine to medium sand, little gravel; moist, firm.	
-4									
-6	2.4	0.1							
-8		0.2	SB142 (8-10)			CL		Gray SILTY CLAY, moist, moderately compact.	
-10	0	NA							
-12		NA							
-14									
-16	5.0	0.2							
-18		0.1				SP		Gray fine to medium SAND, some peat, trace silt; wet, firm.	
-20	4.2	0.0							
-22		0.1						Boring terminated at 25 ft bgs.	
-24									

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB142 (8-10) was analysed for VOCs, SVOCs, and Cyanide.

AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB143

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 16, 2010
Boring Location: Intersection of Washington and Cascadilla
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.30
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	4.8	0.0				FILL		Brown medium to coarse GRAVEL, some fine to medium sand; dry, loose.	
-2		0.0				SM		Brown SILT, some fine to medium sand, trace orange staining; dry, firm.	
-4									
-6	3.8	0.0				GP		Brown medium to coarse GRAVEL, some medium sand; moist, loose.	
-8		0.2	SB143 (8-10)			CL		Gray SILTY CLAY, trace organics throughout; moist, moderately compact.	
-10	5.0	0.2							
-12		0.2							
-14									
-16	5.0	0.2							
-18		0.2							
-20	5.0	0.1				SP		Gray fine to medium SAND, trace silt; wet, firm.	
-22		0.2						Boring terminated at 25 ft bgs.	
-24									

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB143 (8-10) was analysed for VOCs, SVOCs, and Cyanide.

AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB144

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 16, 2010
Boring Location: Washington Street
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.87
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	NA	0.2				FILL		Brown medium to coarse GRAVEL, some fine to medium sand; dry, loose.	Pre-cleared to 5 ft bgs on February 9, 2010.
-2		0.3							
-4									
-6	2.2	0.0				GP		Brown medium to coarse GRAVEL, some medium sand; moist, loose.	
-8		19.1				CL		Gray SILTY CLAY, trace organics throughout; moist, moderately compact.	
-10	5.0	139						Trace NAPL stringers from 10-15 ft bgs.	
-12			SB144 (12-13)						
-14		106							
-16	5.0	41.6							
-18		14.5							
-20		0.5	SB144 (20-22)			SP		Gray fine to medium SAND, some peat, trace silt; wet, firm.	
-22	5.0							Boring terminated at 25 ft bgs.	
-24		0.5							

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB144 (12-13) and SB144 (20-22) were analysed for VOCs, SVOCs, and Cyanide.

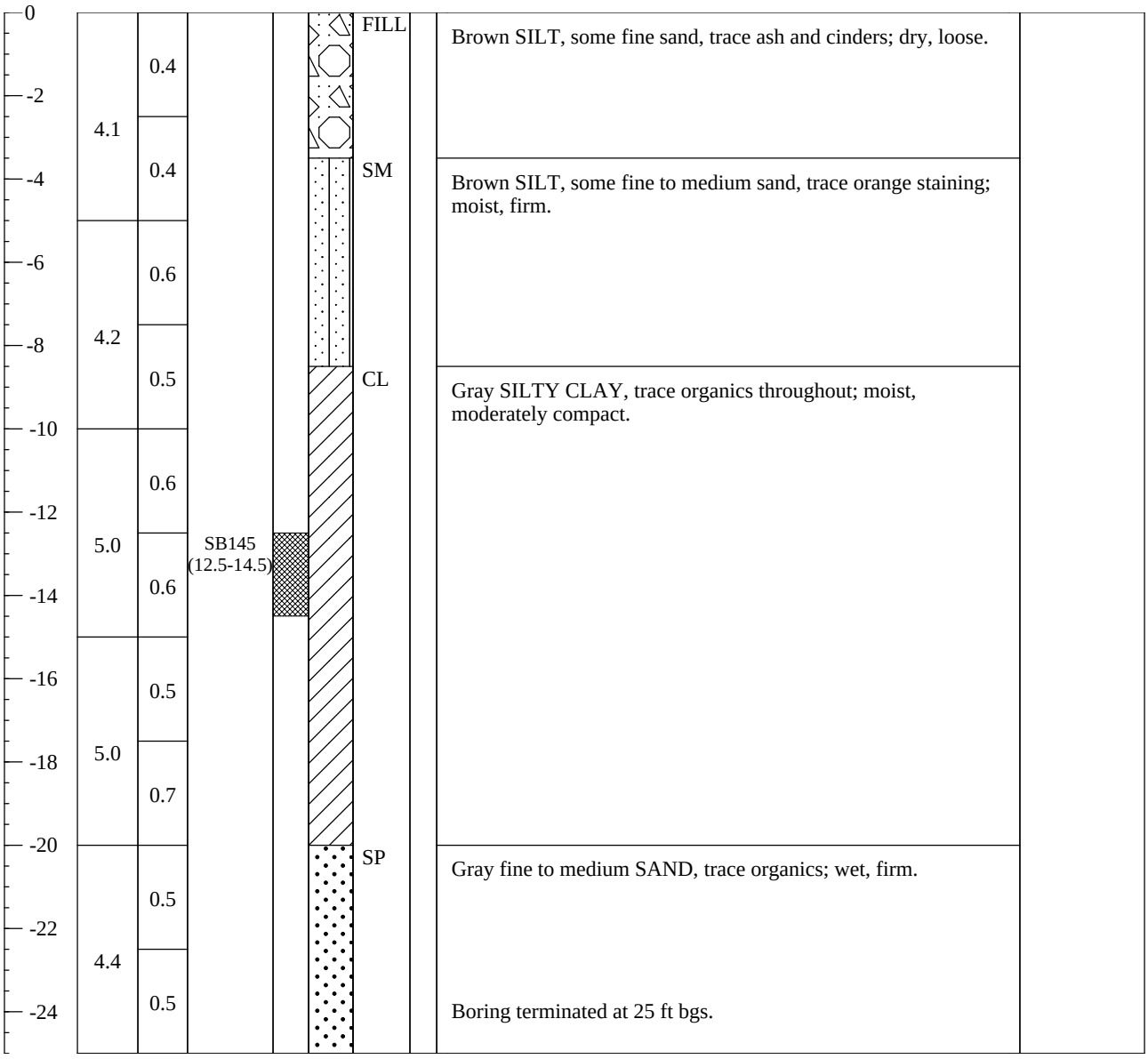
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB145

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 16, 2010
Boring Location: Washington Street
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 388.26
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB145 (12.5-14.5) was analysed for VOCs, SVOCs, and Cyanide.

AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB146

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 16, 2010
Boring Location: Washington Street
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.49
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	3.0	0.0				FILL		Brown medium SAND, some medium gravel; dry, loose.	
-2		0.1				SM		Brown SILT, some fine to medium sand, trace orange staining, trace organics; moist, firm.	
-4									
-6	2.3	0.1	SB146 (6-8)						
-8		0.2							
-10	5.0	0.1				CL		Gray SILTY CLAY, trace organics throughout; moist, moderately compact.	
-12									
-14		0.2							
-16	5.0	0.0							
-18		0.1							
-20	5.0	0.1				SP		Gray fine SAND, little silt, trace organics; wet, firm.	
-22								Boring terminated at 25 ft bgs.	
-24		0.2							

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB146 (6-8) was analysed for VOCs, SVOCs, and Cyanide.

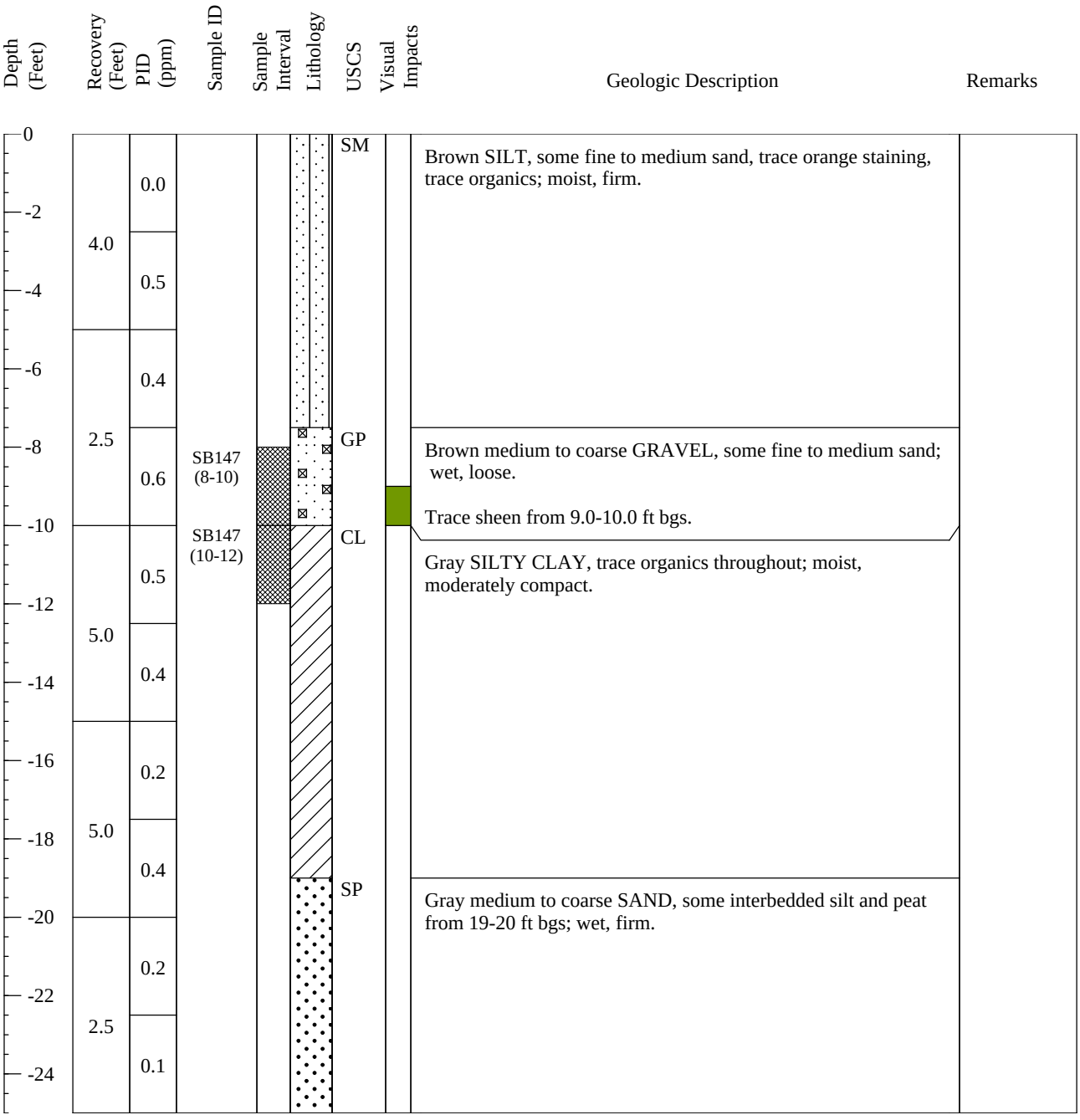
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB147

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 17, 2010
Boring Location: Washington Street
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.33
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB147 (8-10) and SB147 (10-12) were analysed for VOCs, SVOCs, and Cyanide.

AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB148

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 17, 2010
Boring Location: Washington Street
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.14
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	2.5	0.3				FILL		Brown medium SAND, some medium gravel; dry, loose.	
-2									
-4		0.4							
-6	3.5	3.5				SM		Brown SILT, some fine to medium sand, trace orange staining, trace organics; moist, firm.	
-8		3.2							
-10	4.2	4.2	SB148 (10-12)			CL		Gray SILTY CLAY, trace organics throughout; moist, firm.	
-12									
-14		4.0							
-16	3.4	3.4						Gray fine SAND, some organics, trace silt; moist, firm.	
-18		3.3							
-20	4.0	3.3				SP			
-22									
-24		3.2							

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB148 (10-12) was analysed for VOCs, SVOCs, and Cyanide.

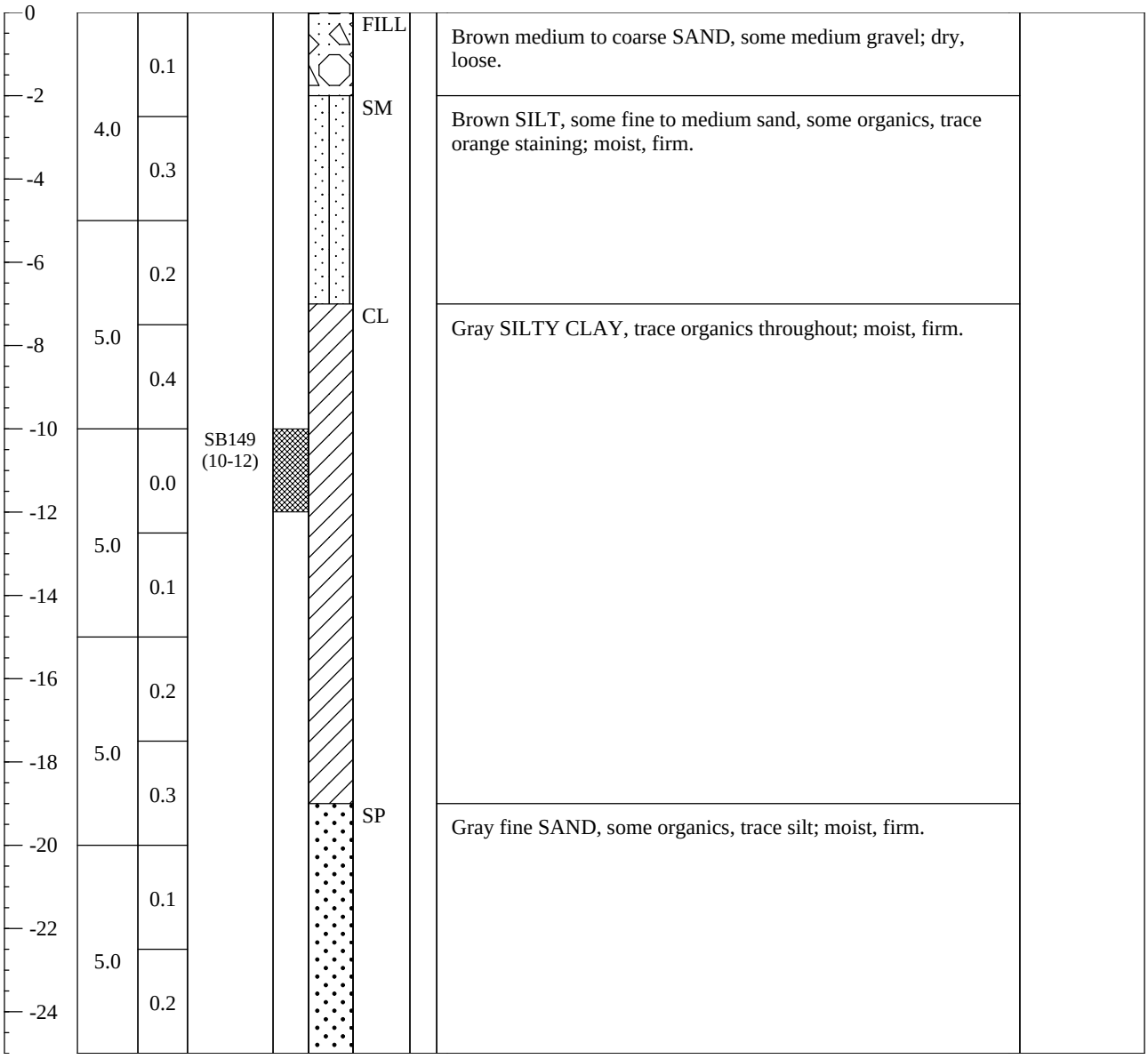
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB149

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 17, 2010
Boring Location: Washington Street
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 388.10
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB149 (10-12) was analysed for VOCs, SVOCs, and Cyanide.

AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB150

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 17, 2010
Boring Location: Washington Street
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.61
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	2.4	0.1				FILL		Brown medium to coarse SAND, some medium gravel, some cinders and ash; dry, loose.	
-2						SM			
-4		0.0						Brown SILT, some fine to medium sand, trace organics; moist, firm.	
-6	5.0	0.2	SB150 (7-8)						
-8		0.1				CL		Fine to medium SAND lens from 7.5 -7.8 ft bgs.	
-10	5.0	0.1						Gray SILTY CLAY, trace organics throughout; moist, firm.	
-12									
-14		0.2							
-16	5.0	0.3							
-18		0.2				SP		Gray fine SAND, some organics; wet, firm.	
-20	5.0	0.1							
-22									
-24		0.1							

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB150 (7-8) was analysed for VOCs, SVOCs, and Cyanide.

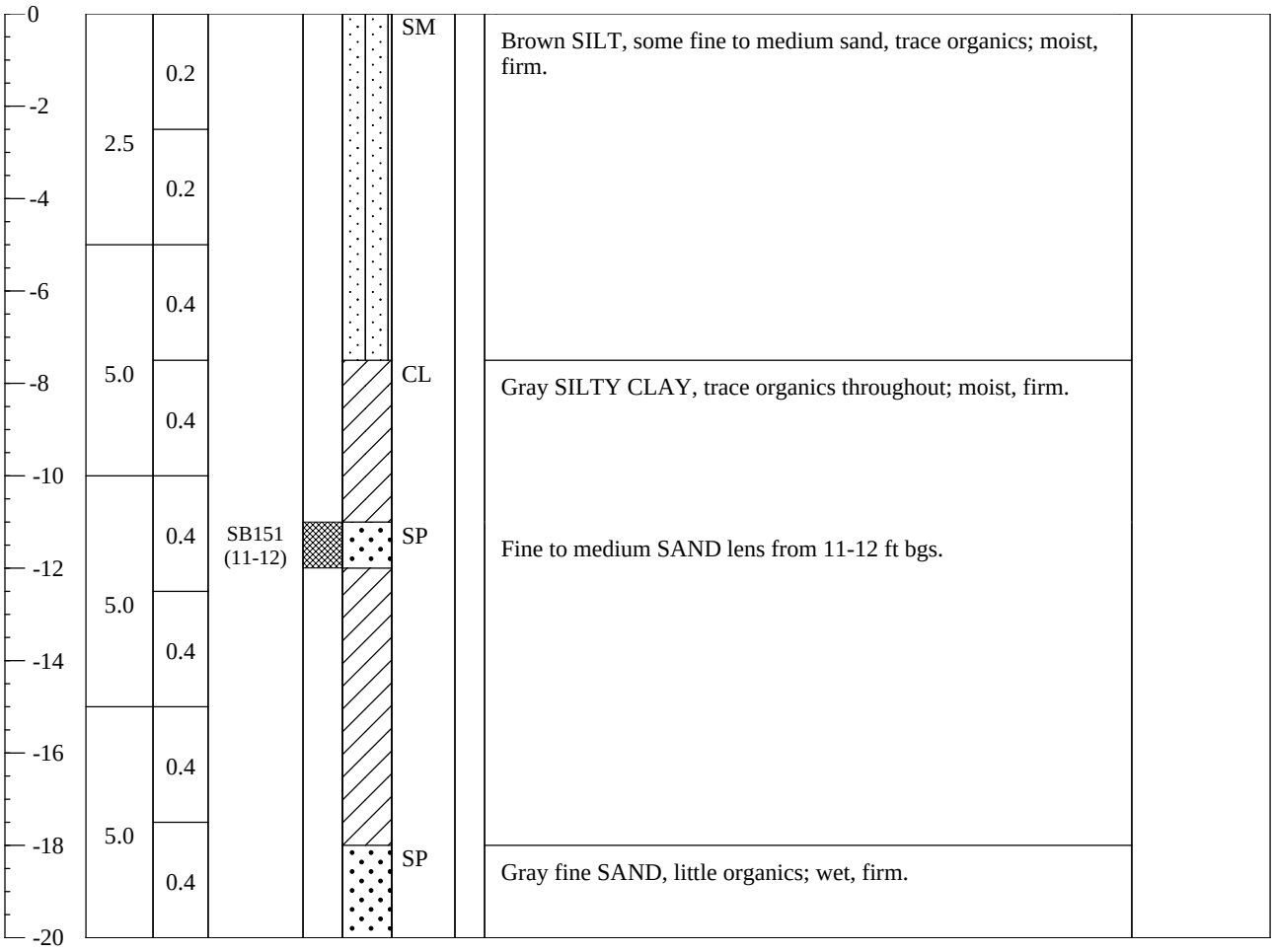
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB151

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 23, 2010
Boring Location: Washington Street
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.58
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB151 (11-12) was analysed for VOCs, SVOCs, and Cyanide.

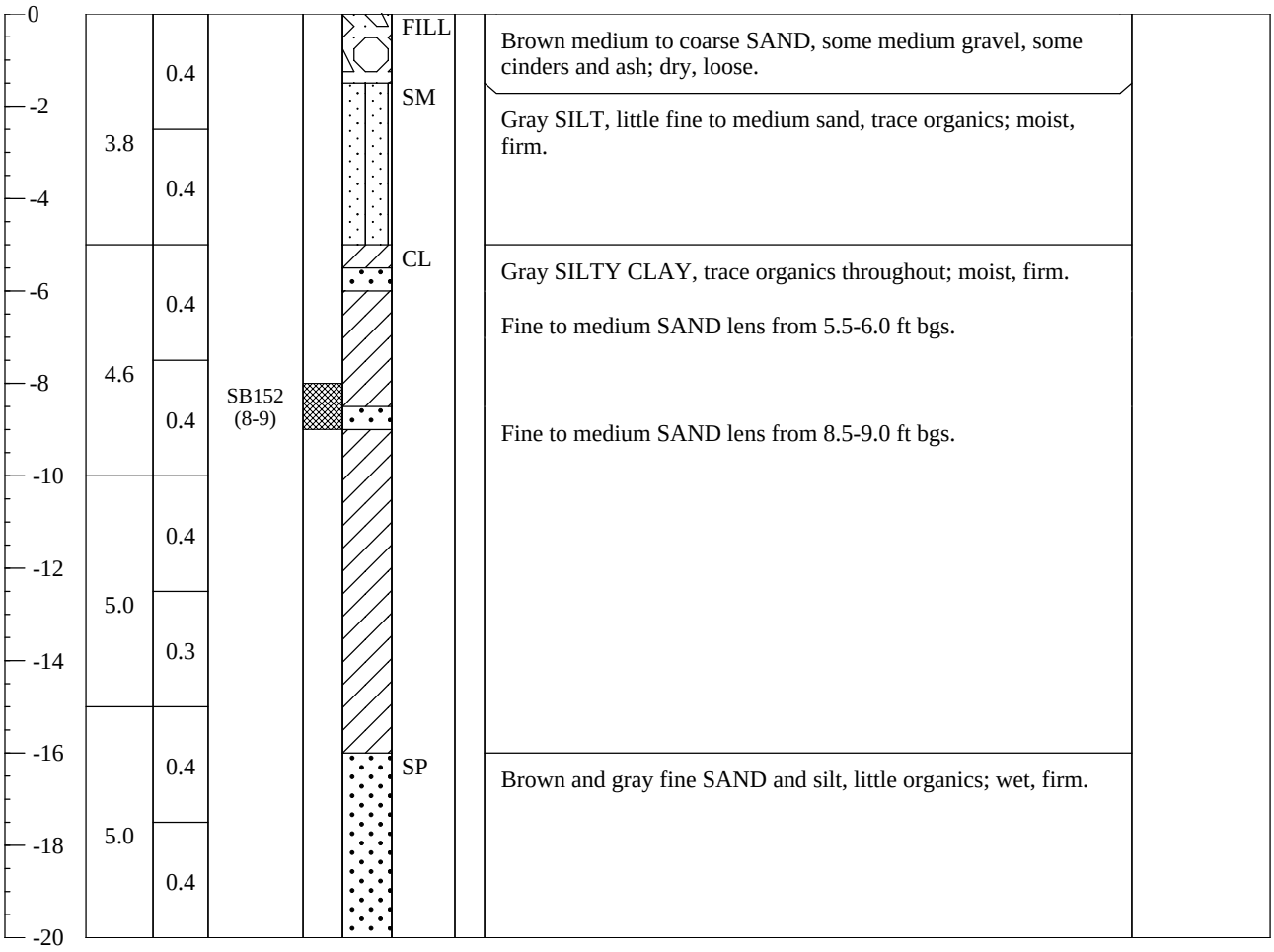
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB152

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 22, 2010
Boring Location: Esty Street West of Washington
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 386.07
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB152 (8-9) was analysed for VOCs, SVOCs, and Cyanide.

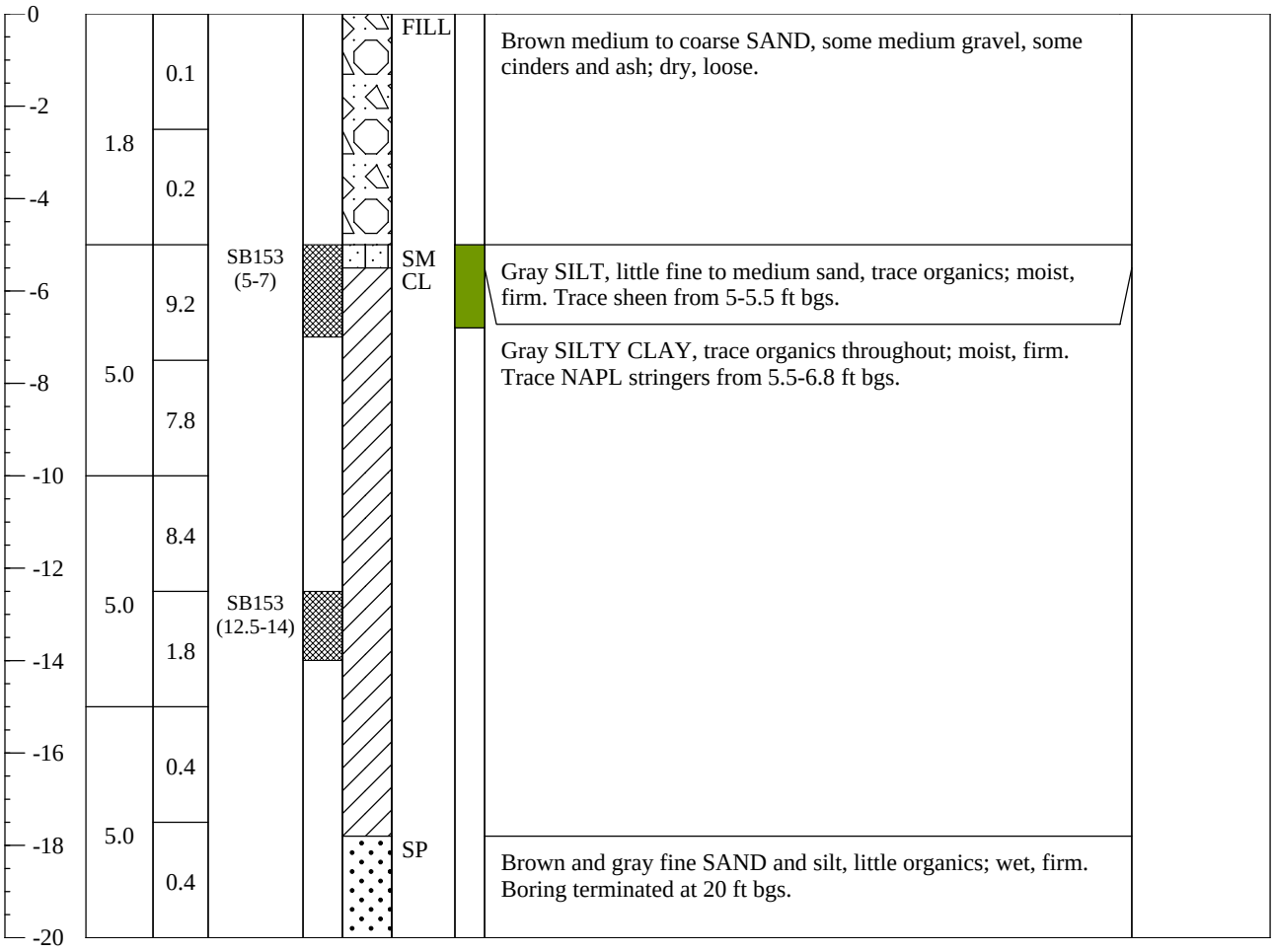
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB153

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 22, 2010
Boring Location: Intersection of Esty and Washington
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 386.58
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB153 (5-7) and SB153 (12.5-14) were analysed for VOCs, SVOCs, and Cyanide.

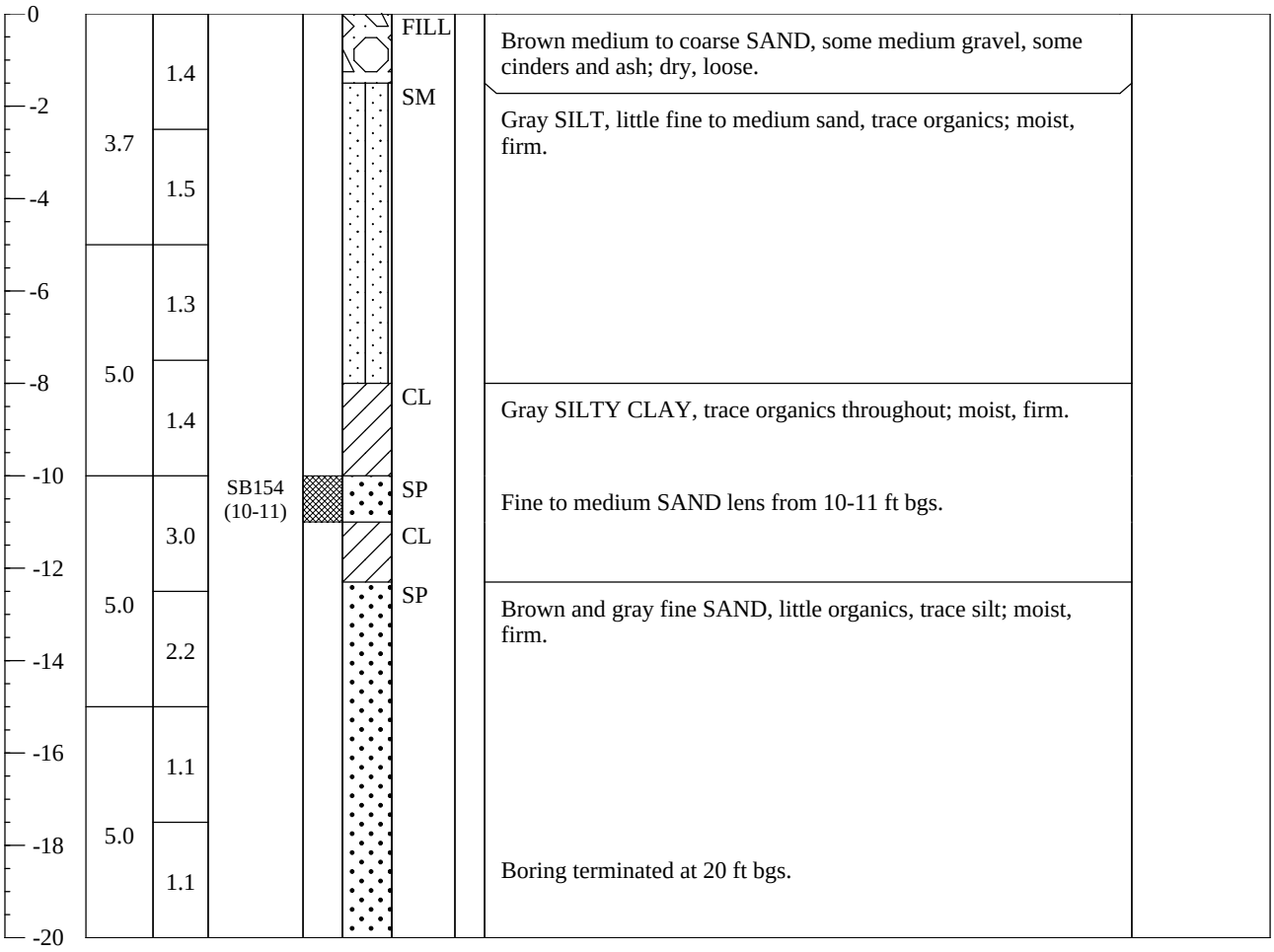
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB154

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 22, 2010
Boring Location: Esty Street, East of Washington
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.43
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB154 (10-11) was analysed for VOCs, SVOCs, and Cyanide.

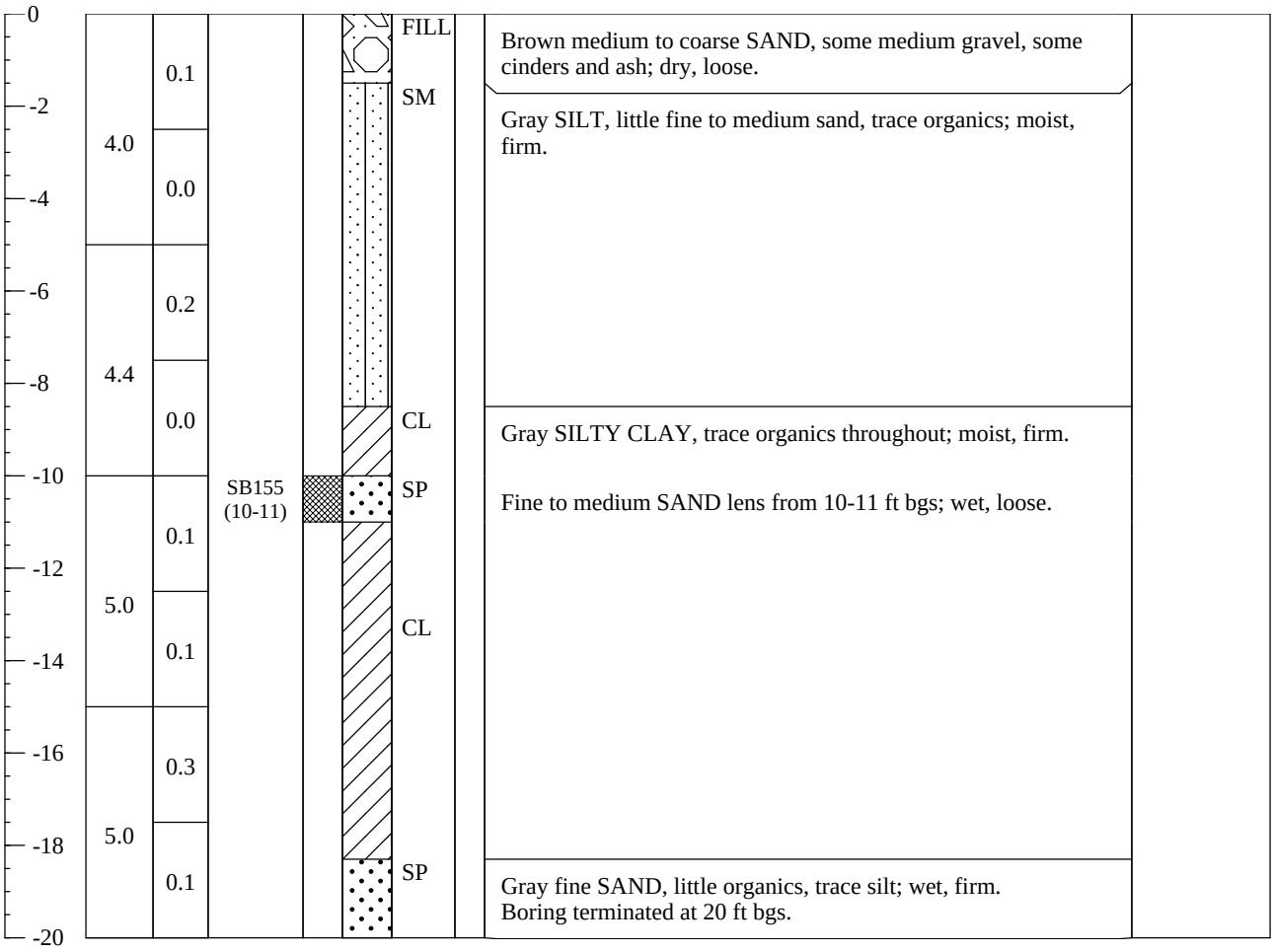
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB155

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 18, 2010
Boring Location: Esty Street, East of Washington
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.57
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB155 (10-11) was analysed for VOCs, SVOCs, and Cyanide. MS/MSD collected.

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Boring ID: SB156

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 15, 2010
Boring Location: Intersection of Esty and Washington
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.28
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	3.5	0.2				FILL		Brown medium to coarse GRAVEL, some medium sand, some wood fragments; dry, loose.	
-2									
-4		0.5				SM		Brown SILT, little fine sand, trace organics, some orange staining; moist, firm.	
-6	4.5	0.6							
-8		0.5				CL		Gray SILTY CLAY, trace organics throughout; moist, firm.	
-10	5.0	7.9	SB156 (10-11.5)			SP		Trace NAPL stringers from 10.5-11.5 ft bgs. Stringers consist of fine to medium sand and are 1-2-inches long and less than 0.5-inch wide.	Duplicate sample SB1560 (10-11.5) collected.
-12									
-14		2.2	SB156 (13-15)					Gray SILTY CLAY, trace organics throughout; moist, firm.	
-16	5.0	0.2				CL			
-18		0.1							
-20	1.5	0.3				SP		Gray fine SAND, little organics, trace silt, some interbedded fine sand and peat from 20-21 ft bgs; wet, firm.	
-22									
-24		0.3						Boring terminated at 25 ft bgs.	

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB156(10-11.5), SB156(13-15), and SB1560(10-11.5) were analysed for VOCs, SVOCs, and Cyanide.

AECOM

1001 West Seneca Street, Suite 204
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Boring ID: SB157

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 15, 2010
Boring Location: Esty Street, East of Washington
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.02
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	4.8	0.6				FILL		Brown medium to coarse GRAVEL, some medium sand; dry, loose.	
-2						SM			
-4		0.9						Brown SILT, little fine sand, trace organics, some orange staining throughout; moist, firm.	
-6	5.0	0.8				CL		Gray SILTY CLAY, trace organics throughout; moist, firm.	
-8		1.2							
-10			SB157 (10-11)			SP		Fine to medium SAND lens from 10-10.5 ft bgs; wet, loose.	
-12	5.0	1.4							
-14		0.9				CL			
-16	5.0	0.5							
-18		0.7				SP		Gray fine SAND, little organics, trace silt, some interbedded silt and peat from 18-20 ft bgs; wet, firm.	
-20	4.7	0.3							
-22								Boring terminated at 25 ft bgs.	
-24		0.4							

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB157 (10-11) was analysed for VOCs, SVOCs, and Cyanide.

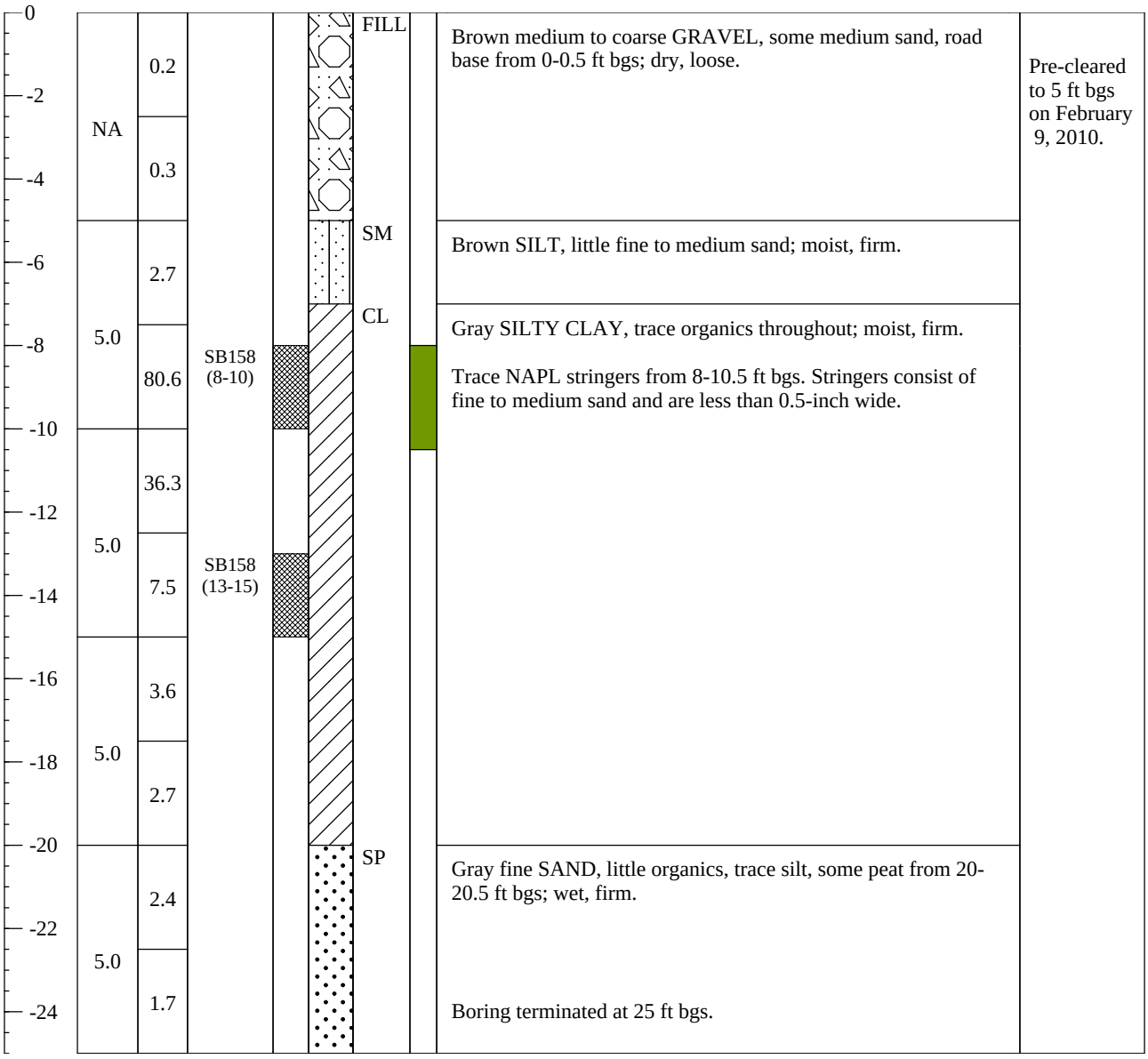
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB158

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 15, 2010
Boring Location: Washington Street, South of Esty
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 387.37
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB158 (8-10) and SB158 (13-15) were analysed for VOCs, SVOCs, and Cyanide.

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1001 West Seneca Street, Suite 204
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Boring ID: SB159

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 15, 2010
Boring Location: Washington Street, North of Court
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 388.25
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	3.2	1.1				FILL		Brown medium to coarse GRAVEL, some medium sand, some cinder and ash; dry, loose.	
-2									
-4		1.3				SM		Brown SILT, little fine to medium sand, little orange staining throughout; moist, firm.	
-6	5.0	2.2							
-8		1.6				CL		Gray SILTY CLAY, trace organics throughout; moist, firm.	
-10	5.0	2.4	SB159 (11-12.5)			SP		Fine to medium SAND lens from 11-12.4 ft bgs; wet, loose. Slight hydrocarbon-like odors from 11-12.4 ft bgs.	
-12									
-14		2.3	SB159 (12.5-15)			CL			
-16	5.0	1.5							
-18		1.3							
-20	5.0	0.8				SP		Gray fine SAND, little organics, little peat from 20-20.5 ft bgs; wet, firm.	
-22									
-24		0.8						Boring terminated at 25 ft bgs.	

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB159 (11-12.5) and SB159 (12.5-15) were analysed for VOCs, SVOCs, and Cyanide.

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1001 West Seneca Street, Suite 204
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Boring ID: SB160

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 11, 2010
Boring Location: Esty/N. Plain Streets utility corridor
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.86
Total Depth: 15.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	3.5	0.8				FILL		Brown medium to coarse GRAVEL, some medium sand; dry, loose.	
-2		0.5							
-4	2.0	0.4							
-6		0.4						Moderate hydrocarbon-like odors from 8-11 ft bgs.	
-8	7.9	0.2	SB160 (10-11)			CL		Gray SILTY CLAY, trace organics throughout; moist, firm.	
-10		0.1	SB160 (11-13)						
-12									
-14									

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB160 (10-11) and SB160 (11-13) were analysed for VOCs, SVOCs, and Cyanide.

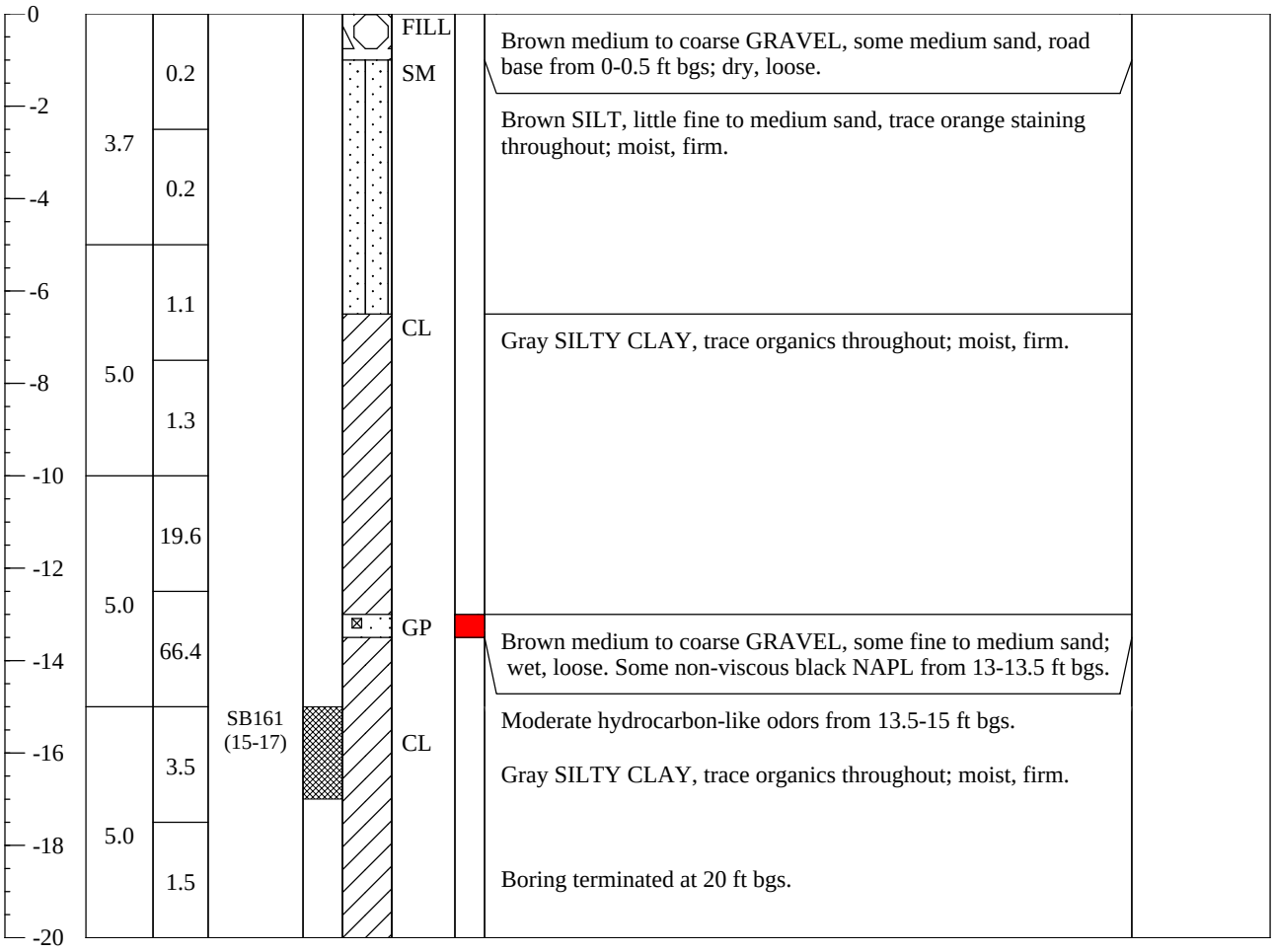
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1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB161

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 23, 2010
Boring Location: North Plain Street, North of Esty
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.90
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB161 (15-17) was analysed for VOCs, SVOCs, and Cyanide.

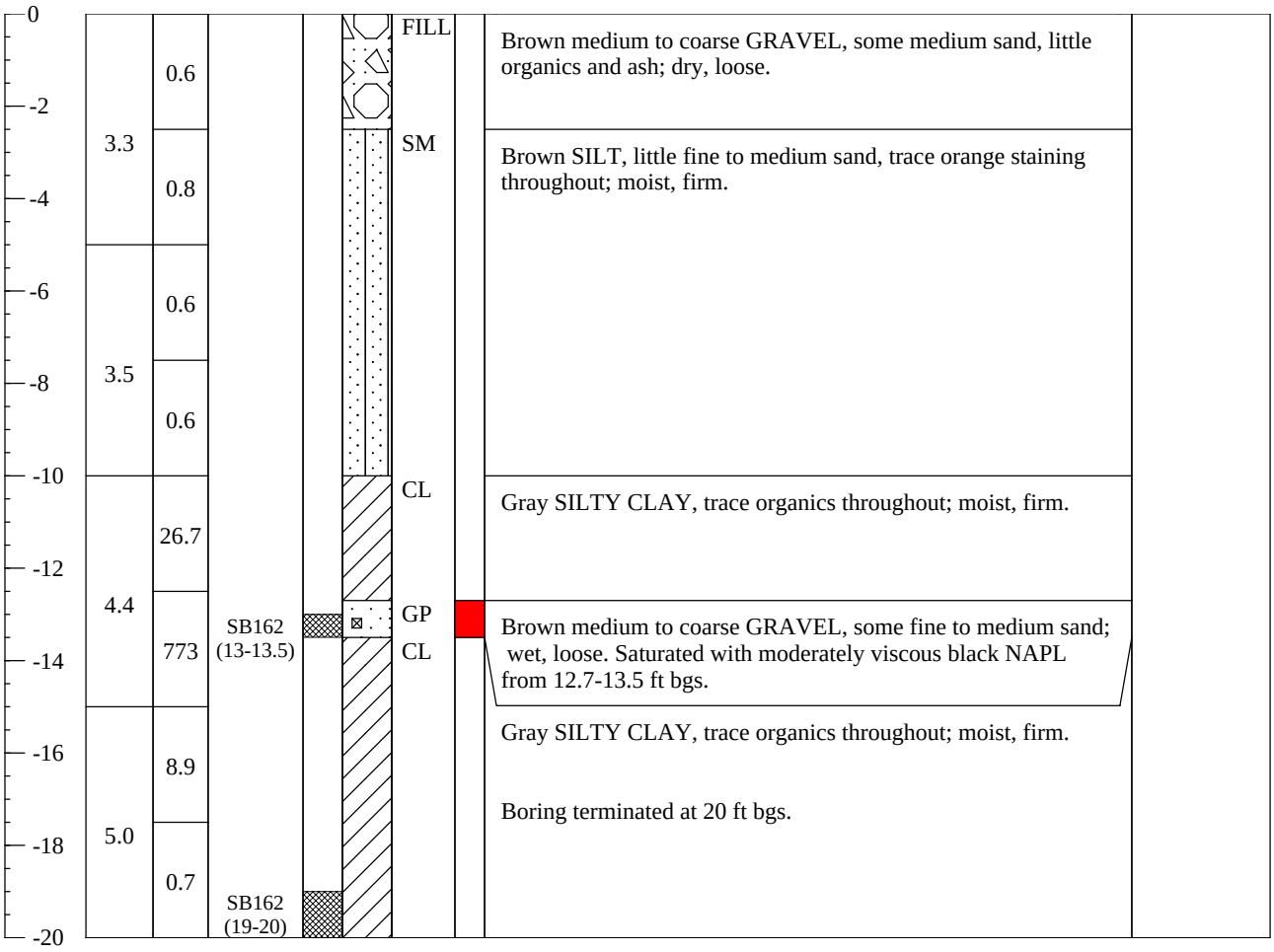
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB162

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 23, 2010
Boring Location: 420 North Plain Street
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 392.04
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB162 (13-13.5) and SB162 (19-20) were analysed for VOCs, SVOCs, and Cyanide.

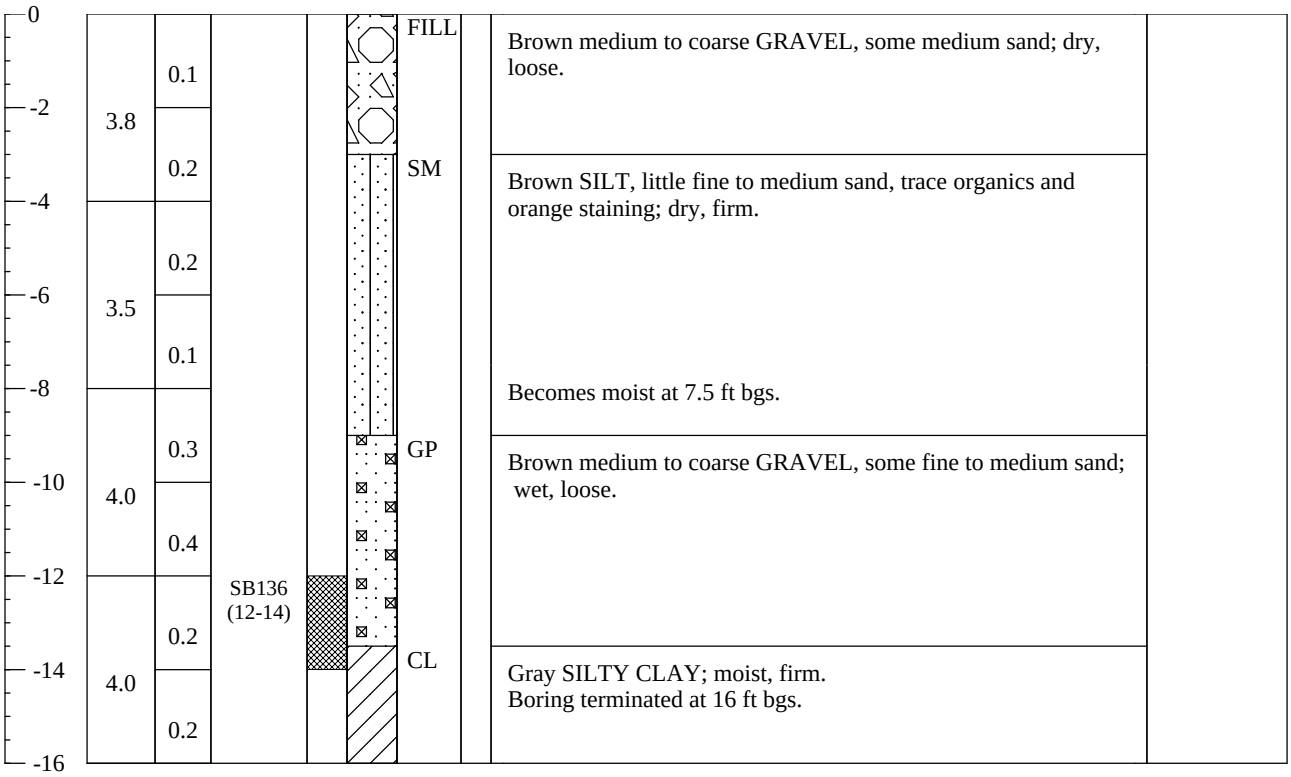
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB163

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 24, 2010
Boring Location: 420 North Plain Street
Drilling Company: AECOM

Drill Rig: Mini-Sonic
Sampling Method: 4 ft Macro-core
Ground Elevation (ft/msl, NAVD 88): 391.75
Total Depth: 16.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB163 (12-14) was analyzed for VOCs, SVOCs, and Cyanide.

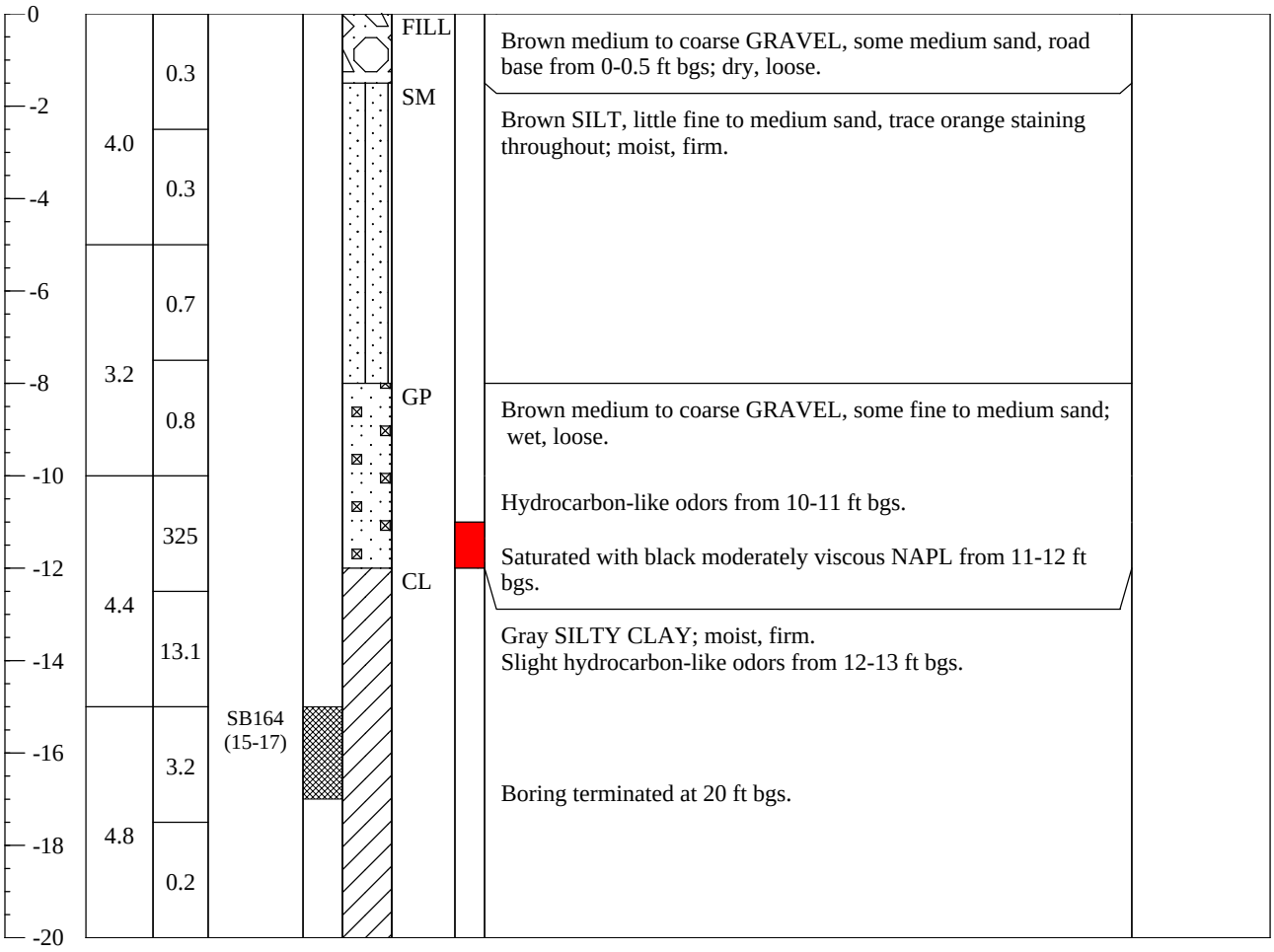
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB164

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 25, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.95
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB164 (15-17) was analysed for VOCs, SVOCs, and Cyanide.

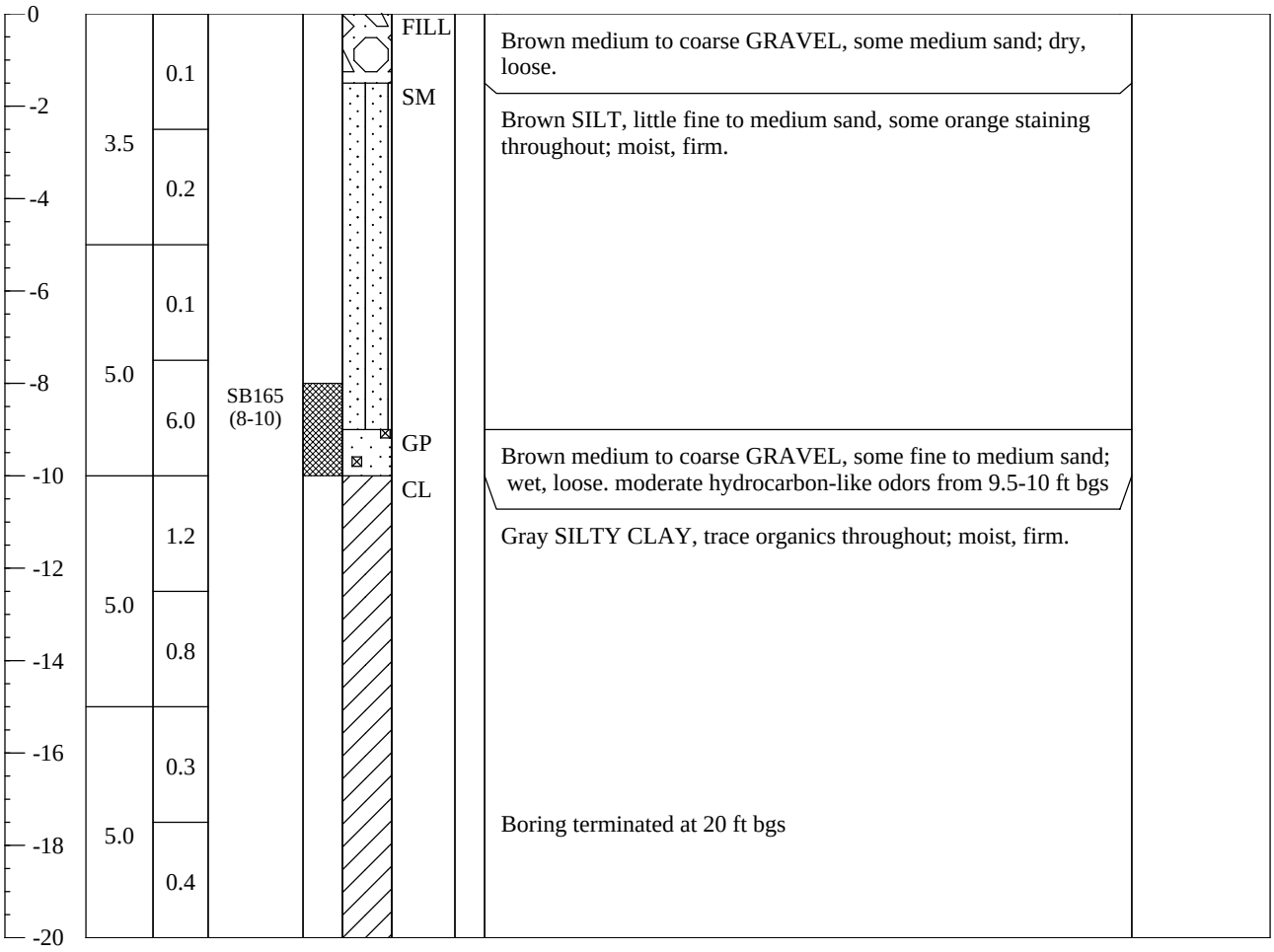
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1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB165

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 25, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 392.11
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB165 (8-10) was analysed for VOCs, SVOCs, and Cyanide.

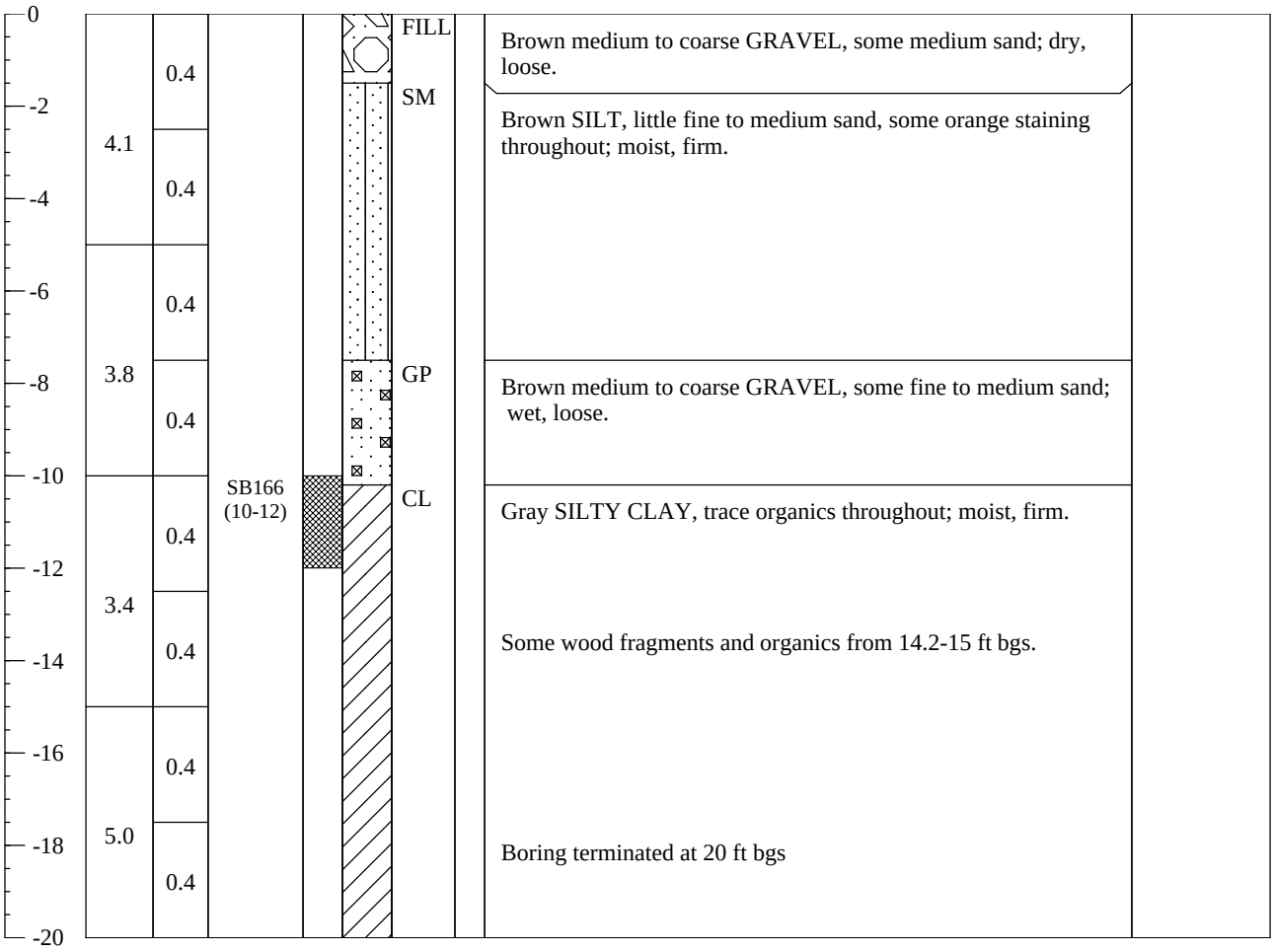
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB166

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 25, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 392.42
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB166 (10-12) was analysed for VOCs, SVOCs, and Cyanide.

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1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB167

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 25, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 392.72
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	3.6	0.2				SM		Brown SILT, little fine to medium sand, some orange staining throughout; moist, firm.	
-2		0.3							
-4		0.2							
-6	2.7	0.1				GP		Brown medium to coarse GRAVEL, some fine to medium sand; wet, loose.	
-8		0.2						Slight hydrocarbon-like odors from 10-15 ft bgs.	
-10	3.3	0.3							
-12		0.3	SB167 (16-17.5)						
-14	5.0	0.4				CL		Gray SILTY CLAY, trace organics throughout; moist, firm. Boring terminated at 20 ft bgs	
-16									
-18									
-20									

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB167 (16-17.5) was analysed for VOCs, SVOCs, and Cyanide.

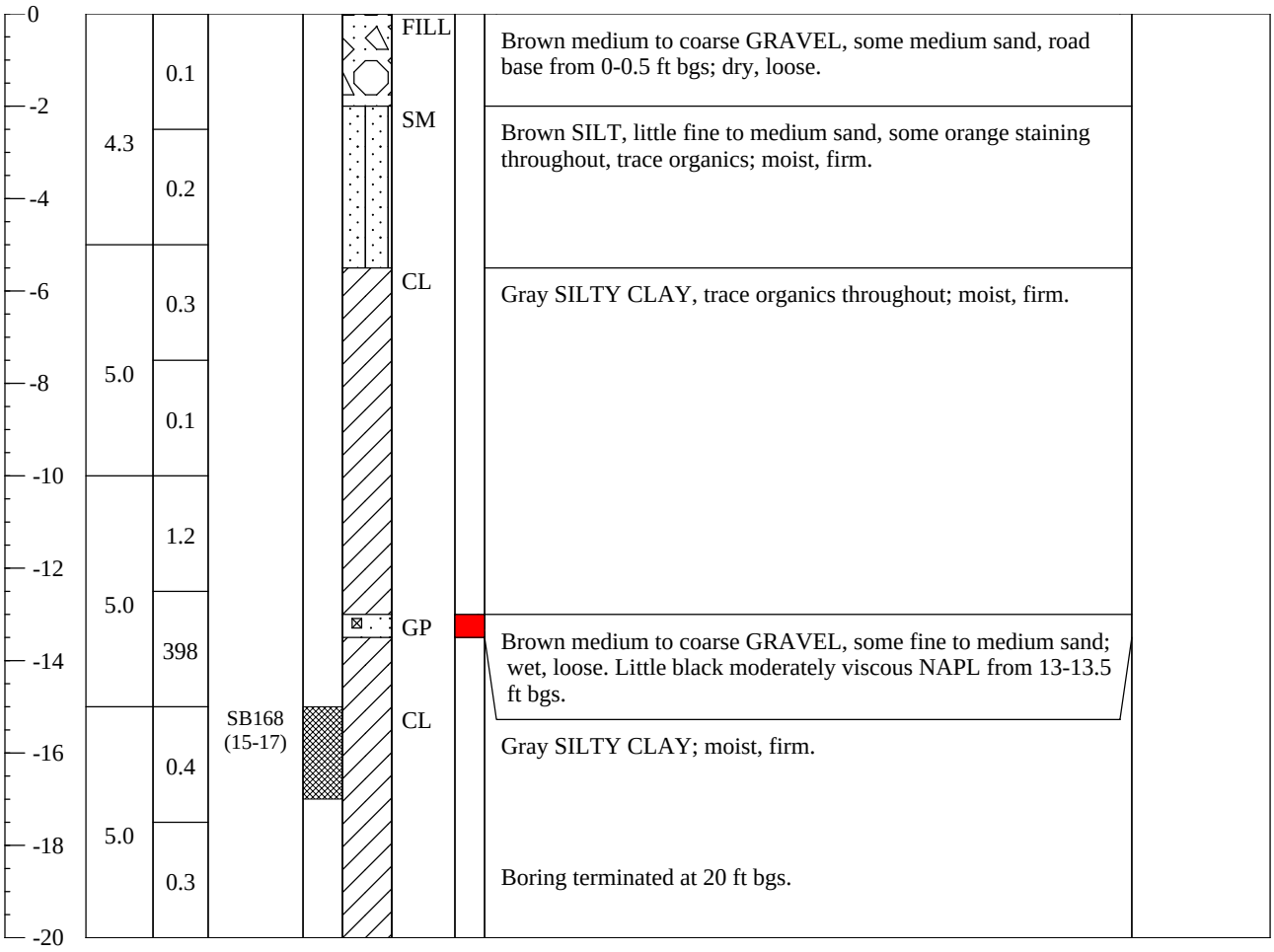
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1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB168

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 24, 2010
Boring Location: Intersection of Esty and N. Plain
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.98
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil sample SB168 (15-17) was analysed for VOCs, SVOCs, and Cyanide.

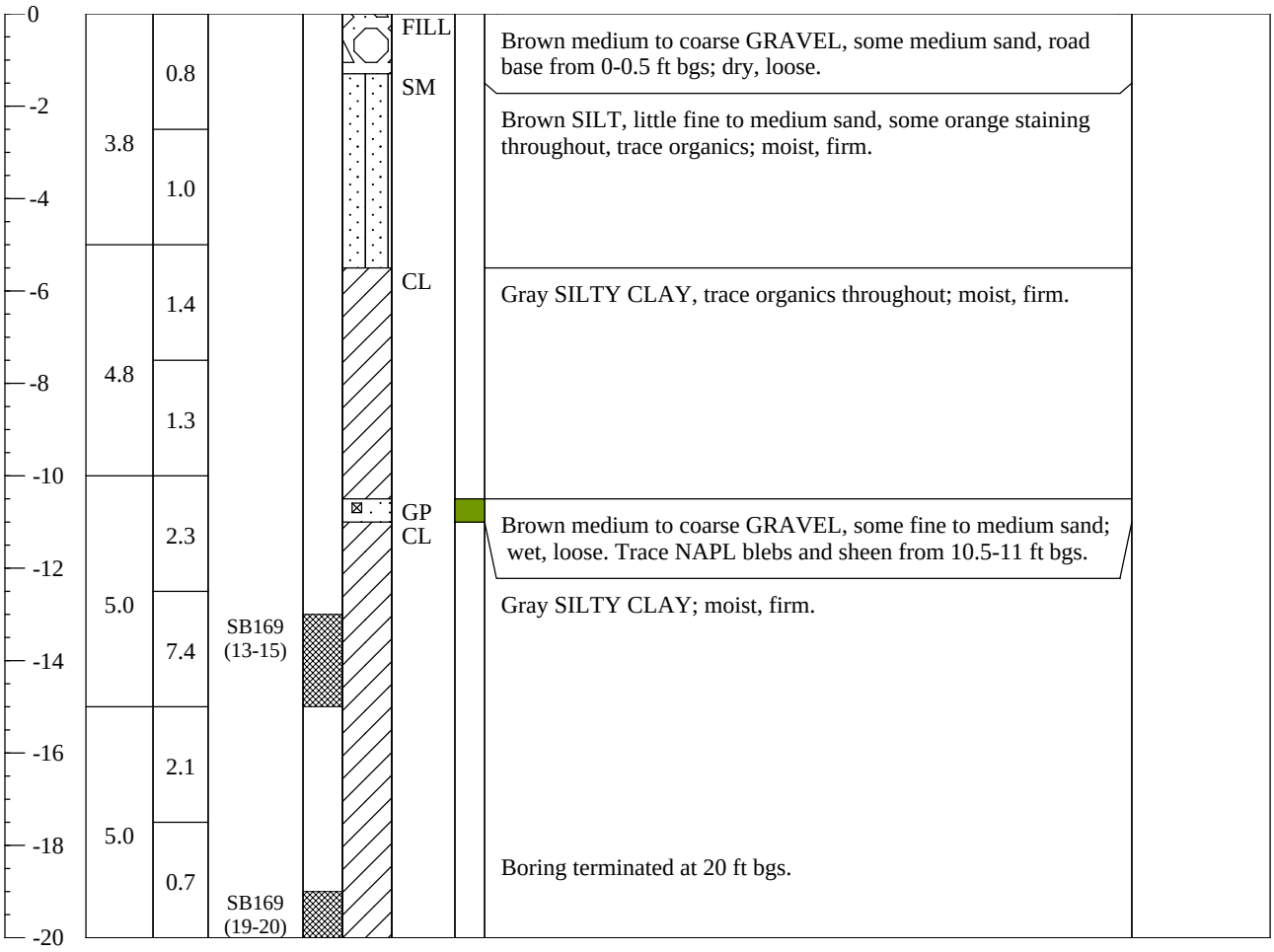
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1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB169

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 25, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.75
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB169 (13-15) and SB169 (19-20) were analysed for VOCs, SVOCs, and Cyanide.

AECOM

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Ithaca, New York, 14850

Boring ID: SB170

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 25, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.79
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks
0	0.1	NA				FILL		No recovery. Large rock in tip of core barrel.	
-2		NA							
-4									
-6	3.0	0.4				CL		Gray SILTY CLAY, trace organics throughout; moist, firm.	
-8		3.8				GP		Brown medium to coarse GRAVEL, some fine to medium sand; wet, loose.	
-10								Trace NAPL blebs and hydrocarbon-like staining from 10.5-11 ft bgs.	
-12	5.0	17.8				CL		Gray SILTY CLAY; moist, firm.	
-14		35.3							
-16		0.4						Trace fine sand from 19.8-20 ft bgs	
-18	5.0	0.6						Boring terminated at 20 ft bgs.	
-20									

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments:

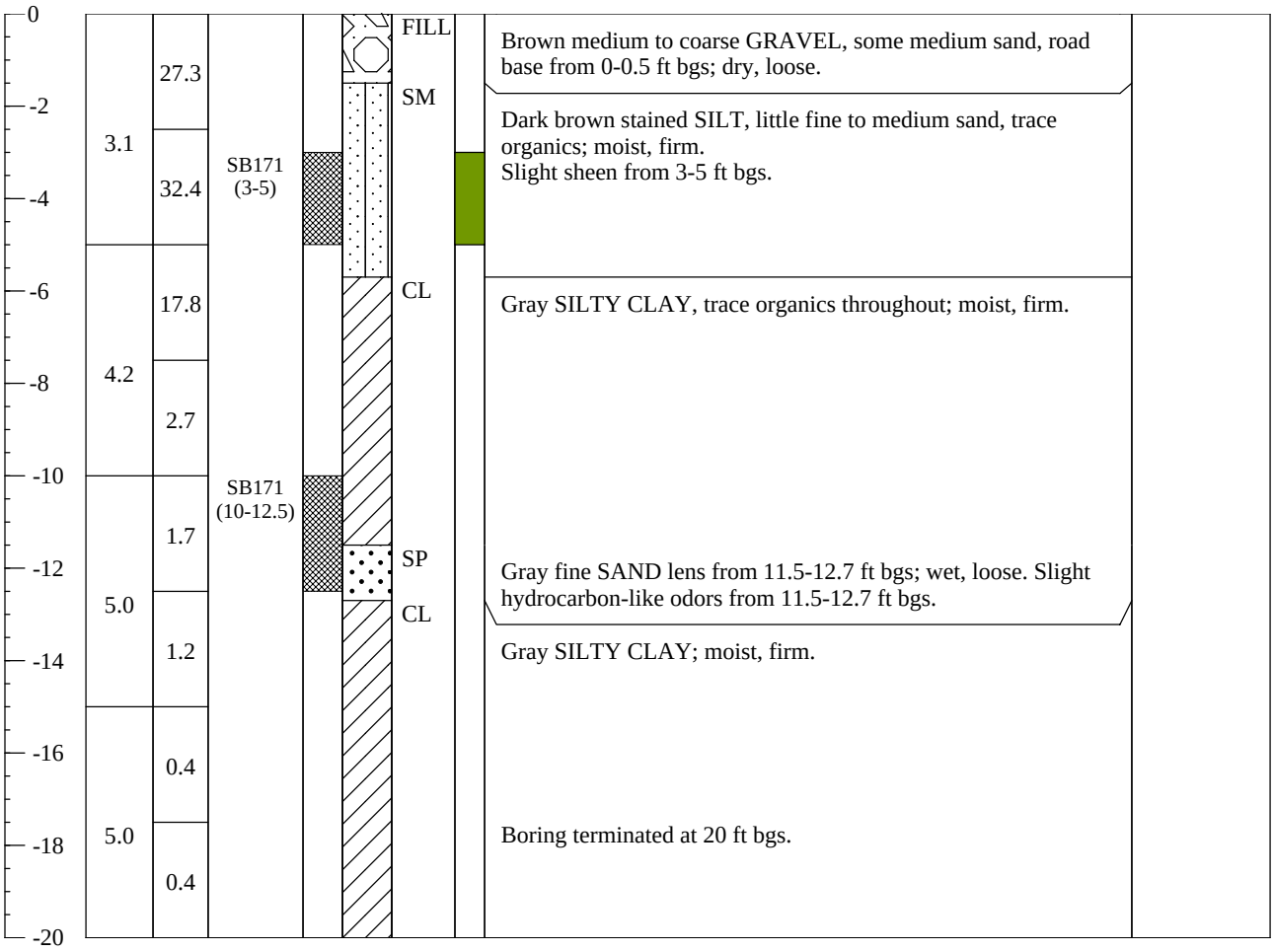
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB171

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 25, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.76
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments: Soil samples SB171 (3-5) and SB171 (10-12.5) were analyzed for VOCs, SVOCs, and Cyanide.

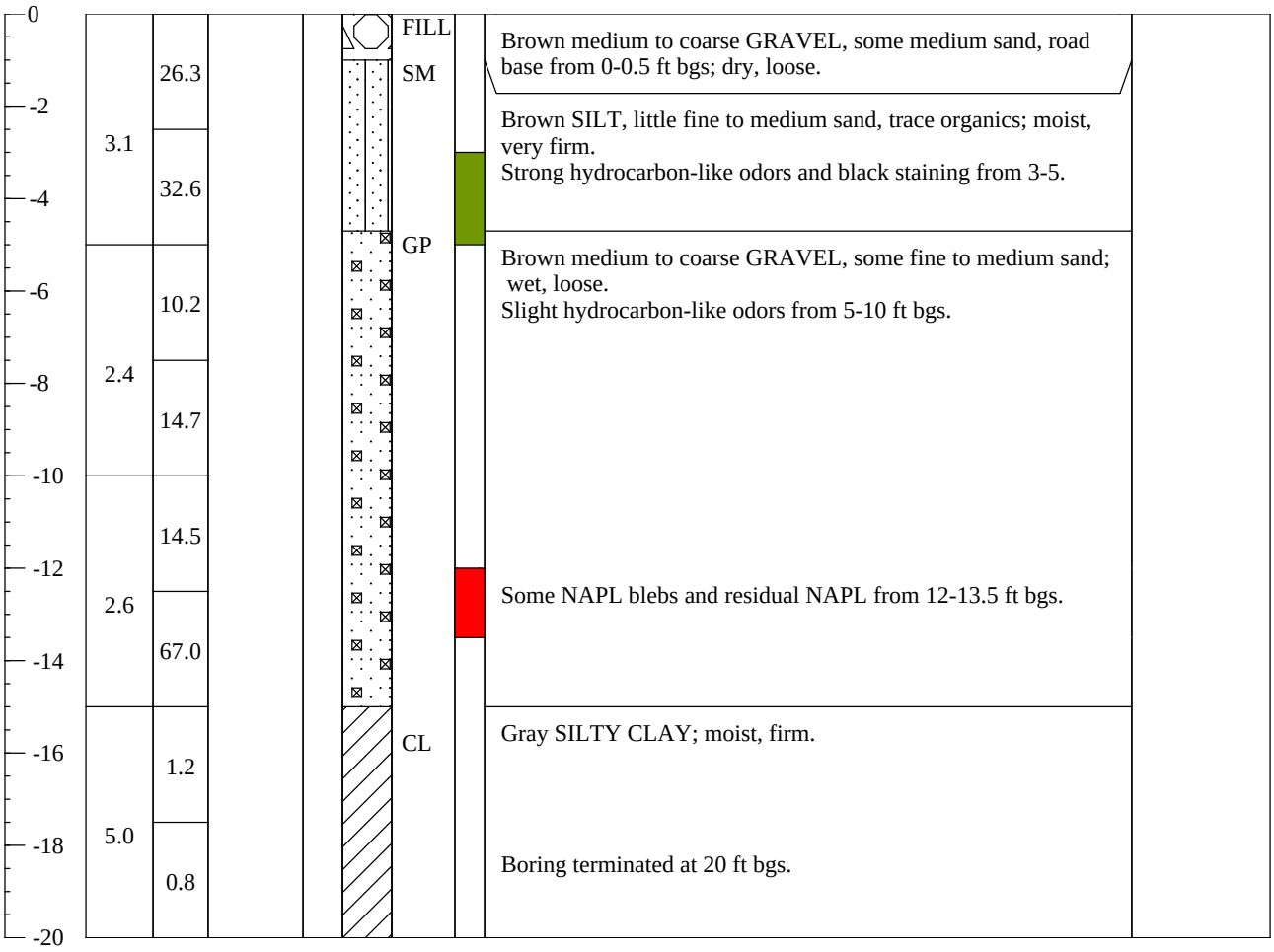
AECOM

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Ithaca, New York, 14850

Boring ID: SB172

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 25, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.64
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

Comments:

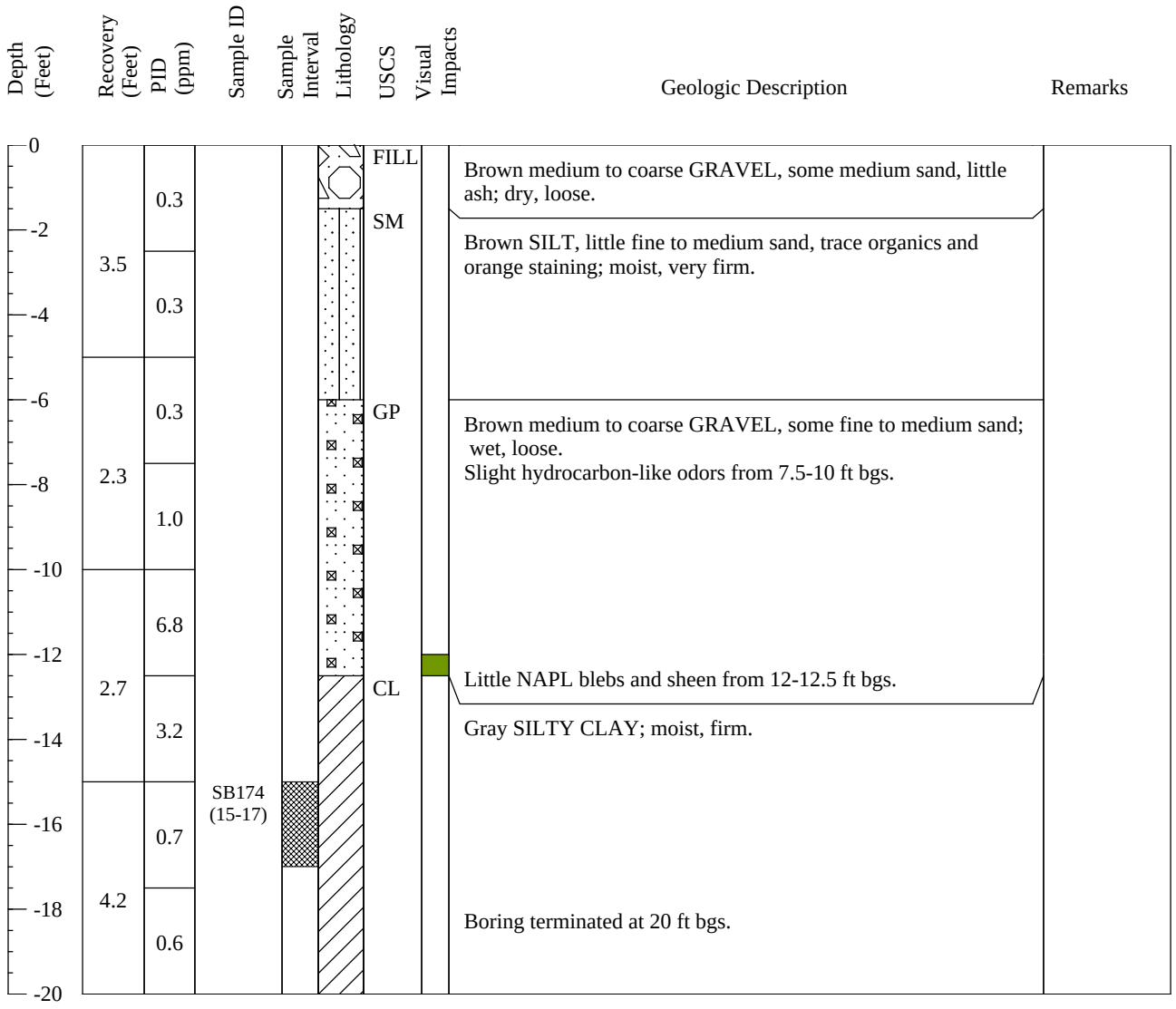
AECOM

1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: SB174

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 25, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 392.59
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

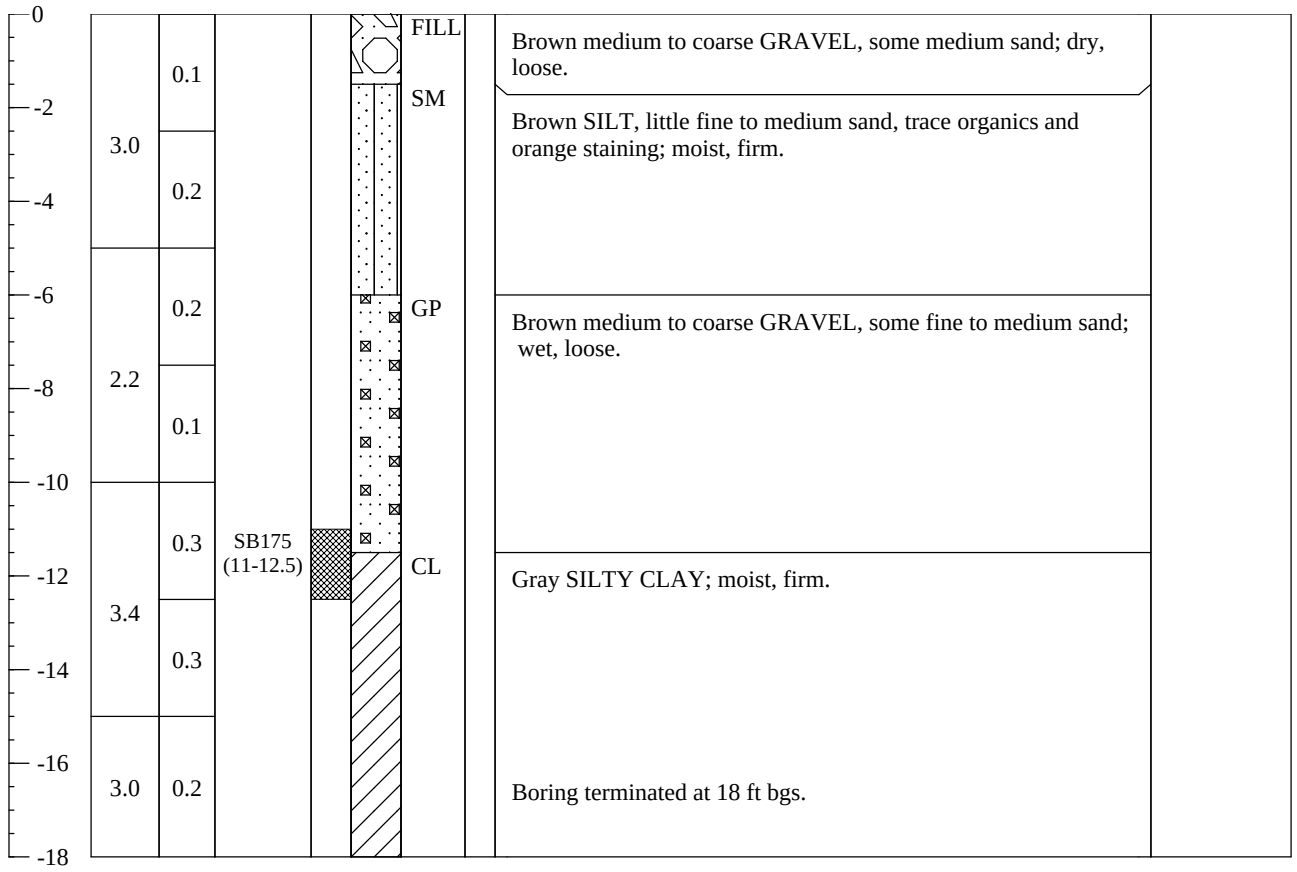
Comments: Soil sample SB174 (15-17) was analyzed for VOCs, SVOCs, and Cyanide.

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Boring ID: SB175

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 26, 2010
Boring Location: Esty Street, adjacent to 420 N. Plain
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 391.50
Total Depth: 18.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

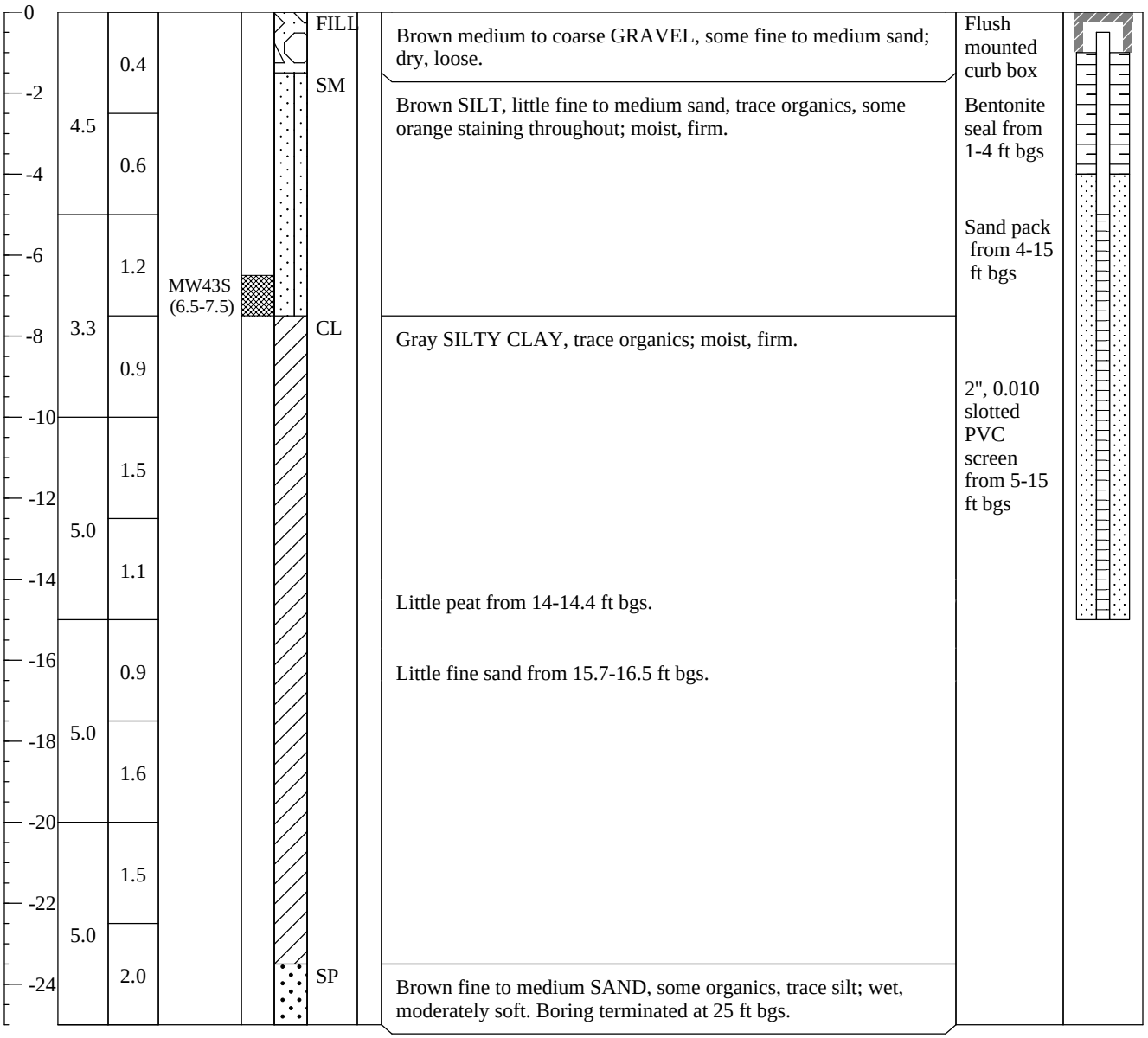
Comments: Soil sample SB175 (11-12.5) was analyzed for VOCs, SVOCs, and Cyanide.

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Well ID: MW43S

Project Name: Ithaca Court Street OU-2
NYSEG/Project Number: NYSEG/60143516
Date Started/Date Completed: February 12, 2010
Boring Location: Intersection of N. Plain and Esty
Drilling Company: Aquifer Drilling and Testing

Sampling Method: 5 ft Sonic Core Barrel
PVC Elevation (ft/msl, NAVD 88): 391.53
Ground Elevation (ft/msl, NAVD 88): 391.94
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

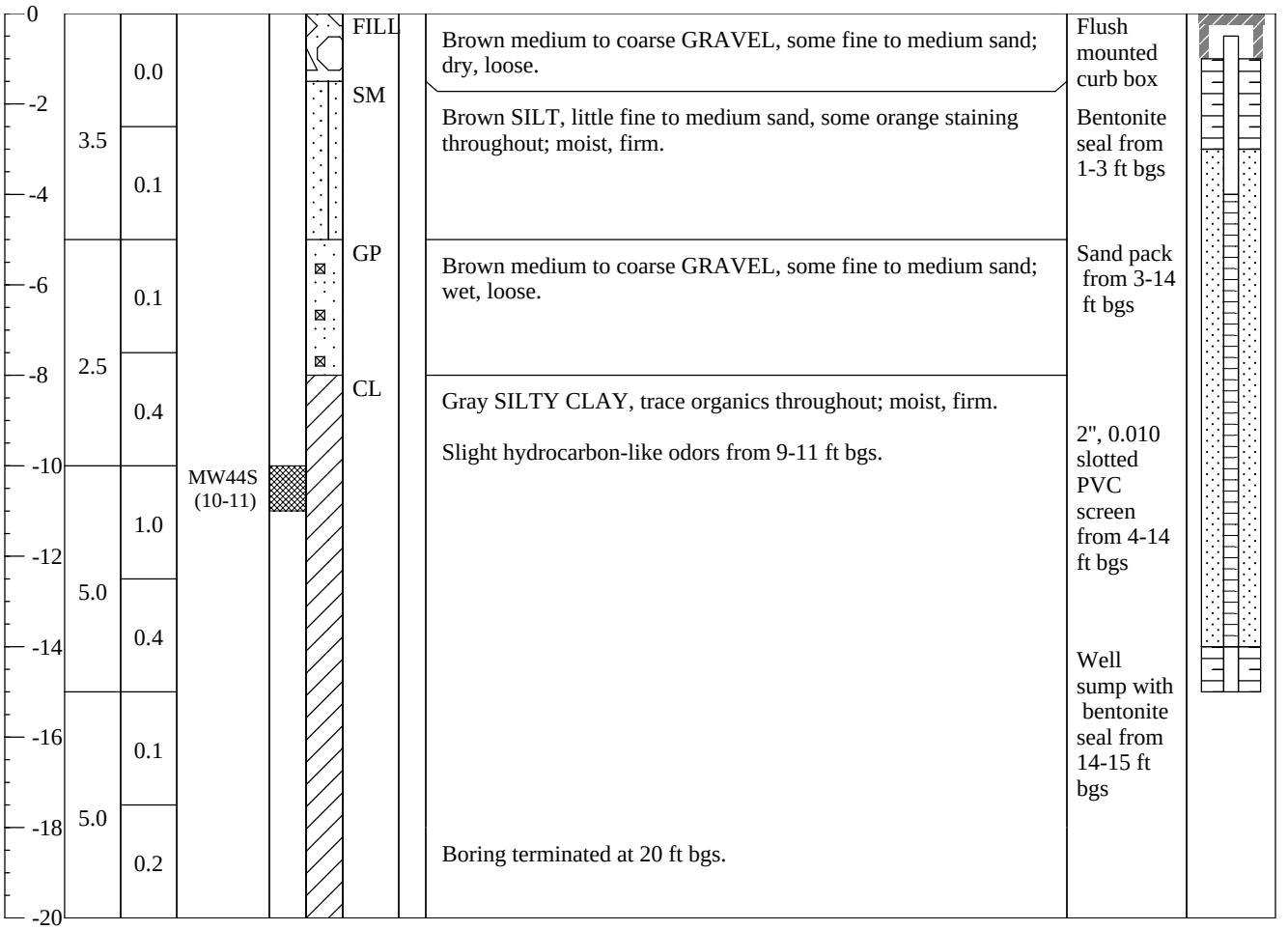
Comments: Soil sample MW43S (6.5-7.5) was analyzed for VOCs, SVOCs, and Cyanide.

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Well ID: MW44S

Project Name: Ithaca Court Street OU-2
NYSEG/Project Number: NYSEG/60143516
Date Started/Date Completed: February 23, 2010
Boring Location: N. Plain Street, West of OU-1
Drilling Company: Aquifer Drilling and Testing

Sampling Method: 5 ft Sonic Core Barrel
PVC Elevation (ft/msl, NAVD 88): 391.91
Ground Elevation (ft/msl, NAVD 88): 392.12
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

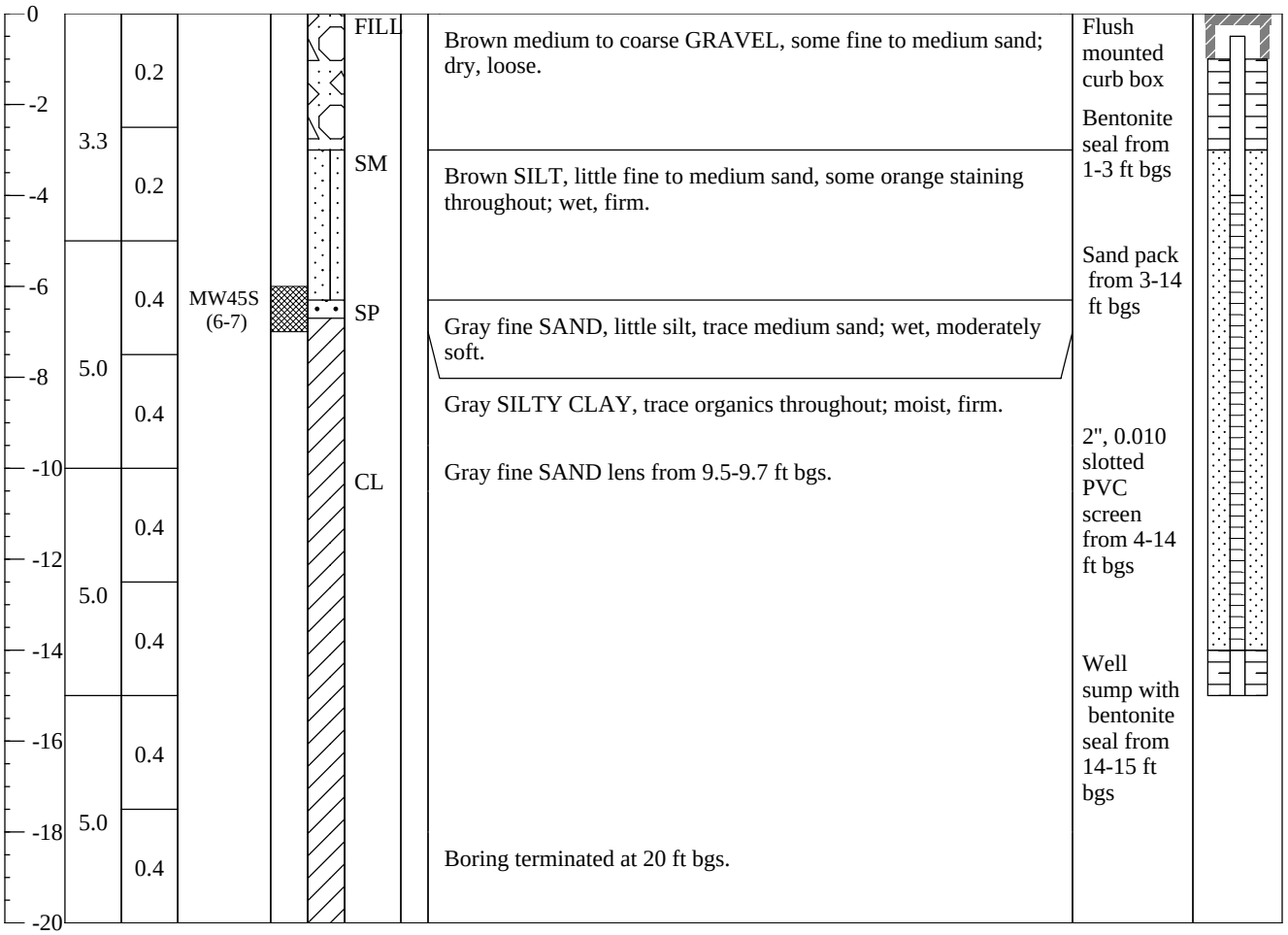
Comments: Soil sample MW44S (10-11) was analyzed for VOCs, SVOCs, and Cyanide.

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Well ID: MW45S

Project Name: Ithaca Court Street OU-2
NYSEG/Project Number: NYSEG/60143516
Date Started/Date Completed: February 22, 2010
Boring Location: Esty Street. West of Washington
Drilling Company: Aquifer Drilling and Testing

Sampling Method: 5 ft Sonic Core Barrel
PVC Elevation (ft/msl, NAVD 88): 386.70
Ground Elevation (ft/msl, NAVD 88): 387.01
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

Comments: Soil sample MW45S (6-7) was analyzed for VOCs, SVOCs, and Cyanide.

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Well ID: MW46S

Project Name: Ithaca Court Street OU-2
NYSEG/Project Number: NYSEG/60143516
Date Started/Date Completed: February 15, 2010
Boring Location: Washington Street, South of Esty
Drilling Company: Aquifer Drilling and Testing

Sampling Method: 5 ft Sonic Core Barrel
PVC Elevation (ft/msl, NAVD 88): 387.21
Ground Elevation (ft/msl, NAVD 88): 387.58
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks	Well Construction
0						FILL		No recovery 0-5 ft bgs. Large rock fragment in tip of core barrel.	Flush mounted curb box Cement grout from 1-5 ft bgs	
-2	0									
-4										
-6	2.3	0.6						Brown medium to coarse GRAVEL, some fine to medium sand; dry, loose.	Bentonite seal from 5-7 ft bgs	
-8		6.4							Sand pack from 7-18 ft bgs	
-10	1.8	13.1						Slight hydrocarbon-like odors from 10-15 ft bgs.		
-12		10.2							2", 0.010 slotted PVC screen from 8-18 ft bgs	
-14										
-16	5.0	32.1	MW46S (15-16)			CL		Gray SILTY CLAY, trace organics; moist, firm.		
-18		2.8	MW46S (18-20)					Slight hydrocarbon-like odors from 19-20 ft bgs.		
-20	5.0	1.8								
-22										
-24		1.9				SP		Gray fine to medium SAND, some peat, trace silt; wet, moderately soft. Boring terminated at 25 ft bgs.		

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

Comments: Soil samples MW46S (15-16) and WM46S (18-20) were analyzed for VOCs, SVOCs, and Cyanide.

AECOM
1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Well ID: MW47S

Project Name: Ithaca Court Street OU-2
NYSEG/Project Number: NYSEG/60143516
Date Started/Date Completed: February 17, 2010
Boring Location: Washington Street, North of Esty
Drilling Company: Aquifer Drilling and Testing

Sampling Method: 5 ft Sonic Core Barrel
PVC Elevation (ft/msl, NAVD 88): 387.45
Ground Elevation (ft/msl, NAVD 88): 387.77
Total Depth: 25.0 ft bgs
Logged By: K. Stahle/J.Lloyd

Depth (Feet)	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Visual Impacts	Geologic Description	Remarks	Well Construction
0	4.0	0.5	MW47S (5.5-7.5)			FILL		Brown medium to coarse GRAVEL, some fine to medium sand; dry, loose.	Flush mounted curb box	
-2									Bentonite seal from 1-4 ft bgs	
-4		0.5				SM		Brown SILT, little fine to medium sand, trace organics, some orange staining throughout; moist, firm.		
-6	5.0	0.4							Sand pack from 4-15 ft bgs	
-8		0.3				CL		Gray SILTY CLAY, trace organics throughout; moist, firm.		
-10	4.8	0.4							2", 0.010 slotted PVC screen from 5-15 ft bgs	
-12		0.5								
-14	4.7	0.5								
-16		0.4								
-18										
-20	2.5	0.3				SP		Brown fine to medium SAND, some organics, little silt; wet, moderately soft.		
-22		0.4						Boring terminated at 25 ft bgs.		
-24										

Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

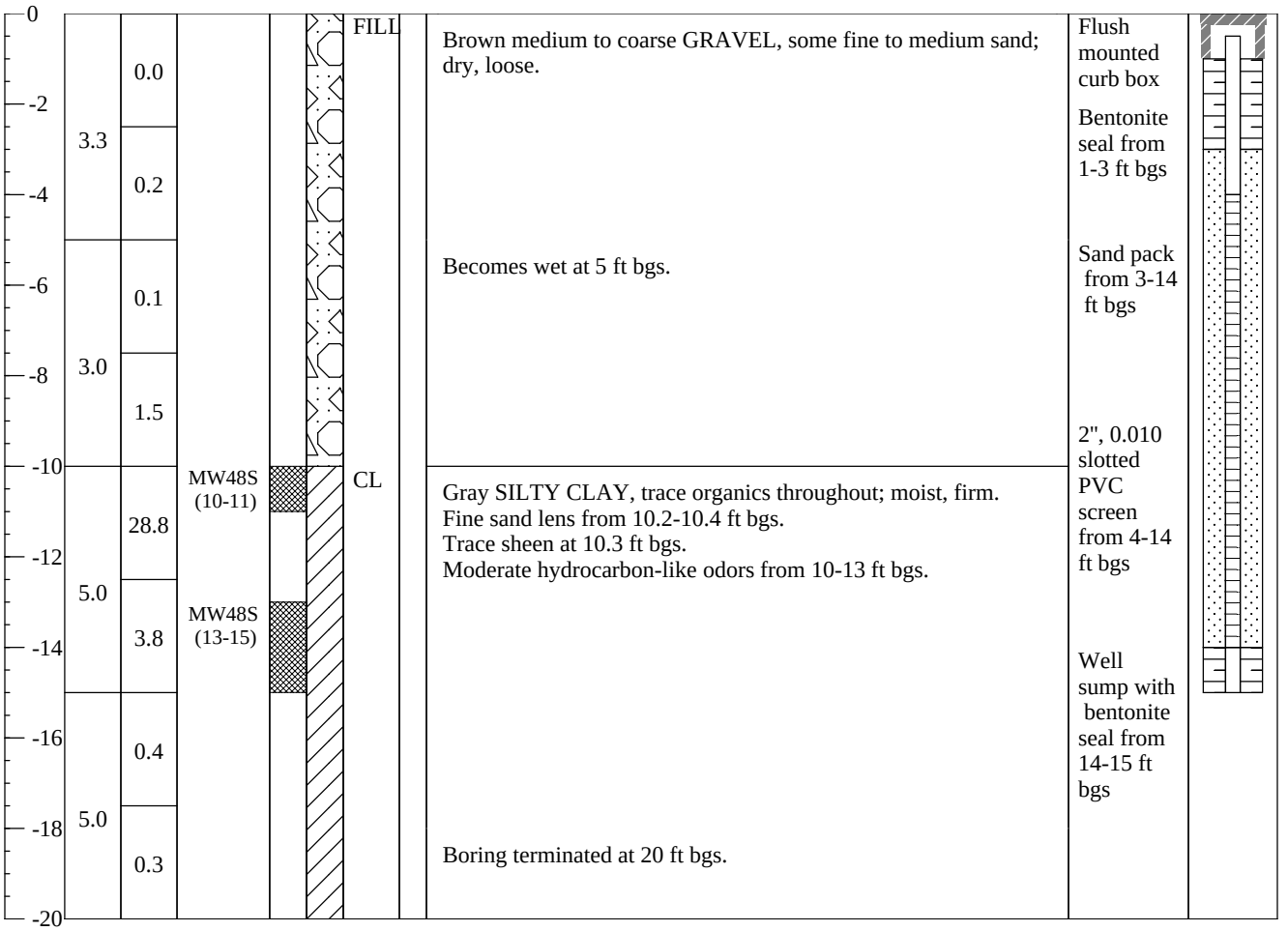
Comments: Soil sample MW47S (5.5-7.5) was analyzed for VOCs, SVOCs, and Cyanide.

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Well ID: MW48S

Project Name: Ithaca Court Street OU-2
NYSEG/Project Number: NYSEG/60143516
Date Started/Date Completed: February 22, 2010
Boring Location: Intersection of Esty and Washington
Drilling Company: Aquifer Drilling and Testing

Sampling Method: 5 ft Sonic Core Barrel
PVC Elevation (ft/msl, NAVD 88): 386.85
Ground Elevation (ft/msl, NAVD 88): 387.15
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

Comments: Soil samples MW48S (10-11) and MW48S (13-15) were analyzed for VOCs, SVOCs, and Cyanide.
Duplicate soil sample MW480S (10-11) was also analyzed for VOCs, SVOCs, and Cyanide.

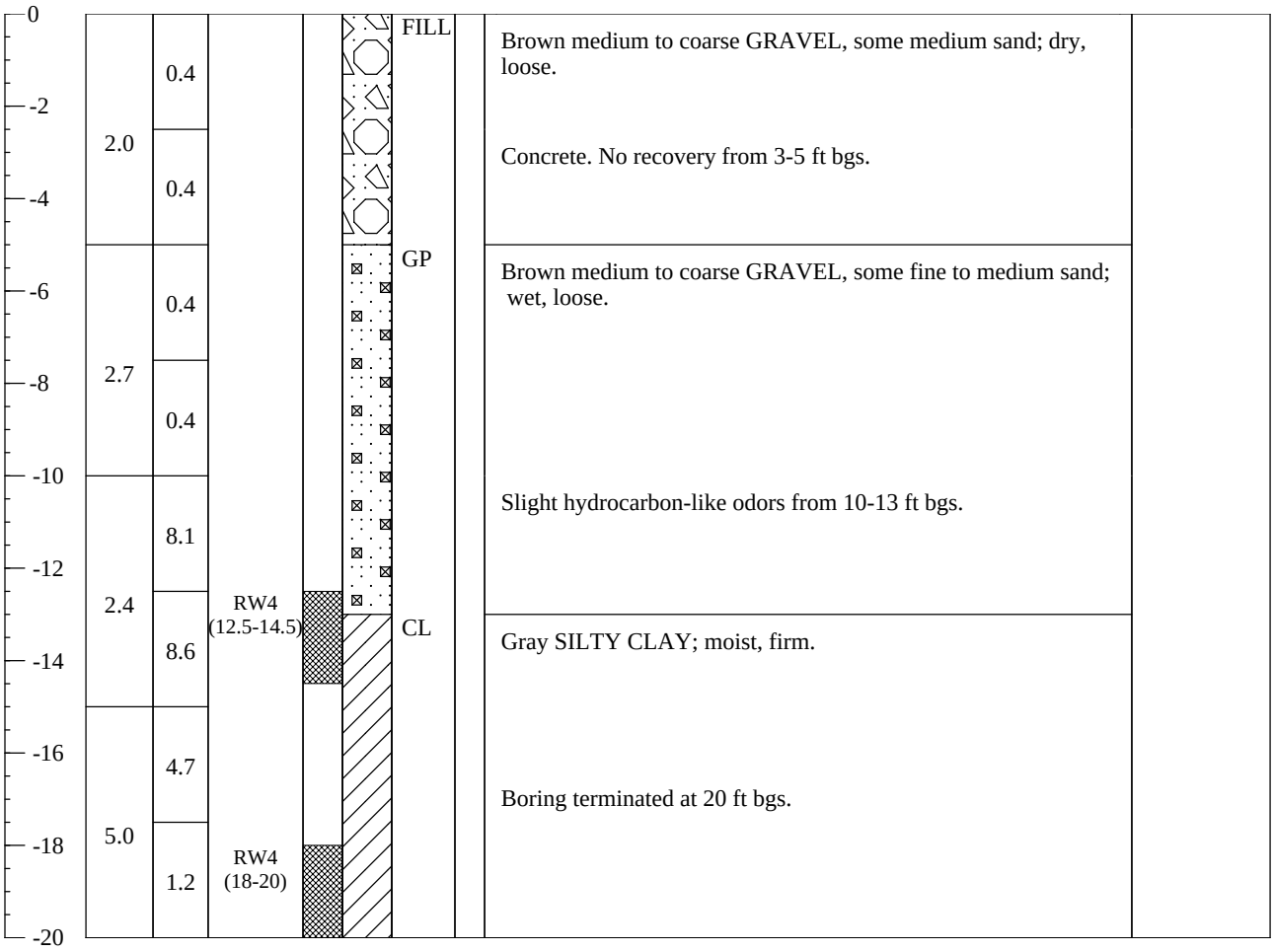
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1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: RW4

Project Name: Ithaca Court Street OU-2
Client/Project Number: NYSEG/60143516
Date Started/Completed: February 23, 2010
Boring Location: Esty Street, North of OU-1
Drilling Company: Aquifer Drilling and Testing

Drill Rig: Mini-Sonic
Sampling Method: 5 ft Sonic Core Barrel
Ground Elevation (ft/msl, NAVD 88): 392.20
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil Hydrocarbon Staining, Sheen, NAPL Blebs, or NAPL Stringers

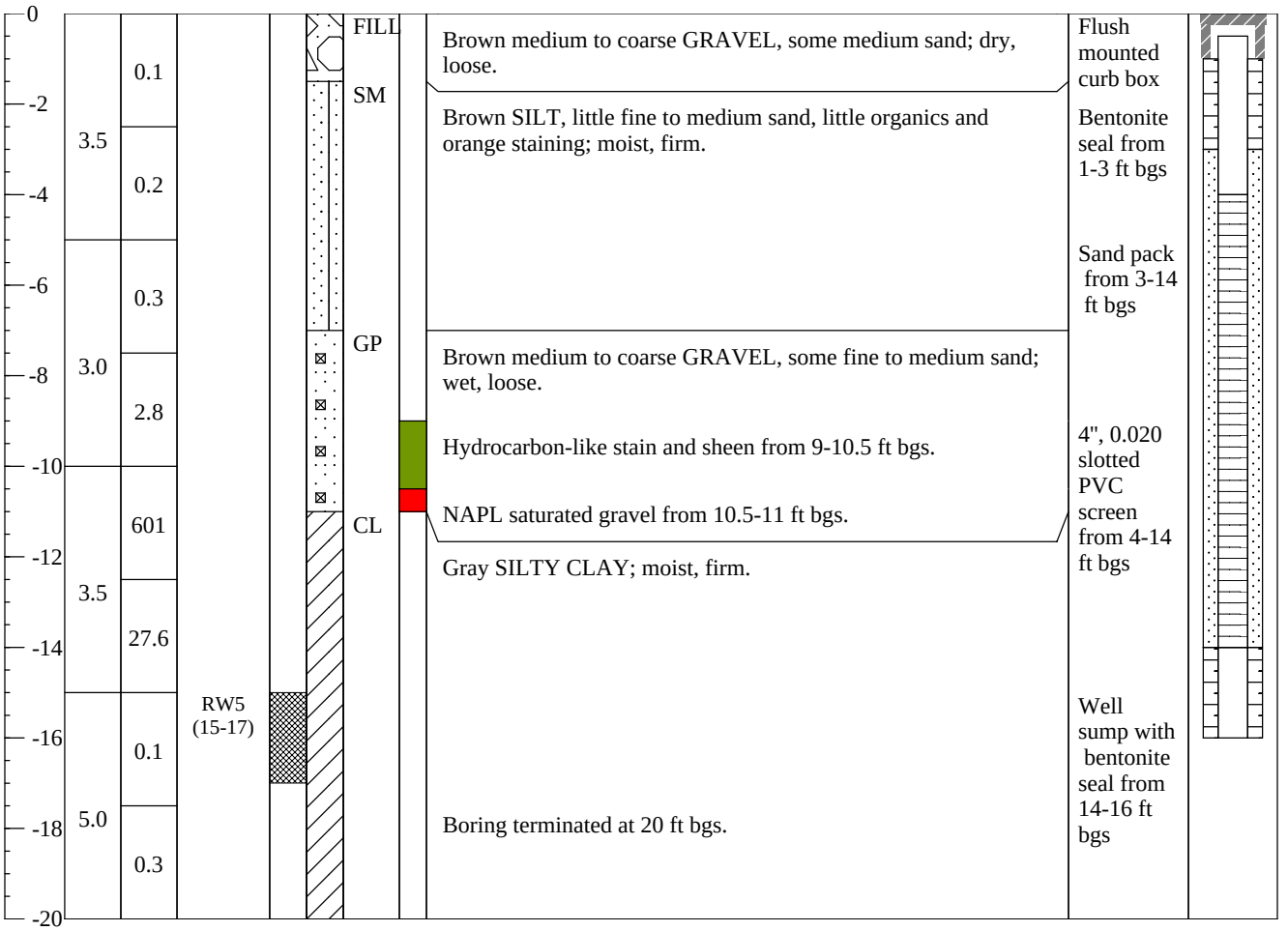
Comments: Soil samples RW4 (12.5-14.5) and RW4 (18-20) were analyzed for VOCs, SVOCs, and Cyanide.
This boring was not completed as a recovery well.

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Well ID: RW5

Project Name: Ithaca Court Street OU-2
NYSEG/Project Number: NYSEG/60143516
Date Started/Date Completed: February 24, 2010
Boring Location: Esty Street, West boundary of OU-1
Drilling Company: Aquifer Drilling and Testing

Sampling Method: 5 ft Sonic Core Barrel
PVC Elevation (ft/msl, NAVD 88): 391.69
Ground Elevation (ft/msl, NAVD 88): 391.90
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

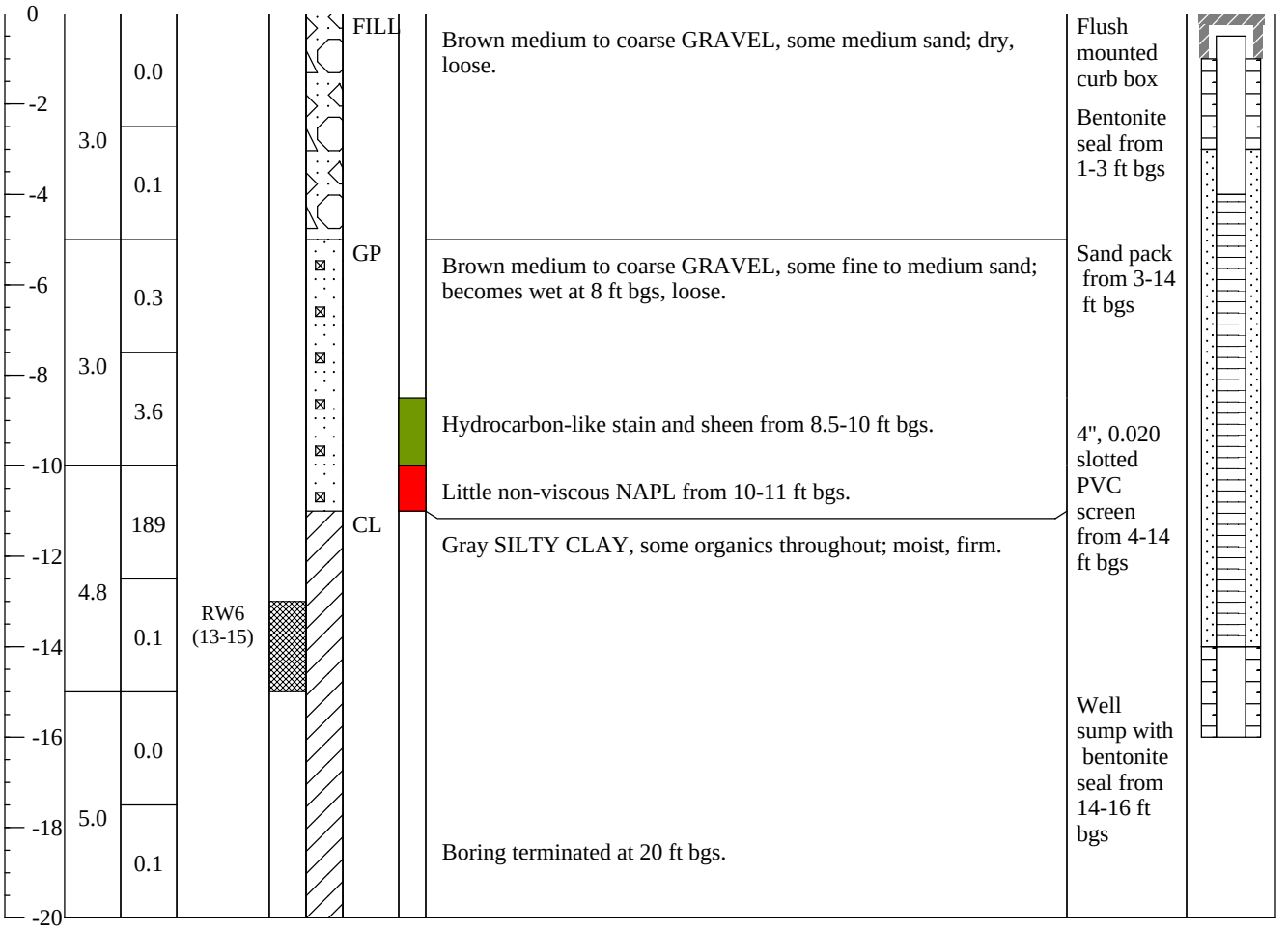
Comments: Soil sample RW5 (15-17) was analyzed for VOCs, SVOCs, and Cyanide.

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Well ID: RW6

Project Name: Ithaca Court Street OU-2
NYSEG/Project Number: NYSEG/60143516
Date Started/Date Completed: February 24, 2010
Boring Location: Esty Street, North boundary of OU-1
Drilling Company: Aquifer Drilling and Testing

Sampling Method: 5 ft Sonic Core Barrel
PVC Elevation (ft/msl, NAVD 88): 392.95
Ground Elevation (ft/msl, NAVD 88): 393.18
Total Depth: 20.0 ft bgs
Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil

Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

Comments: Soil sample RW6 (13-15) was analyzed for VOCs, SVOCs, and Cyanide.

Historical Soil Boring and Well Construction Logs

February 2011

Drilling Log

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Soil Boring SB-13

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *394.5 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/07/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Top .5' is asphalt-then sand and gravel, has MGP/asphalt like odor-bottom 1' is light gray with orange mottling, silty clay tight dry, clay has some odor with some staining in 1st .3'.
2	5.6	N/A 2.5/4		SP-SM	
4					4-8': .5' is silty clay-next .3' is medium, gray, sand with MGP like odor-then .4' of silty clay w/odor-remainder is sand and gravel with MGP like odor, water in entire tube, no sheen on water.
6	6.2	N/A 2.5/4		SC	
8					8-12': All sand and gravel-mostly gravel, all saturated has odor, possibly a slight sheen-bottom .3' is dark gray silty clay, soft, no odor, may have hit clay at 10.5'-hammer was very easy, will attempt to get another sample.
10	6.5	N/A 1.5/4		GP	
12					12-16': All we recovered was some sluff, loose pieces of gravel-silty water.
14	N/A	N/A 0/4			
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring **SB-14**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *394.6 ft.* Total Hole Depth *10.5 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/07/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Got refusal at ~3' at original location, moved ~5'south;asphalt .3' thick then sand and gravel 1' thick, .8' of red brick material, .1' of gravel, then NAPL is present in sand and gravel and in silty clay, strong MGP odor and sheen.
2	79.4	N/A 2.5/4		GP	
4					4-8': Clayey sand and gravel, NAPL very sticky possibly product- bottom 1 is silty clay, NAPL present, very strong odor, little tar present.
6	879	N/A 1.5/4		CL	
8					8-12': Refusal at 10.5'BGS on concrete, some sluff from above- remainder is silty clay, soft, saturated with NAPL, strong odor and sheen.
10	923	N/A 1.5/2.5		CL	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-15

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 394.8 ft. Total Hole Depth 16 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/07/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': .3' of asphalt base fill-sand and gravel with some ash fill- bottom .7' is fine silty sand, light gray with some orange mottling.
2	0.3	N/A 2.5/4		GP-GM	
4					4-8': Silty light gray clay, with orange mottling, at 7.3', .1' thick sand lens, wet, then back to silty clay until 7.8' which turns to clay-7.3' down has faint odor, no sheen or NAPL.
6	0.8	N/A 3/4		SM-SC	
8					8-12': Top 1.7' is light gray silty clay-next 10" thick sand lens, saturated, heavy sheen of NAPL-remainder of tube is dark gray silty clay, faint odor, no sheen.
10	57.8	N/A 4/4		SM-SC	
12					12-16': What recovered appeared to be sluff.
14	N/A	N/A 4/4			
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-16

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *395.0 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/12/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': .5' of asphalt–remainder is fine–medium sand, slag, ash, some pieces of dishes, fill, no odors or staining.
2	0.2	N/A 2/4		SP	
4					4–8': Wet–saturated medium sand, fining with depth to silty clay ~7' BGS, faint odor at clay interface, maybe organic, decomposing odor, transitions from brown to gray with depth.
6	1.9	N/A 2.5/4		SP	
8					8–12': Silty, gray clay, no staining, no odor, wet.
10	0.0	N/A 2/4		CL	
12					12–16': Silty gray clay, no odor or staining, wet, soft.
14	0.0	N/A 2/4		CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-17

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *395.1 ft.* Total Hole Depth *12 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/12/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': .5' of asphalt-fine-medium sand, some fine-coarse gravel, slag, brick debris, pieces of glass, fill, moist, no odors or staining.
2	0.0	N/A 2.5/4		SP	
4					4-8': .5' of fill-then gray silty clay, little fine sand with orange mottling-transitioning to silty gray clay at 7.5'BGS, no odors or staining, moist.
6	0.1	N/A 4/4		CL	
8					8-12': Gray, silty clay, wet, sand lens at 10.5'-10.7'BGS, saturated, and another lens at 11.2'-11.5'BGS saturated, no odors or staining.
10	0.7	N/A 3/4		CL	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-18

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 395.6 ft. Total Hole Depth 16 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/09/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Brown topsoil-fine-medium sand, moist, tight, organics present, no odors or staining.
2	0.0	N/A 2.5/4		SP	
4					4-8': Fine-medium sand, coarsening to sand and gravel at 7'BGS, no odor or staining, moist.
6	0.0	N/A 3/4		SP	
8					8-12': Saturated sand and gravel, no staining or odors.
10	0.0	N/A 1/4		GP	
12					12-16': 2.5' same as above-then darker gray silty clay, no odors or staining.
14	0.0	N/A 4/4		GP-CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-19

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *396.0 ft.* Total Hole Depth *12 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/09/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Brown topsoil 1'–then fine silty sand, gray with orange mottling –bottom 1' is dark brown fine sand, clayey texture.
2	0.0	N/A 3/4		SM	
4					4–8': Top 2' is silty gray clay with orange mottling, 6'–6.8'BGS is clayey sand–remainder of tube is silty gray clay, moist.
6	0.0	N/A 4/4		CL	
8					8–12': 1.5' of brown silty clayey fine sand–then darker gray, silty clay, no odors or staining.
10	0.0	N/A 4/4		CL-ML	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-20

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 395.1 ft. Total Hole Depth 20 ft. Diameter
Top of Casing Water Level Initial 9 ft. Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/09/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Brown topsoil–bottom .8' is sand and gravel withsome ash/slag fill.
2	0.0	N/A 2/4		GP	
4					4–8': Clayey fine sand/topsoil, organics present–bottom .3' is medium sar has septic odor, moist, no staining, dark brown to black.
6	0.0	N/A 2.5/4		SC	
8					8–12': Top .3' is fine gravel, coarsening downward to fine–coarse gravel, wet, saturated, no odor or staining.
10	0.5	N/A 1.3/4		GP	
12					12–16': Saturated, sand and gravel–bottom .5' is all wood, doesn't appear to be a root, got refusal at 15'BGS due to root. Move 4' north and pressure was light at ~13'BGS.
14	0.0	N/A 2.5/4		GP	
16					16–20': Top 1' is sand and gravel–saturated, no odor or sheen, then darker gray silty clay, with trace organics, no odors or sheen.
18	0.0	N/A 4/4		GP-CH	
20					
22					
24					

Drilling Log

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Soil Boring SB-21

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 392.8 ft. Total Hole Depth 12 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/25/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Asphalt and base is 1st 1' of tube, tight, dark brown becoming lighter with depth, clayey silt and fine sand, with orange mottling– bottom .5' is more medium–coarse sand, gravel, wet, no odors or staining.
2	3.8	N/A 3/4		SM-SP	
4					4–8': Bottom .3' is sand and gravel, has strong odor, sheen, wet–top .7' is dry sand and gravel with a pieces of brick (red) or red stone, no odor or staining until 7.7'BGS.
6		N/A 1/4		GP	
8					8–12': Saturated NAPL present, very rocky, not taking sample.
10	N/A	N/A 1/4		GP	
12					
14					
16					
18					
20					
22					
24					

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-21a**

Project *NYSEG- Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Surface Elev. *NA* Total Hole Depth *20.0 ft.* North _____ East _____

Top of Casing *NA* Water Level Initial *NA* Static *NA* Diameter *4.25 in.*

Screen: Dia *NA* Length *NA* Type/Size *NA*

Casing: Dia *NA* Length *NA* Type *NA*

Fill Material _____ Rig/Core _____

Drill Co. *ADT* Method *Hollow stem auger*

Driller _____ Log By *John Santcroce* Date *12/19/01* Permit # *NA*

Checked By _____ License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0	0	1 / 50%	1 1 4 6			0.5' topsoil, 0.2' white ash, 0.3' brick
2	0	2 / 40%	8 15 6 5		GP	Medium- fine brown sand and unsorted gravel. Possibly fill material. No staining no odors.
4	0	3 / 50%	2 5 6 7		GP	Sand and gravel, trace silt. no staining, no odor.
6	0	4 / 25%	7 4 3 2		GP	Sand and gravel, saturated with slight MGP like odor, no sheen. Water table at 6' BGS
8	na	5 / 0%	1 4 2 3			0.2' wood material. No soil recovery. No odor, no stain
10	.5	6 / 25%	2 4 2 4		GP	Wood over gray gravel sand and clay, saturated. Possibly sluff. MGP like odor, no sheen
12	1.2	7 / 50%	2 1 7 7		CL ML / GP	0.5' gray silty clay with some fine sand, wet. Then 0.5' saturated medium to fine gravel and sand, trace clay. No odor, no sheen
14	0	8 / 25%	6 3 2 1		GP / CL ML	0.2' Gravel sand, trace clay, then 0.3' Gray silty clay
16	0	9 / 75%	h h 1 2		CL ML	Gray silty clay. No odor, no sheen.
18	0	10 / 100%	1 h h h		CL ML	Wet gray silty clay, trace fine gravel. No odor, no sheen
20						
22						
24						

Drilling Log

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Soil Boring SB-22

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 392.4 ft. Total Hole Depth 16 ft. Diameter
Top of Casing Water Level Initial 6 ft. Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/25/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Top .5' is asphalt-next .5' is gravel base-under is tight silty clay with old petroleum like odor, but goes away with depth, becomes grayish green.
2	2.7	N/A 3/4		CL	
4					4-8': Top 1' is same clay from above-becomes (~6'BGS) fine-medium gray sand, moist, trace fine-coarse gravel, faint MGP like odor, some pieces of wood in tube at 7.8'BGS, wood has strong odor.
6	18.2	N/A 2/4		CL-SP ▽	
8					8-12': More wood in tube, wet, gray, medium sand in bottom .4' of tube -top .6' is same as above, some liquid in tube when brought tip up.
10	10.3	N/A 1/4		SP	
12					12-16': Gray, wet-saturated medium sand, little coarse, little fines, trace coarse gravel at bottom of tube.
14	4.1	N/A 1/4		SP	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-23

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 392.0 ft. Total Hole Depth 16 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/25/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Top .8' was asphalt–next .5' was coarse gravel base–remainder of tube was brown medium–coarse sand and gravel, dry, loose, no odor or staining.
2	11.1	N/A 2.5/4		GP	
4					4–8': No recovery.
6	N/A	N/A 0/4			
8					8–12': Almost no recovery, what we recovered was moist medium–coarse sand, littled clayey silt, no odor or staining.
10	9.1	N/A <.5/4		SP-SM	
12					12–16': Top .5' is fine silty sand, gray–remainder is silty, gray clay slight MGP like odor, soft moist.
14	8.3	N/A 1.5/4		CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring **SB-24**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *392.5 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/25/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': 1' of dark brown topsoil-tight, compact orange-tan ash remainder of tube. Small band of black material ~.8" up from bottom of tube with slight MGP like odor, some coarse-medium sand.
2	7.7	N/A 3/4		SP	
4					4-8': Some ash from above, then turning to silty clay, fairly tight, gray with orange mottling, transitioning into darker gray, softer, moist clay some organics present-bottom has some pieces of wood in tube, no odor or sheen.
6	18.6	N/A 3/4		OH	
8					8-12': Top .5' is soft silty clay-remainder is medium sand, dark gray, some fine, coarse sand, strong odor and sheen-bottom .2' is fine sand, silty clay, dark gray, odor and sheen.
10	63.7	N/A 1.5/4		SM-SC	
12					12-16': Some sloppy material running in from above-bottom .2' was dark gray soft clay, fairly weak odor, no staining accept for what was in contact with material that fell in from above.
14	17.0	N/A 2/4		CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring **SB-25**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *392.6 ft.* Total Hole Depth *18 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/25/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					
2	0.0	N/A 3.5/4		SM	0-4': Top 1' is dark brown topsoil-then 1' of grayish medium sand withsome pieces of red brick, possibly mortar-next .5' is tight silty clay/clayey silt-gray with orange mottling, fairly tight, rest of tube is medium sand, moist, brown, no odor or staining.
4					4-8': Same as above, gray sand and bricks-remainder is brown medium sand and coarse gravel, no odor or staining-bottom .1' of tube is gray medium sand and gravel, wet, no odor.
6	0.98	N/A 2/4		SM-SP	
8					8-12': Wet, saturated, brown and gray gravel, coarse, some medium- coarse sand, no odor or staining.
10	3.2	N/A 1/4		GP	
12					12-16': Coarse gravel, some medium-coarse sand, gray saturated, while driving down sampler hit soft material ~15'BGS but lost it on way out of the hole-bottom .2' of tube was fines material that had a slight MGP like odor.
14	7.20	N/A 2/4		GP	
16					16-18': No recovery, just a few pieces of gravel, very wet, it appears that the gravel is laying in at ~9'. Possibly pushing gravel into soft clay layer between.
	N/A	N/A 0/2			
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-27

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 394.2 ft. Total Hole Depth 16 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/02/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					
2	84.8	N/A 1.5/4		GP	0-4': Sand and gravel, coarse, angular fill-bottom .5' is silty-fine sand, some medium-coarse sand, moist-bottom .1' is fine silty sand with MGP like odor.
4					4-8': Sand and gravel, moist, NAPL present in bottom 1' of tube, strong MGP like odor in materal above NAPL.
6	356	N/A 2/4		SP	
8					8-12': Sand and gravel, NAPL present, wet.
10	118	N/A 2.5/4		SP	
12					12-16': Downward pressure on hammer at ~15.5'BGS, got very light, sand and gravel-bottom 1' is fine silty sand with NAPL, bottom .1' in drive shoe is silty clay, appears clean-not enough to sample.
14	N/A	N/A 2/4		SP-SM	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-28

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *394.2 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/08/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					
2	0.0	N/A 2/4		SP	0-4': .3' of asphalt, sand and gravel, wet at bottom, red brick material, starts at 3.3'-3.7'BGS, faint odor.
4					4-8': Silty clay, light gray with little coarse mottling, trace fine sand, small veins of tar like material visible, has odor.
6	17.8	N/A 1/4		CL	
8					8-12': Silty, clay, wet on top with veins of black tar like material, has MFP like odor, odor lessons with depth, black veins diappear, small clayey sand lens at 10'-10.6'BGS.
10	9.8	N/A 3.5/4		CL	
12					12-16': Very wet and sloppy, silty clay, no odor or sheen.
14	N/A	N/A 4/4		CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-29

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *394.3 ft.* Total Hole Depth *4 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/05/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Had refusal at ~4'BGS below slab, sand, little coarse gravel, fill, small piece of black, coal like material.
2		N/A 2/4		GP	
4					
6					
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring **SB-30**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *394.3 ft.* Total Hole Depth *4 ft.* Diameter ____
Top of Casing ____ Water Level Initial ____ Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/05/01* Permit # ____
Checked By ____ License No. ____

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Had refusal at ~4'BGS below slab, fill, then 1" black tar like material, strong odor.
2		N/A 2/4		GP	
4					
6					
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-31

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *394.3 ft.* Total Hole Depth *12 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/05/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Medium sand fill beneath concrete-top .5' is black medium-coarse sand with brown sand, dark brown sand and gravel-bottom 1' loose, no odor or staining.
2	13.4	N/A 2/4		SP	
4					4-8': All brown silty clay down to 7.6'BGS, then becomes wet sand, medium, some clay, sand and clay have diesel like odor.
6	88.5	N/A 3.5/4		CL	
8					8-12': All silty clay, diesel like odor, slight sheen, when probe was driven material is "crunchy" until ~1' above bottom (11'BGS) then becomes soft.
10	N/A	N/A 0.8/4		CL	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-34

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *393.8 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/14/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					
2	0.0	N/A 1.5/4		SP	0-4': .8' of topsoil-organics .3' of black fill, ash/slag, coarse sand-remainder of tube is fine-medium sand withsome orange mottling, no odors or staining (black material has a burnt odor to it).
4					4-8': Grayish brown clayey fine sand then .4' of black MGP like odor, sand and gravel-tight-remainder is gray fine silty sand.
6	1.1	N/A 2.5/4		SM-SP	
8					8-12': Sand and gravel, saturated, faint MGP like odor, hammer pressure was light at 11'BGS.
10	0.0	N/A 1.5/4		SP	
12					12-16': All soft silty clay, gray, bottom .4' is fine-medium gray sand, saturated, no odors or sheen.
14	0.0	N/A 3/4		CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-35

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 394.62 ft. Total Hole Depth 20 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/08/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Top .3' is asphalt–black medium–coarse sand and gravel, no odor or staining–bottom .4' is fine silty sand, gray with coarse mottling, moist.
2	2.4	N/A 2.5/4		SP	
4					4–8': Black silty clay, with odor and small amount of NAPL present, transitions into gray clay at ~9'BGS, with odor, but no NAPL visible.
6	14.5	N/A 2.5/4		CL	
8					8–12': Top 1.5' is silty clay with sheen, no NAPL, sand and gravel with strong odor, small amount of NAPL present at 11'BGS, becoming clayey sand, wet, strong odors.
10	27.3	N/A 4/4		CL-SC	
12					12–16': Top 1.5' is saturated sand and gravel, black, odor, no sign of NAPL–bottom 2.5' is silty clay with faint odor, wet, stiff.
14	0.0	N/A 4/4		GP-CL	
16					16–20': Tube was full of sluff–bottom 1' was good material, wet, silty clay with .1' sand lens, .2' up from bottom, faint odor, will not go deeper due to cave in.
18	N/A	N/A 1/4		CL	
20					
22					
24					

Drilling Log

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Soil Boring SB-3P

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *393.2 ft.* Total Hole Depth *12 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/26/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': 2" topsoil, dark brown medium-coarse sand and coarse gravel, moist, brown, clayey fine sand, little medium-bottom 4" is tight silty clay, gray fairly tight withsome organic mottling, no odors or staining.
2	2.4	N/A 3/4		SP-SC	
4					4-8': Top 1.5' is fine-medium sand, gray withsome orange mottling, wet, soft-bottom 1.5' is firmer gray silty clay, no odors or staining.
6	3.3	N/A 3/4		SP-CL	
8					8-12': Gray, soft clay, wet, no odors or staining, trace pieces of wood present, no odor.
10	3.2	N/A 4/4		OH	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-37

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *393.0 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/26/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': No recovery.
2	N/A	N/A 0/4			
4					4-8': Only .5' of recovery, dry coarse gravel and medium-coarse sand-bottom .2' is more cohesive and wet, slight odor.
6	1.8	N/A 0.5/4		GP	
8					8-12': Only .8' of recovery, mostly gravel, some medium-coarse sand, fairly dry, moist, very slight odor.
10	4.7	N/A 0.8/4		GP	
12					12-16': Only .1' of recovery, tight, fine sand, gray, some coarse gravel, no staining or odor.
14	N/A	N/A 0.1/4		GP	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-38

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *394.9 ft.* Total Hole Depth *12 ft.* Diameter _____
Top of Casing _____ Water Level Initial _____ Static _____
Screen: Dia _____ Length _____ Type/Size _____
Casing: Dia _____ Length _____ Type _____
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/02/01* Permit # _____
Checked By _____ License No. _____

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Top 1.7' is sand, ash, trace coarse gravel, brown and black fill –bottom .3' is silty fine sand with clayey texture, just above this layer there is a slight odor–MGP like.
2	16.3	N/A 2/4		GP-GC	
4					4–8': Some sluff from above–remainder is silty, gray clay has odor MGP like, slightly, but with other petroleum smell–bottom .1' is medium sand, dark gray, moist, clay is tight.
6	17.1	N/A 2.5/4		CL	
8					8–12': Top .5' is medium sand from above, with small .2' thick layer of sand and gravel which has strong odor, sharp contact with soft silty clay 1' up from bottom of tube, only the top .3' of clay has odor.
10	41.4	N/A 2/4		SP-CL	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-39

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 395.1 ft. Total Hole Depth 16 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/08/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID & Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Top 0.3' is asphalt–sand and gravel fill for .8', red brick material for .4'–.3' of sand and gravel, black ash and slag material, no odors or sheen.
2	0.0	N/A 2.5/4		SP	
4					4–8': Top .3' is sluff, dark gray–brown silty clay, stiff–light brown silty clay, with a more fine sand lens at 7'BGS, going back to clay at 7.4'BGS–.3' up from bottom of tube is sand and gravel, wet, no odors or sheen.
6	7.3	N/A 3/4		CL	
8					8–12': Gray, sand and gravel saturated, no sheen or NAPL present, but has MGP like odor.
10	8.2	N/A 1.5/4		SP	
12					12–16': Sand and gravel down to 13.5'BGS–.8' of NAPL, heavy coatings–remainder is gray, silty clay, appears clean, no odor or sheen, possible sample to lab.
14	5.4	N/A 4/4		SP-CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring **SB-40**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *394.5 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/07/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Sand and gravel, 2.5' below ground was concrete, broke though into sand and gravel fill, black hard material with odor and sheen.
2	0.0	N/A 2.5/4		SP-GP	
4					4-8': .5' of sand and gravel, wet, trace of NAPL in water, slight odor-2' of fine silty sand, no odor-1' of corase gravel and some black and grayish-green, odor, no sheen, wet.
6	12.5	N/A 3.5/4		GP	
8					8-12': Small lens silty clay, no odor or sheen-remainder is sand and gravel-1st 10" is heavily coated with NAPL, material has odor below this zone.
10	42.9	N/A 2.5/4		GP	
12					12-16': Hammer pressure light at ~14'BGS-top of clay in tube is ~14.5' BGS, no odor or sheen, above clay is sand & gravel with heavy coating of NAPL, tried to get clean sample of clay to verify depths of contamination.
14	0.0	N/A 2.5/4		GC	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-41

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 394.5 ft. Total Hole Depth 16 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/07/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Asphalt is .6' thick, sand and gravel fill, wet.
2	0.0	N/A 2.5/4		GP	
4					4-8': Refusal on concrete at 5'BGS, moved hole-.5' is sand and gravel fill, wet, then .1' of blueish-green material-hard, then .3' of coarse sand and gravel, then greenish-gray silty clay to bottom, large sliver of wood from bottom up to 7.3'BGS in tube, strong odor and NAPL present in clay.
6	41.4	N/A 2.5/4		SP	
8					8-12': .5' of sluff on top-then 6" of sand and gravel, heavily coated with NAPL-2' of darker gray clay which appears to be uncontaminated and preventing downward migration-10.5'BGS there is another sand lens medium, saturated with NAPL, but not as bad as above-.3' up from bottom of tube is gray silty clay which appears to be stopping downward migration.
10	89.4	N/A 4/4		SP	
12					12-16': No recovery.
14	N/A	N/A 0/4			
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring **SB-42**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *394.4 ft.* Total Hole Depth *12 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/09/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					
2	0.5	N/A 2.5/4		SP-SM	0-4': Asphalt is .5' thick, red brick material, sand and gravel with some clay.
4					
6	N/A	N/A 3.5/4		SP-SM	4-8': .5' of brown sand and gravel-clayey sluff, then sticky fine sand, clayey texture, black, sheen odor, red brick with product coating, product in clayey sand below brick.
8					
10	N/A	N/A 4/4		SC	8-12': Sand beneath wood at 9.2'BGS-clay at 10'BGS, clay has small veins of NAPL running through clay to 12'BGS, small lens of sand at 11.4'BGS (.1' thick), saturated with NAPL.
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-43

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *394.4 ft.* Total Hole Depth *20 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/08/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Sand and gravel with .5' of asphalt on top–bottom .5' is stained black, tight, with odor.
2	0.7	N/A 2/4		SP	
4					4–8': Top 2.5' is silty clay with odor and NAPL throughout–7'BGS sand lens saturated with NAPL .2' thick–back to clay with bottom .1' changing to sand and gravel, saturated with NAPL.
6	98.5	N/A 2.5/4		SM-CL	
8					8–12': Sand with some fine gravel, becoming sand and gravel with coarse gravel with depth, all saturated with NAPL, .3' up from bottom piece of wood, yellowish in color.
10	875	N/A 2/4		GP	
12					12–16': Heavily coated with NAPL, medium–coarse sand, some fine gravel, .3' of clay–stained, odor–remainder is sand, some clay, some gravel, bottom .3' is all sand with strong NAPL layers.
14	198	N/A 2.5/4		SP	
16					16–20': Saturated, NAPL coated sluff, sand and gravel down to 19.5'BGS where we have thick NAPL, product–black, change to gray silty clay, no apparant impacts seen in clay–only on outside where material from above was pushed down.
18	N/A	N/A 1.5/4		SP-CL	
20					
22					
24					

Drilling Log

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Soil Boring SB-44

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *393.9 ft.* Total Hole Depth *12 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/31/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Refusal at 3' at four locations. 1' of asphalt with base beneath it, small lens .2' of black ash which has odor-remainder of tube is fine silty sand, gray with orange mottling, some organics present, no odor or staining.
2	18.3	N/A 3/4		SM	
4					4-8': Top .5' is same fine silty sand from above-remainder of tube is sand and gravel MGP moist to wet-bottom .3' has odor and sheen.
6	58.1	N/A 2.5/4		GM	
8					8-12': Sand and gravel, water in tube, NAPL present on material, will not push farther into material.
10	65.8	N/A 1/4		SP	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-45

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 394.6 ft. Total Hole Depth 16 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/13/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': .5' asphalt, then black, sand and gravel with 8" of red brick pieces .2' up from bottom.
2	0.0	N/A 2.5/4		SP	
4					4-8': .4' of gray silty clay on bottom with little fine sand, sand and gravel-saturated, MGP like odor with some petroleum odor as well, sheen on water.
6	2.3	N/A 1.5/4		GC	
8					8-12': Silty gray clay, wet, strong, MGP like odor.
10	12.8	N/A 1.5/4		CL	
12					12-16': No Recovery.
14	N/A	N/A 0/4			
16					
18					
20					
22					
24					

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-45b**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 14.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material ____ Rig/Core ____

Drill Co. ADT Method Hollow stem auger

Driller ____ Log By John Santcroce Date 12/19/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / %Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0	0	1 / 50%	35 5 2 2			0.3' Asphalt and corse agragate, 0.2' brick, 0.5' Gravel and medium sand
2	na	2 / 0%	50/.2' r r r			Rejection of spoon. Concrete, augered through
4	25.2	3 / 75%	1 1 1 2		ML CL ML	1' Wet gray- brown silt and fine sand, 0.5' Gray silty clay, trace fine gravel. Slight sheen and fuel oil like odor. Water table @ 4' BGS
6	na	4 / 0%	h h 2 1			No recovery, pushed gravel through silty clay. Sheen on water in spoon.
8	15.3	5 / 75%	h h h h		CL ML	Gray silty clay. Sheen, and fuel oil like odor
10	12.5	6 / 90%	h h h h		CL ML	1.5' Gray silty clay, wet. Then .3 sand and gray clay. Slight odor no sheen
12	10.2	7 / 100%	h h h h h		SC SC	0.3' sluff, then 1.5' fine to medium sand, saturated with some clay. Very slight odor, no sheen. Posibly second aquifer
14						
16						
18						
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 1/9/02

Drilling Log

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Soil Boring **SB-46**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *391.7 ft.* Total Hole Depth *16 ft.* Diameter _____
Top of Casing _____ Water Level Initial _____ Static _____
Screen: Dia _____ Length _____ Type/Size _____
Casing: Dia _____ Length _____ Type _____
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/25/01* Permit # _____
Checked By _____ License No. _____

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Top 8" is asphalt-next 2' is loose, tan sand and gravel, dry- bottom 4" is tight dark brown medium-coarse sand, withsome orange mottling, no odor or staining.
2	6.9	N/A 3/4		SP	
4					4-8': Some sluff on top ~6", some loose, brown, medium-coarse sand and gravel-bottom .5' of tube is gray, moist to wet gravel withsome medium-coarse sand, no MGP like odor but sewer like odor.
6	14.5	N/A 1.5/4		SP	
8					8-12': Dark gray-saturated, sand and gravel, odor-not placeable.
10	7.1	N/A 1/4		SP	
12					12-16': No recovery, tube was very wet.
14	N/A	N/A 0/4			
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-47

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *392.4 ft.* Total Hole Depth *12 ft.* Diameter
Top of Casing Water Level Initial *7 ft.* Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/26/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': 1' of dark brown topsoil, loose sand and gravel-bottom 1.5' is fine sand some silt, tight, clayey.
2	0.0	N/A 3/4		SP-SM	
4					4-8': Top 1.5' is fine, silty sand, some clay, gray, soft, orange mottling-bottom 1' is tight medium-coarse sand, gray and coarse gravel faint odor in sand and gravel, wet.
6	0.1	N/A 2.5/4		SM-SP	▽
8					8-12': Saturated, wet, sloppy consistancy, medium sand-gray.
10	5.2	N/A <.1/4		SP	
12					12-16': Some silty clay in drive shoe, hard to tell where we hit the silty clay.
14				CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring **SB-48**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *392.4 ft.* Total Hole Depth *12 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/30/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Dark brown topsoil, some coarse gravel turning to gray, silty fine sand-bottom .5' is moist, no odor or staining.
2	0.3	N/A 2.5/4		GM	
4					4-8': Top 1' is same as above-bottom 1' is sand and gravel-bottom .3' has odor-MGP like, sheen, wet.
6	15.3	N/A 2/4		GM-SP	
8					8-12': NAPL present, sand and gravel-bottom .2' appears to be silty clay, little fine sand, appears softer material at ~9'BGS, the clay did not show that much impact from the contamination, it appeared to stay mostly in the sand and gravel.
10	20.4	N/A 1/4		SC-CL	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring **SB-49**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *393.1 ft.* Total Hole Depth *16 ft.* Diameter _____
Top of Casing _____ Water Level Initial _____ Static _____
Screen: Dia _____ Length _____ Type/Size _____
Casing: Dia _____ Length _____ Type _____
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/31/01* Permit # _____
Checked By _____ License No. _____

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Top 1' is brown topsoil–next 1' is medium–coarse sand, brown, some ahs, dry, loose, no odors or staining.
2	0.0	N/A 2/4		SP	
4					4–8': Top 1' is fine silty sand, tight but not covering with depth– bottom .5' is sand and gravel–wet, no odors or staining.
6	2.9	N/A 1.5/4		SP-SM	
8					8–12': Wet, water in tube, no odors or sheen, coarse gravel some medium–coarse sand, top .3' of tube was fine–medium sand–loose possibly sluff, probe pushed a little softer at 11–12'BGS.
10	2.3	N/A 1/4		GP	
12					12–16': All wet sand and corase gravel, saturated–bottom 1' was soft, silty clay, no staining or odors, clay at ~15'BGS.
14	0.5	N/A 3.5/4		GP-CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-50

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 392.0 ft. Total Hole Depth 12 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/31/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Top 1' is brown topsoil-next .5' is fine silty sand, trace medium, some coarse gravel, no odors or staining.
2	14.8	N/A 1.5/4		SP-SM	
4					4-8': Top .5' is fine silty sand, gray with orange mottling, little coarse gravel, soft, wet-bottom 1' is sand and gravel, wet-bottom .1' has slight odor and sheen.
6	2.3	N/A 1.5/4		SP-SM	
8					8-12': .4 of wet sand and gravel with sheen and odor-remainder of tube is gray silty clay, which does not appear to be impacted, clay at ~8.5'BGS. Took sample above clay and one below contact.
10	42.5	N/A 4/4		SP-CL	
12	18.3				
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring **SB-51**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *392.3 ft.* Total Hole Depth *20 ft.* Diameter _____
Top of Casing _____ Water Level Initial _____ Static _____
Screen: Dia _____ Length _____ Type/Size _____
Casing: Dia _____ Length _____ Type _____
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/31/01* Permit # _____
Checked By _____ License No. _____

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Top 1' is brown topsoil-remainder of spoon is fine-medium gray sand, no odor or staining, moist, slight clayey texture.
2	14.5	N/A 1.5/4		SP	
4					4-8': Top 2' is sand from above-bottom .5 is sand and gravel, wet, no sheen or odor.
6	5.9	N/A 2.5/4		SP	
8					8-12': Sand and gravel, wet, water in tube, no odor or sheen, poor recovery, no sign of silty clay.
10	16.3	N/A <1/4		SP	
12					12-16': Coarse gravel some fine gravel, little sand, saturated, MGP like odor, some evidence of NAPL.
14	27.2	N/A 3.5/4		GP	
16					16-20': Same as above.
18	26.5	N/A 2/4		GP	
20					
22					
24					

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-51a**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 18.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material ____ Rig/Core ____

Drill Co. ADT Method Hollow stem auger

Driller ____ Log By John Santcroce Date 12/18/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0	0	1 / 25%	1 1 1 3		SM	0.5' dark brown topsoil
2	2.3	2 / 25%	3 2 3 5		SM	0.5' feet medium to fine tan sand, trace silt and gravel. MGP like odor, no stain.
4	1.7	3 / 15%	3 5 3 3		GP	gravel and medium to fine sand, Boney poor recovery
6	na	4 / 0%	4 5 4 3			No recovery, spoon wet, possible water table
8	0	5 / 15%	3 3 2 3		CL ML	Gray silty clay and fine sand. Strong MGP like odor, slight sheen saturated
10	0	6 / 40%	h h 2 2		CL ML	0.6' silty clay with little fine sand, saturated. MGP like odor, slight, 0.2' corse gravel
12	na	7 / 0%	5 6 3 5			
14	1	8 / 0%	h h 1 1		CL ML	Wet gray silty clay. Slight MGP like odor.
16	0	9 / 10%	h h 2 3		CL ML	Tight gray silty clay, trace organics, moist. Very slight MGP like odor.
18						
20						
22						
24						

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Drilling Log

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Soil Boring SB-52

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *391.7 ft.* Total Hole Depth *20 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/06/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					
2	0.0	N/A 3/4		SP-GM	0-4': 1.5' of dark brown-black topsoil-1' of coarse gravel-then .5' of brown gray fine sand, silty with orange mottling, sand and topsoil, moist, gravel is dry.
4					4-8': Some gravel sluff, then silty fine sand, wet, grayish with a lot of orange mottling-bottom .6' is gray silty sand with very small "BB" 3mm size pockets of black tar like material with odor.
6	0.0	N/A 3.5/4		SP-SM	
8					8-12': Poor recovery, .8' of gray silty clay, no staining, no odor.
10	2.0	N/A 0.8/4		CL	
12					12-16': Top 1' is gray, tight clay, downward to soft, silty clay to ~15.2'BGS where is changes to medium sand, trace fine gravel with NAPL present-bottom .1' is back to silty clay with odor.
14	83.2	N/A 4/4		CL-SP	
16					16-20': Silty clay, alot of sluff with NAPL and sheen present.
18	N/A	N/A 0.8/4		CL	
20					
22					
24					

Drilling Log

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Soil Boring SB-53

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 391.0 ft. Total Hole Depth 20 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/06/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Top 1.5' is dark brown topsoil, fine-medium sand, silty-bottom 1.5' is gray fine, silty sand with orange mottling, no odors or staining.
2	16.8	N/A 3.5/4		SM	
4					4-8': Silty, clayey, fine sand, wet, brownish orange-bottom .6' is silty clay, no odors or staining.
6	7.9	N/A 3/4		SC	
8					8-12': .5' of sluff on top-remainder is fairly tight, silty, gray, clay, wet, no MGP like odor, just organic-decomposition odor at ~10.5' BGS, no sheen.
10	0.8	N/A 4/4		CL	
12					12-16': 1' of sluff-remainder is gray, silty clay, wet, no odor or sheen, a thin sand lens at 14.8-15'BGS, wet, no odor or sheen.
14	0.4	N/A 3/4		CL	
16					16-20': Silty, gray clay, no odor or sheen.
18	0.0	N/A 2/4		CL	
20					
22					
24					

Drilling Log

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Soil Boring SB-54

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 391.5 ft. Total Hole Depth 16 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/06/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

510 North Plain

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Topsoil with some ash fill–bottom .8' is fine silty sand, brown with some orange mottling, no odors or sheen.
2	0.0	N/A 2/4		SM	
4					4–8': Fine silty sand, clayey texture, no odor or staining.
6	0.0	N/A 3/4		SM-SC	
8					8–12': Top .5' is same as above–becoming gray, silty clay, tight, wet, no odor or sheen.
10	0.0	N/A 3.5/4		SC-CL	
12					12–16': Top 2' is very soft, sloppy gray clay, maybe sluff–remainder is silty gray clay, fairly tight, small sand lens at 15.3–15.4'BGS, no odor or sheen.
14	0.1	N/A 4/4		CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-55

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *391.7 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/06/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Top 1" is topsoil and fill material-bottom 1" is fine sand, gray with orange mottling, tight, no odors or sheen.
2	0.0	N/A 2/4		SP	
4					4-8': Fine sand, silty, orange mottling, gray, tightly light gray, silty clay starts at 6.5'BGS, no odor or sheen.
6	0.0	N/A 3/4		SM-CL	
8					8-12': All gray silty clay except bottom .3' which is sand, medium sand has no odor, no NAPL or sheen.
10	5.1	N/A 3/4		CL-SP	
12					12-16': Made two attemps to get sample, no recovery.
14	N/A	N/A 0/4			
16					
18					
20					
22					
24					

Drilling Log

IT CORPORATION
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Soil Boring SB-57

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *392.3 ft.* Total Hole Depth *16 ft.* Diameter ____
Top of Casing ____ Water Level Initial ____ Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/14/01* Permit # ____
Checked By ____ License No. ____

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': 1.2' of brown topsoil, .4' of black sand and gravel, then fine– medium sand, gray with orange mottling.
2	0.0	N/A 3/4		SP	
4					4–8': Sand from above–bottom 1.5' is sand and gravel, moist to wet, bottom .2' is wet with MGP like odor.
6	1.8	N/A 2.5/4		SP	
8					8–12': Sand and gravel, saturated, has MGP like odor–bottom .2' is silty clay with little fine sand.
10	0.0	N/A 1.5/4		SP	
12					12–16': Silty, gray, clay soft, wet, has MGP like odor–.2' of sand– saturated at 15.4–15.6'BGS has no odor, 15.6–16'BGS is back to silty clay–has no odor.
14	2.8	N/A 2/4		CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring SB-58

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 392.4 ft. Total Hole Depth 20 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/15/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID & Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': .5' of topsoil-then .8' of sand and gravel fill with ash and slag-then .3' of brick material (pinkish red and yellow)-then fine- medium sand, silty with orange mottling, no odors or staining.
2	0.0	N/A 2.5/4		SP	
4					4-8': Same as above for top 1'-then coarsing to all medium sand for .7' then becoming fine-coarse gravel, some medium sand, saturated, no odors or staining.
6	0.0	N/A 2.5/4		SP	
8					8-12': Saturated, gray, sand and gravel, with slight MGP like odor.
10	0.0	N/A 1.5/4		SP	
12					12-16': Sand and gravel-saturated at 15.5'BGS there is a heavy NAPL layer, maybe tar-very concentrated NAPL on top of the gray silty clay below 15.5'BGS.
14	378	N/A 2/4		SP-CL	
16					16-20': No recovery, highly contaminated water in tube.
18	N/A	N/A 0/4			
20					
22					
24					

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-58a**

Page: 1 of 1

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material ____ Rig/Core ____

Drill Co. ADT Method Hollow stem auger

Driller ____ Log By John Santcroce Date 12/18/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0			1 3 3 2			0.3' Topsoil, light brown. Then 0.7' Black coal and some ash. No staining, no odor
	5.8	1 / 50%				
2			1 1 1 3			No recovery. 0.1' sluff
	na	2 / 0%				
4			1 2 2 2		ML	Brown gray silt and fine sand, some orange mottling, some fine- medium sand 1'- 1.3' into sample, moist. No odor no sheen
	.3	3 / 90%				
6			6 4 5 2		GP	Medium- Fine brown sand and fine - corse gravel. No staining, no odor. Moist
	1.2	4 / 25%				
8			5 3 3 4		GP	Very bony texture, saturated Fine sand and fine- medium gravel with some gray clay. Very slight MGP like odor, no sheen. Water table at 8' BGS
	1.4	5 / 35%				
10			4 5 7 2		GP / CL ML	0.5' saturated sand and gravel, then 0.5' gray silty clay. MGP like odor, no sheen.
	11.7	6 / 50%				
12			1 h h		CL ML	1' gray silty clay, at 13.3' BGS moist sand lens containing NAPL. Strong MGP like odor and sheen
	98.2	7 / 75%				
14			1 h h h h		SW / CL ML / CL ML	Gray clay and silt, wet. Sheen at top of sample. MGp like odor disipates toward bottom of sample. Stopped to prevent contamination.
	12.8	8 / 70%				
16						
18						
20						
22						
24						

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-59**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0			NA			0.8' of brown topsoil, then 1.2' of white and black ash material with some medium sand, moist. Remainder of tube is fine to medium gray-brown sand with orange mottling. No odor, no stain.
2	0	1 / 80%			SM	
4			NA			Fine to medium sand, moist, some orange mottling. No odors no staining.
6	0	2 / 5%			SM	
8			NA		ML	brown tight, fine silty sand with a clayey interval at 8.6' BGS to 9' BGS, orange mottling throughout brown, at 10' BGS it turns to gray silty clay with a .1' thick sand lens at 10.2 BGS. Tube has strong MGP like odor, wet, water has slight sheen
					CL	
10	4.8	3 / 100%			ML	
					CL ML	
12			NA			Gray silty clay, 1.5' of sluff with sheen and NAPL present, actual sample at bottom of tube has odor but no NAPL or sheen . Will not go deeper to prevent contamination.
14	13.9	4 / 65%			CL ML	
16						
18						
20						
22						
24						

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-59a**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material ____ Rig/Core ____

Drill Co. ADT Method Hollow stem auger

Driller ____ Log By John Santcroce Date 12/19/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0	0	1 / 65%	1 1 2 2		SP	0.5' Dark brown top soil, 0.5' white ash, 0.25' Dark brown medium and fine sand with some gravel
2	na	2 / 0%	2 4 4 4			Pushed cobble, no recovery
4	0	3 / 90%	1 2 2 3		ml	Brown gray silt and fine sand, trace medium sand, orange mottling. No odor no staining
6	1.5	4 / 100%	3 3 3 2		ML	1.5' Gray brown silt and fine sand, 0.5' gray silty clay with a trace of medium sand at interface. MGP like odor and sheen from bottom of GB silt & fine sand through all of gray silty clay.
8	36.6	5 / 75%	2 h h h h		CL ML / CL ML	Moist gray silty clay, 0.3' fine to medium sand at top of sample. No odors, no sheen.
10	45.9	6 / 90%	h h h h		CL ML	Wet Gray silty clay. Strong odor and sheen.
12	21.3	7 / 100%	h h h h		CL ML	Gray silty clay, strong odor and sheen. Sheen in fine sand lens 1.5' into sample, 0.25' in thickness.
14	17.7	8 / 90%	h h h h h		SM / CL ML / CL ML	Gray silty clay, trace fine sand Black (organic) stain. Slight MGP like odor, no sheen.
16						
18						
20						
22						
24						

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-60**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 12.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / %Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
2					SM	1.6' of brown top soil, then .6' of black medium sand, some corse, some ash, piece of wood. Remainder is light brown fine sand, little medium, little silt, orange mottling, moist. No odors, no stain.
4			NA			
6	0	1 / 65%			ML	Brown gray silt and fine sand, some clayey texture, at 7.7' changes to gray sand and gravel for 1" then just medium sand, wet. Has sheen and odor.
8			NA			
10	12.8	2 / 50%				No recovery. Rods are heavily coated with NAPL. Not going deeper, water is coming up rods.
12			NA			
14	0.1	3 / 0%				
16						
18						
20						
22						
24						

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 1/8/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-61**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0			na			.6' of corse gravel (driveway), then fine grayish brown sand. no odors no sheen
2	0	1 / 45%			ML	
4			na			.3' of sluff,gray orange silty fine sand, moist, then fine sand gray saturated, .4' thick , then .8' of fine silty sand, tight, bottom .4' is sand and gravel, wet
6	0	2 / 80%			ML	
8			na			.8' of recovery, sloppy, wet, very likely it is sluff,. Gravel and silty fine sand.
10	0	3 / 20%				
12			na			Wet, gray silty clay , soft. .8' up from bottom of sample, silty fine to medium sand, clay texture, wet. No odor, no staining.
14	0	4 / 70%			CL ML	
16						Gray silty clay, tight. No odors no staining. 1' of sluff, sand and gravel, wet. No odors, no staining.
18	4.8	5 / 80%			CL ML	
20						
22						
24						

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 1/8/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-62**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			.4' of medium - corse sand and gravel, pieces of concrete, dry, then brown silty fine sand, moist, tight. No odors, no stains.
2	0	1 / 85%			SM	
4			na		SM	Top 1.3' is corse with a little brown fine - medium sand, moist, then becomes grayish brown silt and sand with .3 of silty clay at bottom. No odor, no stain.
6	0	2 / 70%			ML	
8			na		CL ML	Gray silty clay with wens of medium sand .4' thick at 10.2' BGS the n goes back to gray silty clay- wetter than above sand lens. No odors, no staining.
10	0	3 / 75%			SP	
					CL ML	
12			na			Gray silty clay, soft, wet, little fine sand a at 15' but becomes silty clay again after .3'
14	0	4 / 95%			CL ML	
16						
18						
20						
22						
24						

IT_COMMERCIAL Rev. 12/6/99 ITHACA.GPJ IT_CORP.GDT 1/8/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-63**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			.3' of gravel, then moist silty fine sand for .4', then .1' of black ash, slag, and coal, then .4' of silty fine sand, then .3' of gray ash, remainder is brown fine silty sand. No odors no staining
2	0	1 / 50%				
4			na		ML	Till like material, fine to corse gravel and fine silty sand, orange brown changing to gray clay at 7.2' BGS, also becomes wet. No odors, no staining.
6	0	2 / 60%			ML	
8			na		CL ML	Same as above, bottom .7' is gray silty clay. No odors, no staining.
10	0	3 / 50%			CL ML	
12			na			
14	0	4 / 50%				
16						
18						
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 1/8/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-64**

Page: 1 of 1

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			1.2' of brown topsoil, fine silty sand and organics, remainder of tube is grayish brown silt and fine sand, moist with orange mottling. no odors, no staining
2	0	1 / 70%			ML	
4			na		ML	Brown gray silt and fine sand with orange mottling, moist, organics (roots) present, bottom .3' is gray silty clay, tight. no odors, no staining.
6	0	2 / 80%			CL ML	
8			na		CL ML	Gray silty clay tight, no odor or staining, bottom .4' turns to gray fine to medium sand, wet to saturated. No odors no staining
10	0	3 / 70%			SP SC	
12			na		SP SC	1.6' of fine to medium sand, wet to saturated, then tight silty clay. No odors, no staining.
14	0	4 / 75%			CL ML	
16						
18						
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 1/8/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-65**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

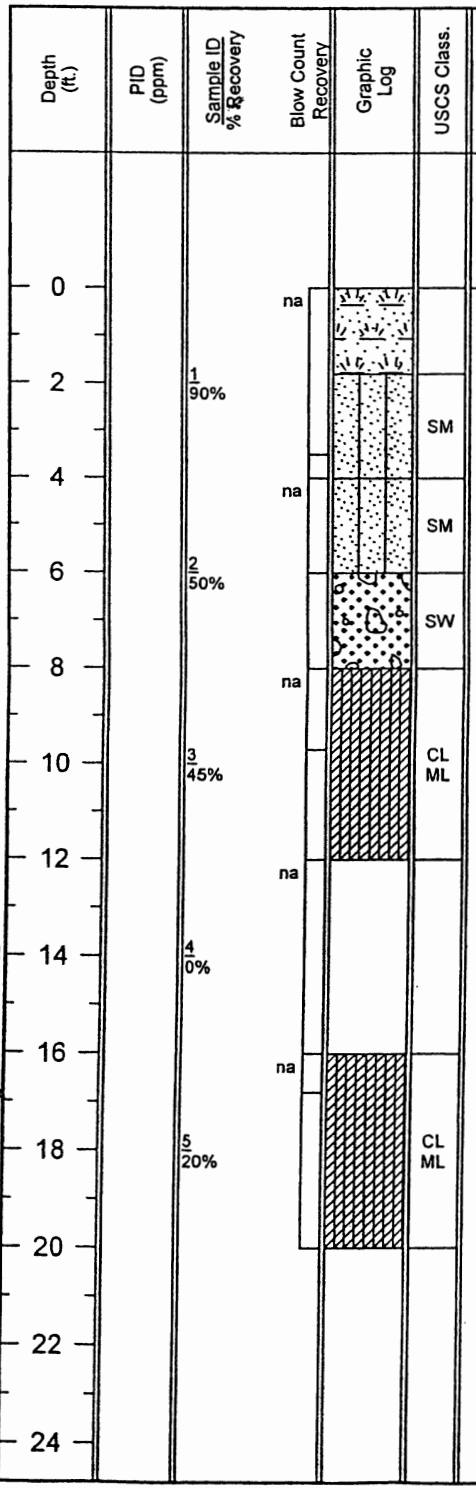
Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS



Description

(Color, Texture, Structure)

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

1.8' of brown top soil, roots visible throughout, moist, then firm brown sand, moist, no odors or staining.

Medium brown sand, wet. Bottom .2' of sample some fine to corse gravel. No odors no staining.

.3' of brown sand and gravel wet to saturated, then gray silty clay. no odors no staining.

No recovery, saturated sluff

Bottom .8' appears to be only good sample, remainder of tube is sluff

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-66**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / %Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0			na			.8' brown topsoil, then .5' of white-gray ash, transitions to grayish brown fine sand, little medium sand, orange mottling, tight. No odors, no staining.
2	0	1 / 70%			ML	
4			na		ML	Gray-brown silt and fine sand with orange mottling, gray silty clay, little fine sand, moist. No odor , no stain
6	0	2 / 70%			CL ML	
8			na			Gray silty clay, trace of organics (roots). No odors no stains
10	0	3 / 95%			CL ML	
12			na			same as above
14	0	4 / 65%			CL ML	
16			na			same as above
18	0	5 / 75%			CL ML	
20						
22						
24						

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-67**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			.4 Brown topsoil
2	0	1 / 30%			ML	.8' of ash whitish gray, piece of brick, than fine silty sand, tight, moist organics present. No odors no staining
4			na			Gray- Brown silt and fine sand, clayey texture at 7', .3' of fine to medium sand, gray, then gray silty clay remainder of sample. No odors no stain.
6	0	2 / 90%			ML	
8					CL ML	
			na			Gray silty clay. No odors no stain.
10	0	3 / 50%			CL ML	
12			na			.2' gray silty clay, remainder of tube was sluff
14	0	4 / 5%			CL ML	
16			na			All sluff, sloppy with no sign of contamination
18	na	5 / 0%			CL ML	
20						
22						
24						

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-68**

Page: 1 of 1

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0			na			.8' brown topsoil. then .2' of fill gravel, remainder is gray - brown silt and fine sand, orange mottling, little corse sand, moist. No odor, no sheen
2	.9	1 / 65%			ML	
4			na		ML	some grayish brown sand from above fining downwards and becoming silty gray clay with some fine sand, we. Clay has MGP like odor and sheen.
6	185	2 / 60%			CL ML	
8			na			silty gray clay, little fine sand in upper 1.1' has MGP like odor and sheen, pockets and veins of NAPL where organics are present in clay (root channels)
10	128	3 / 70%			CL ML	
12			na			Heavy coating of NAPL came up rods while driving gray silty clay. Fine to medium sand lens at 14.8-15' BGS, sheen and napal visible sheen and NAPL visible in gray clay to 15.4' BGS. Remainder has strong odor. Will not drive deeper due to the contamination
14	238	4 / 75%			CL ML	
16						
18						
20						
22						
24						

IT_COMMERCIAL Rev. 12/6/99 ITHACA.GPJ IT_CORP.GDT 1/8/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-69**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						
2	2.3	1 / 85%	na		ML	.5' of topsoil, .3' of ash and slag, then only silty fine sand with visible organics (roots), bottom 1' is fine silty sand, gray - brown with orange mottling. No odors,no stain
4			na			all grayish brown sand from above to 7.1' BGS, than gray fine to medium sand wet, bottom .2' is gray silty clay, tight. No odors or staining.
6	3.1	2 / 95%			ML	
8			na			Gray silty clay, tight, moist. No odors, no sheen Organics visible
10	2.8	3 / 60%			CL ML	
12			na			No recovery
14	na	4 / %				
16			na			no recovery
18	na	5 / %				
20						
22						
24						

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-70**

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Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0			na			.4' of topsoil, .4' of white and black ash, .3 of brown to black topsoil than piece of red brick, then light brown to grayish fine silty sand, organics visible, no odors or staining
2	8.8	1 / 95%			ML	
4			na			grayish brown fine and silty sand, some clay, orange mottling, slight MGP like odor in bottom .1' of sample. Wet at 7' BGS
6	1.8	2 / 50%			ML	
8			na			Tight silty gray clay, wet, strong MGP like odor, small pockets of heavy NAPL in void spaces there organics are present.
10	54.6	3 / 50%			12	
12			na			Silty gray clay, wet, fairly tight, strong odor, pockets of concentrated NAPL, (same as above)
14	47.2	4 / 45%			CL ML	
16			na			Tubes full of sluff, with heavy sheen of NAPL visible
18	na	5 / 0%				
20						
22						
24						

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-71**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						
2	0	1 / 75%	na		ML	.8' of dark brown topsoil , .1' of black ash and slag, then .7', of dark brown top soil grading into grayish brown fine silty sand with orange mottling. Some organics visible, no odor, no sheen
4			na		ML	Grayish brown with orange mottling, fine silty sand, bottom .7' becomes clayey and wet. No odors, no stain
6	0	2 / 65%				
8			na		CL ML	.6' of silty gray clay, than .8' of clayey sand with little medium sand, slight MGP like odor and sheen. Small spots developing in sand. Remainder of tube is tight gray silty clay with MGP like odor and no sheen
10	57.7	3 / 90%				
12			na		CL ML	Tight silty gray clay with slight MGP like odor. Bottom 1.1' is saturated silty clay with MGP like odor and sheen, small points of NAPL
14	31.1	4 / 60%				
16			na			No recovery
18	na	5 / 0%				
20						
22						
24						

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-72**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			Brown topsoil
2	0	1 / 60%			SM	.9' of ash and slag fill, white and black, remainder is fine - medium brown sand and some silt, trace some corse sand and gravel
4			na		ML	fine silty, light gray fine sand with orange mottling, becoming clayey at 6.8' BGS, moist, slight MGP like odor at 7.3' BGS is gray, wet, fine to medium sand, has slight mgp like odor NO sheen, or NAPL
6	0	2 / 80%			CL ML	
8			na			No recovery, light hammer pressure
10	na	3 / 0%				
12			na			no recovery, some material that was on tube when it came up had odor but can not tell what interval this came from
14	na	4 / 0%				
16			na			No recovery, tube had sheen and slight MGP like odor
18	na	5 / 0%				
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-73**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0			na			.4' brown Topsoil
2	0	1 / 75%			ML	.8' of black ash and slag fill, brownish gray fine sand and silt with orange mottling, little medium sand, moist, no odors no stains
4			na			Brown gray silt and fine sand, moist, change to clayey silt bottom 6" of
6	0	2 / 65%			ML	sample, has mgp like odor, no sheen, no NAPL
8			na		CL ML	No recovery
10	na	3 / 0%				
12			na			little recovery, some saturated sand and gravel, heavy sheen, NAPL present in sample and on rods
14	9.3	4 / 20%				
16			na			same as above, then gray silty clay, no odor, no sheen in clay, only in sluff
18	0	5 / 40%			CL ML	
20						
22						
24						

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-74**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / %Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						Very little recovery, brown topsoil, no odors, no sheen, moist
2	0	1 / 15%			ML	
4						.2' of sluff, then Tan silty sand with trace corse - medium sand, grayish tint, orange mottling, no odors, no stain, moist
6	0	2 / 25%			ML	
8						Dark gray silty clay, no odor, no stain, wet
10	0	3 / 55%			CL ML	
12						Silty gray clay for .4', then .8' of fine to medium gray sand, than back to gray silty clay for remainder of tube. Material is wet, no odor, no sheen
14	0	4 / 65%			CL ML	
16						A lot of sluff in tube, gray silty clay piece of woody material .2' up from bottom, no odor, no stain, wet
18	0	5 / 30%			CL ML	
20						
22						
24						

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-75**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS
Took water sample @ 8-12

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			.8' Medium - corse sand and gravel, .4' of black medium sand and ash
2	0	1 / 50%			ML	Brown-gray, silty sand, little medium sand, orange mottling, no odor no stain
4			na			Brown-gray, with orange mottling, fine silty sand with clayey texture, tight, moist, visible organics, no odors, no stains
6	0	2 / 35%			ML	
8			na		ML	.4 of brown saturated clayey, silty, sand and gravel, turns to silty, gray clay, no odors, no staining
10	0	3 / 85%			CL ML	
12			na			Gray silty clay, wet, soft, no odors, no stains
14	0	4 / 70%			CL ML	
16			na			No recovery
18	na	5 / 0%				
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-76**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / %Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			Dark brown topsoil
2	0	1 / 50%			ML	.3' white gray ash and charcoal,. remainder brown gray silty sand with little orange mottling, no stain no odor
4			na			.4' Dry sand and gravel, .8' saturated sand and gravel , .2' black sand and clay with slight MGP like odor, no staining. Water table @ 6' BGS
6	184	2 / 35%			ML	
8			na			1.5' Sluff. 2.5 moist gray silty clay, trace sand, slight mgp like odor, no sheen
10	.3	3 / 100%			CL ML	
12			na			No recovery
14	na	4 / 0%				
16			na			Gray silty clay with unknown odor, wood chips near bottom of sample
18	0	5 / 55%			CL ML	
20						
22						
24						

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 1/8/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-77**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/4/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0			na			Topsoil, dark brown
2	0	1 / 45%			ML	1' silt and fine sand, trace medium tan sand, red brick fragments, no stain, no odor
4			na			Wet tan, grayish brown silty fine sand, trace medium sand, no stain, no odor
6	0	2 / 50%			ML	
8			na			Gray silty clay, moist, trace fine sand at bottom 6" of sample, possible sand lens, no odor no stain
10	0	3 / 90%			CL ML	
12			na			Gray silty clay, moist, no odor no stain
14	0	4 / 60%			CL ML	
16						
18						
20						
22						
24						

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-78**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 18.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/12/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / %Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0			na			0.8' Dark brown topsoil, 0.2' white ash, .1' gray brown silt and fine sand, trace medium sand. No odor, no sheen
2	0	1 / 50%			ML	
4			na			0.3' Gray tan silt and fine sand, some fine to medium gravel, 0.5 wet silt and fine to medium light brown sand, 1.5' saturated gray tan silt, fine sand and medium gravel. no stain, no odor.
6	0	2 / 55%			ML	
8					GP	
10	na	3 / 0%	na			No recovery Pushed cobble.
12			na			Gray silty clay, fine sand lens at 0.2' from bottom, wet. No stain, no odor.
14	0	4 / 65%			cl ml	
16			na			Gray silty clay, trace gravel in last 0.5' of sample, wet. no odor, no sheen.
18	0	5 / 40%			CL ML	
20						
22						
24						

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-79**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/12/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			Dark brown topsoil, then 0.2' white ash, then 1' gray tan silt and fine sand, moist. Some orange mottling toward bottom.
2	0	1 / 50%			ML	
4			na		ML	2.5' tan gray silt and fine sand, trace fine gravel @5' BGS, then 1' gray silty clay, wet with some fine sand. Orange mottling in silt and sand. No odor, no sheen.
6	0	2 / 90%			CL ML	
8			na		CL ML	2.3' gray silty clay, fine sand lens' at 0.5' into sample and 0.2' into sample, wood at bottom of sample (root). No stain, no odor
10	0	3 / 55%				
12			na		CL ML	Gray silty clay, moist. Possible organics 0.5' to 1' into sample, slightly darker color. No odor, no sheen.
14	0	4 / 90%				
16			na			
18	0	5 / 25%				
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-80**

Project *NYSEG- Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Surface Elev. *NA* Total Hole Depth *20.0 ft.* North _____ East _____

Top of Casing *NA* Water Level Initial *NA* Static *NA* Diameter *2 in.*

Screen: Dia *NA* Length *NA* Type/Size *NA*

Casing: Dia *NA* Length *NA* Type *NA*

Fill Material *Bentonite* Rig/Core *Geoprobe*

Drill Co. *ADT* Method *Direct push*

Driller *M. Bauchner* Log By *M. Puglisi* Date *12/12/01* Permit # *NA*

Checked By _____ License No. _____

COMMENTS
Moved 6" north and re sampled to obtain stl sample at 4'-8' interval.

Depth (ft.)	PID (ppm)	Sample ID / %Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			0.5' dark brown topsoil, 0.5' ash white and black. No sheen, no odor
2	0	1 / 25%				
4			na		GP	2' medium to corse gravel and medium sand, possibly fill or bedding material, then 0.5' gray brown silt and fine sand trace gravel. Stain and fuel like odor on bottom .3' of sample
6	21.5	2 / 75%			ML	
8			na			No recovery
10	na	3 / 0%				
12			na			No recovery
14	na	4 / 0%				
16			na			
18	na	5 / 0%				
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 1/8/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-81**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/13/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0			na			0.6' topsoil, 1' ash, white and black with some medium gravel and sand, 1.4' brown gray silt and fine sand, moist, trace fine gravel. No odor no sheen.
2	0	1 / 75%			ML	
4			na			3' moist gray brown silt and fine sand, lens of medium sand at 6.5', .3' thick, then 0.5' gray silty clay at bottom of sample. Orange mottling in gray brown silt and fine sand. no odor, no sheen
6	0	2 / 90%			ML	
8			na		CL ML	Gray silty clay, trace fine sand, wet. No stain, no odor
10	0	3 / 65%			CL ML	
12			na		CL ML SM	0.3 gray silty clay, 1' gray fine to medium sand and silt with a trace of clay, then 0.5' fine - medium gravel and sand, wet. No odor, no sheen.
14	0	4 / 45%			GP	
16			na			No recovery
18	0	5 / 0%				
20						
22						
24						

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-82**

Page: 1 of 1

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/13/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			0.8' Dark brown topsoil, 0.2' white ash, .1' gray brown silt and fine sand, trace medium sand. No odor, no sheen
2	0	1 / 40%			GP SM	
4			na			No recovery. Gravel sluff.
6	na	2 / 0%				
8			na			No recovery. Gravel sluff.
10	na	3 / 0%				
12			na			1' of gray silty clay, trace fine sand. No odor, no stain
14	0	4 / 0%			cl ml	
16			na			
18	na	5 / 0%				
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 1/8/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-83**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 13.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/13/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						Floor
2			na			0.5 pea gravel, 1' black ash, .5 gray silt and sand with some clay. Heavy black stain, MGP like odor.
4	164	1 / 50%			ML	
6			na		cl ml	Gray silty clay, trace medium sand, moist, then sand lens, wet at 7' -7.5' BGS. NAPL in sand. Strong MGP like odor, sheen.
8	48.7	2 / 90%			SP	
10			na		ps	Fine sand and gravel, posibly sluff, strong MGP like odor. Stain and sheen, NAPL present. Stopped drilling to prevent contamination of underlying aquifer.
12	40.5	3 / 55%				
14						
16						
18						
20						
22						
24						

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-84**

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Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 5.0 ft. Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core CME-75

Drill Co. ADT Method Hollow Stem Auger

Driller ____ Log By John Santacroce Date 1/30/02 Permit # NA

Checked By ____ License No. ____

COMMENTS
Sample 10-12, 14-16

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0	0	1 / 50%	1 2 3 3			0.5' of topsoil, 0.5' of ash and sand. Dark brown to black.
2	0	2 / 50%	1 3 3 4		SM	2" of cobbles, then 10" of gray to tan silt and fine sand, orange mottling, moist.
4	0	3 / 75%	1 1 1 1		SM	6" of tan silt and fine sand, 2" of saturated brown, med. and fine sand, 10" of gray tan silt and fine sand, some med sand.
6	8	4 / 75%	h h h h		SC SM	10" tan silt and fine sand, moist, 3" saturated med. sand w/ sheen and MGP like odor, then silty clay, no sheen, odor present.
8	11.3	5 / 75%	h h h h		CL	wet, silty clay, NAPL pockets.
10	210	6 / 65%	h h h h		CL ML	wet silty clay, 6" saturated gray sand with sheen and NAPL, MGP like odor
12	116	7 / 90%	h h h h		CL ML	MGP like odor, no sheen, no NAPL, gray silty clay, moist, trace organics, trace med sand
14	149	8 / 65%	h h h 1 2		CL ML	silty clay, some peat, trace organics (roots), MGP like odor
16	0	9 / 100%	h h h h		CL ML	clay, silt, odor to 19'
18	0	10 / 75%	h h h h		CL ML	trace organics, moist, tight
20						
22						
24						

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-85**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 8.0 ft. Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/6/02 Permit # NA

Checked By ____ License No. ____

COMMENTS
Used discreet sampler from 16'-20'

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						0.4' of topsoil, 0.5' of black slag fill material
2	0	1 / 75%			SM	Brownish gray, fine-silty sand, trace gravel, some orange mottling, moist, no odor or staining.
4						Silty fine sand for 0.6' then f-m sand, wet, with orange mottling, then turning to grayish brown, silty clay at bottom 0.4'. No staining or odor.
6	3.2	2 / 70%			SM	
8 ▽						1' of m-c sand, saturated, probably Sluff, remaining 3' is gray, silty clay, soft, wet, no odor or staining, some organics.
10	0	3 / 75%			CL	
12						No recovery
14	N/A	4 / 0%				
16						Gray silty clay, silt content increases with depth, no odors or staining, organics visible, band of fine sand at bottom of tube, moist.
18	0	5 / 100%			CL	
20						
22						
24						

COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 2/18/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-86**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 8.0 ft. Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

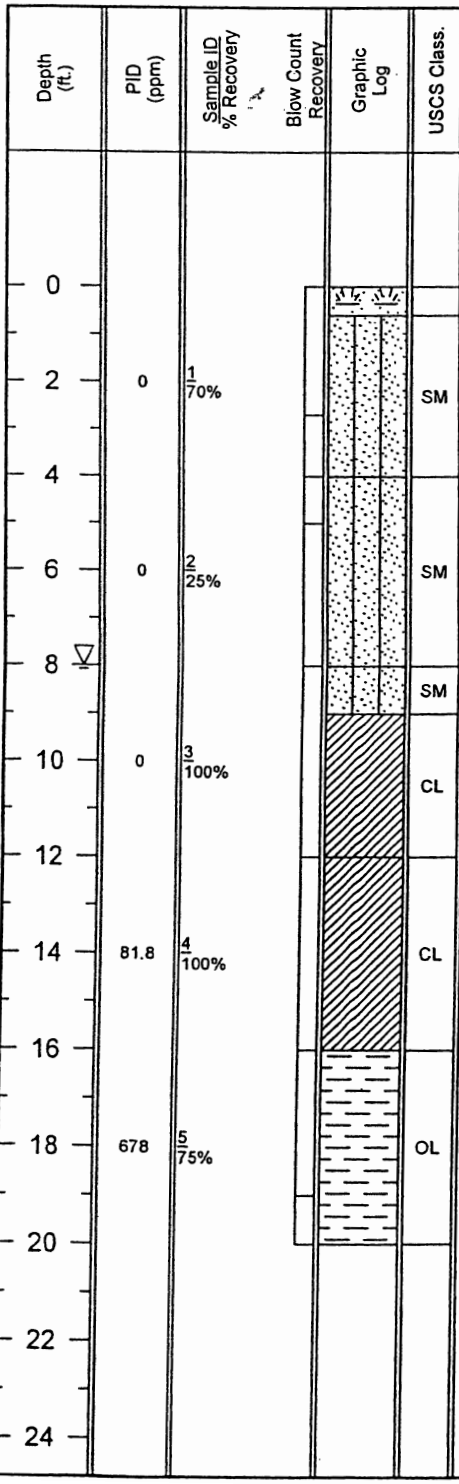
Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/6/02 Permit # NA

Checked By ____ License No. ____

COMMENTS



Description

(Color, Texture, Structure)

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

0.4' of topsoil, 0.2' of black slag fill
Brownish gray, silty fine sand, some m-sand, moist, organics present, no odor or staining

Fine-medium sand, some silt, brownish gray, orange mottling, organics , wet. No odor or staining.

Brown f-m sand, little coarse, saturated, no odors or staining

Soft silty clay, gray, has slight MGP like odor, no staining, no NAPL, only sleight sheen in bottom 1' - material gets tighter in bottom 1'

Gray silty clay, soft, wet, small amount of NAPL present at bottom of tube, odor throughout, very slight sheen in bottom2' of tube

Same as above, slight odor, slight sheen near top of tube, bottom has just odor, organics present.

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-87**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 9.0 ft. Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/6/02 Permit # NA

Checked By ____ License No. ____

COMMENTS
Used discreet sampler from 16'-20'

Depth (ft.)	PID (ppm)	Sample ID / % Recovery / Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0					0.7' of topsoil, then 0.6' of black slag fill
2	0	1 / 75%		SM	Brown silty fine sand with orange mottling, no odors or staining, organics present
4					Brown to gray, with orange mottling, silty fine sand, fining with depth to silty clay at bottom 0.4', tight, moist, no odors or staining
6	0	2 / 90%		SM	
8				CL	Same as above for first 1', then 0.8' of m-c sand, brown, saturated. Then gray silty clay, no odors or staining.
▽				SP	
10	0	3 / 100%		CL	
12					Gray silty clay, no odors or staining
14	0	4 / 90%		CL	
16					Gray silty clay, no odors or staining, organics present, moist
18	0	5 / 100%		OL	
20					
22					
24					

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-88**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 9.0 ft. Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/7/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						0.7' of dark brown topsoil, then 0.3' of black and white ash and slag fill
2	0	1 / 70%			SM	Dark gray fine silty sand, bottom 0.3' is gray f-silty sand with orange mottling, no odors or staining
4						Silty fine sand, slight clayey texture, gray with orange mottling, no odor or staining, organics present
6	0	2 / 75%			SC	
8					SC	Same as above for first 0.8' then 0.4' of f-m sand with little clay, saturated, then silty gray clay, no odors or staining.
▽						
10	0	3 / 100%			CL	
12						No recovery
14	N/A	4 / 0%				
16						Gray silty clay, organics present, bottom 0.8' becomes more silty with little f-sand, turning brown, with peat like material in bottom 0.3' of tube. No odors or staining.
18	0	5 / 100%			CL	
20					PT	
22						
24						

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 2/18/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-89**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/7/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Topsoil, black and white ash and slag fill
2	0	1 / 35%			SM	Grayish brown silty fine sand with orange mottling, little f-gravel, no odor or staining.
4						0.4' of Sluff. First ~1.5' is fine silty sand, light gray with orange mottling turning to clay at ~7' BGS, then changes to dark gray silty fine sand for 0.2', then silty clay, moist, no odors or staining
6	0	2 / 100%			SM	
8						Top 2.4' is silty clay from above, bottom 0.6' changes to clayey f-sand, no odors or staining
10	0	3 / 75%			SC	
12						Top 0.4' is clayey f-sand, little m-sand, remainder is silty clay, gray, no odors or staining
14	0	4 / 90%			CL	
16						Silty gray clay, bottom 0.6' is brown peat like material, no odors or staining
18	0	5 / 80%			CL	
20					PT	
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 2/19/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-90**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 10.0 ft. Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/7/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						0.4' of topsoil Grayish brown silty f-sand with orange mottling, no odors or staining
2	0	1 / 60%			SM	
4						0.2' of recovery - could be Sluff, f-silty sand, gray-brown with orange mottling
6	0	2 / 5%			SM	
8						Light gray with orange mottling, fine silty sand changing to silty clay, then at ~10' change to dark gray silty clay, small lens of clayey sand just before change-saturated, no odors or staining
10 ▽	0	3 / 75%			SC	
12						0.2' of silty clay, then clayey f-m sand, gray, saturated, bottom 1' is back to silty clay. No odors or staining.
14	0	4 / 90%			SC	
16					CL	Silty clay, gray, bottom 0.4' is brown peat like material, no odors or staining.
18	0	5 / 95%			CL	
20					PT	
22						
24						

Descriptions are based on ASTM Standard D 2487-93 and the USCS.

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 2/19/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-91**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 6.0 ft. Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/7/02 Permit # NA

Checked By ____ License No. ____

COMMENTS
Sent 8'-12' interval to Worldwide Geoscience for fingerprint analysis, and 12'-16' to STL for PAH, BTEX, and Cyanide analysis.

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Topsoil
2	0	1 / 65%			SM	Grayish brown silty fine sand, with orange mottling, no odors or staining
4					SP	Brown, m-c sand, loose for top 0.8', then gray silty clay, little f-sand, with orange mottling, turning all gray bottom 0.2'. All material below m-c sand has MGP like odor and isolated areas of light sheen, no NAPL.
6 ▽	202	2 / 50%			CL	
8						Gray silty clay, heavy odor, sheen, and NAPL running through the material
10	347	3 / 100%			CL	
12						Gray silty clay NAPL running through material until ~15' BGS, just faint odor, bottom 0.1' has no odor or sheen.
14	304	4 / 100%			CL	
16						
18						
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-92**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/7/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Topsoil and slag fill
2	0	1 / 50%			SM	Silty fine sand light gray with some orange mottling, no staining. Piece of red brick in tube
4						No recovery, piece of red brick in drive shoe.
6	N/A	2 / 0%				
8						Gray silty clay, bottom 0.3' is f-m sand, little silt/clay. No odors or staining, moist
10	0	3 / 80%			CL	
12					SM	No recovery
14	N/A	4 / 0%				
16					CL	Gray silty clay, at 17' BGS there is a large piece of wood, then turns to f-m sand for 2' before turning to silty f-sand for bottom 1'. Moist to wet, no odors or staining.
18	0	5 / 100%			SP	
20					SM	
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-93**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 9.0 ft. Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/7/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

32' west of storm sewer, 2' south of sanitary sewer.

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Asphalt and base material
2	0	1 / 50%			CL	Soft, gray silty clay, moist, no odors or staining
4						Gray silty clay, slight MGP like odor at 6' - 8', no sheen no NAPL, no staining, wet
6	746	2 / 80%			CL	
8					CL	Saturated s+g lens 0.3' thick at 9' BGS, remainder of tube is gray silty clay with MGP like odor, one spot of sheen ~ 0.5 cm in diameter.
▽					SP	
10	368	3 / 100%			CL	
12						Gray, silty clay, MGP like odor, no sheen, no NAPL, no staining.
14	172	4 / 65%			CL	
16						Gray, silty clay, wet, bottom 0.6' is silty f-m sand, moist, no odors or sheen in tube.
18	25.3	5 / 85%			CL	
20					SM	
22						
24						

Description: (Color, Texture, Structure)

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-94**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 8.5 ft. Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/7/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Topsoil and fill
2	0	1 / 50%			SM	Grayish brown, silty f-sand with orange mottling, no odor or staining
4					SM	Same as above turning to silty clay at ~5' BGS, changes to all gray silty clay at 5.5', odor begins at 6.5', heavy NAPL at 7' BGS
6	29.2	2 / 100%			CL	
8 ▽						Top 0.7' very soft, saturated, heavy coating of NAPL, silty clay, NAPL running through out tube- traveling in root channels.
10	426	3 / 85%			CL	
12						Heavy NAPL at 14', concentrated on piece of wood, NAPL down to 15' BGS in material, strong odor, silty clay, gray.
14	375	4 / 100%			CL	
16						
18						
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-95**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 8.0 ft. Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/8/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Topsoil, piece of red brick, slag and ash fill. Bottom0.6' is grayish brown, silty fine sand with orange mottling, organics present, no odors or staining.
2	0	1 / 60%			SM	
4						Poor recovery due to rock in drive shoe, same as above , moist to wet.
6	122	2 / 10%			SM	
8 ▽					SC	Top 1.3' is soft, saturated clayey f-m sand, brown, no odor or sheen, remainder of tube is silty clay, gray, moist to wet, no sheen or NAPL, but has slight MGP like odor at 10' and below.
10	392	3 / 100%			CL	
12						NAPL and sheen at 13', disappear at 14', odor continues down to 15.5', silty clay, gray. NAPL concentrated in pockets where there are pieces of wood or roots.
14	542	4 / 90%			CL	
16						Soft silty clay, MGP like odor, no NAPL or sheen, bottom 0.3' has no odor.
18	454	5 / 25%			CL	
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-96**

Project: NYSEG-Court St. MGP Site | Owner: NYSEG

Location: Ithaca, NY | Proj. No.: 831152

Surface Elev.: NA | Total Hole Depth: 16.0 ft. | North: | East:

Top of Casing: NA | Water Level Initial: ▽ 9.0 ft. | Static: NA | Diameter:

Screen: Dia: NA | Length: NA | Type/Size: NA

Casing: Dia: NA | Length: NA | Type: NA

Fill Material: Bentonite | Rig/Core: Van monunted geoprobe

Drill Co.: ADT | Method: Direct Push

Driller: Marty Bachner | Log By: M. Puglisi | Date: 2/8/02 | Permit #: NA

Checked By: | License No.:

COMMENTS
Used discrete sampler for entire boring.

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						0.7' of topsoil, then black and white ash + slag fill to 2' BGS, then brown silty fine sand, moist, some orange mottling, no odors or staining
2	0	1 / 80%			SM	
4					SM	Silty fine sand, coarsening to s+g, wet, no odors until bottom 0.1' where there was a small amount of NAPL at bottom of tube
6	325	2 / 60%			GP	
8					GP	~1' of saturated s+g, slight odor, very small amount of NAPL, then ~1' of gray silty clay, no odors or staining.
10	181	3 / 50%			CL	
12					CL	Gray silty clay, small lens of f-m sand at top ~0.1' thick, wet, no odors or staining visible.
14	0	4 / 90%			CL	
16						
18						
20						
22						
24						

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-97**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 10.0 ft. Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/13/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						0.8' of dark brown topsoil, then grayish brown silty fine sand with orange mottling, no odors or staining.
2	0	1 / 75%			SM	
4						Same as above with some medium sand, wet bottom 8" has some f-c gravel, no odors or staining
6	0	2 / 50%			SP	
8					GP	Top 8" is f-c gravel and m-c sand, brown, almost saturated, remainder of tube is gray silty clay, no odor or staining.
10 ▽	0	3 / 70%			CL	
12						0.1' of f-m sand lens- saturated, then gray silty clay again with organics present, no odor or staining
14	0	4 / 90%			OL	
16						
18						
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-98**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/13/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						Topsoil, black and white ash + slag fill, then 8" of light brown silty fine sand, little medium, orange mottling, no odors or staining.
2	0	1 / 65%			SM	
4					SM	Same as above bottom 8" a little gray, bottom 6" is dry f- c- sand some f-c gravel, no odors or staining
6	0	2 / 70%			SP	
8					OL	0.2' of material from above, then brown highly organic material, clayey with silt, gray, silty clay at 11.5'. No odors or staining.
10	0	3 / 75%				
12					OL	Gray, silty clay, organics present, no odors or staining.
14	0	4 / 75%				
16						
18						
20						
22						
24						

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Soil Boring **SB-99**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 10.0 ft. Static NA Diameter ____

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Van monunted geoprobe

Drill Co. ADT Method Direct Push

Driller Marty Bachner Log By M. Puglisi Date 2/13/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						0.6' of topsoil, then brown f-m sand, trace gravel, no odors or staining
2	0	1 / 70%			SM	
4						Brownish gray silty f-sand, some m-sand, orange mottling, bottom 0.6' is s+g moist throughout tube, no odors or staining
6	0	2 / 75%			SM	
8					GP / GP / PT / GP	0.2' of s+g saturated, has slight sheen and faint MGP like odor, then 1' of brown silty clay with high organic content (peat like), then 0.2' of saturated s+g, no odor or sheen, then gray silty clay, no odors or sheen. Piece of wood with purple coloring in peat layer, color is bleeding off of wood.
10 ▽	0	3 / 75%			CL	
12						Gray silty clay, organics present. No odors or staining visible.
14	0	4 / 90%			OL	
16						
18						
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

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Drilling Log

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Soil Boring 422A

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 390.3 ft. Total Hole Depth 8 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/24/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					
2	11.2	N/A 3/4		SP-CL	0-4': Top 6" is dark brown topsoil-then loose medium-coarse sand, brown, dry, no odor or staining, at 3' pieces of red brick, below brick, tight till like material, fine sand, silty clay fairly tight with orange mottling, no odor or staining.
4					4-8': No recovery, moved east 1'-gray clay with some orange mottling-transiitons into a softer clay, moist, blueish gray.
6	N/A	N/A 2/4		CL	
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring 422

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. ____ Total Hole Depth 8 ft. Diameter ____
Top of Casing ____ Water Level Initial ____ Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/24/01 Permit # ____
Checked By ____ License No. ____

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Asphalt base material-bottom .5' is fairyly tight, fine sand, silty clay, grayish brown with orange mottling, no odor or staining.
2	10.2	N/A 1.5/4		SM-CL	
4					4-8': No recovery.
6	N/A	N/A 0/4			
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring **422C**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *390.4 ft.* Total Hole Depth *8 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/24/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Topsoil, dry, brown, loose, fine–medium sand, some fine–coarse gravel, hit rock at ~3', no odor or staining.
2	18.0	N/A 2.5/4			
4				GC	4–8': .3' recovery, hit box at ~5.3'BGS, went to 6'BGS before punching through box, wood chips, strong coal tar like odor and sheen.
6	12.8	N/A <0.5/4			
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring 422D

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 390.4 ft. Total Hole Depth 8 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/24/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': 2' BGS hit brick, pushed through-brown, loose medium-coarse sand, dry, no odor, no staining.
2	7.2	N/A 1.5/4		SP	
4					4-8': Some sluff on top-rest is clay, gray clay with orange mottling, little silt, transitions to all clay which is softer, more moist, blueish gray.
6	8.1	N/A 2.5/4		CL	
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring 504A

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 389.1 ft. Total Hole Depth 8 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/23/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': .4' of topsoil, medium-coarse sand and ash fill, loose, large stone in bottom of shoe, white flakey material, moist, no odors or staining.
2	0.2	N/A 1.5/4		SP	
4					4-8': Some evidence of an abanded red tile pipe, some clayey medium-sand, moist-wet, brown, no odor or staining.
6	1.0	N/A 0.8/4		SC	
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring 504B

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *389.1 ft.* Total Hole Depth *8 ft.* Diameter ____
Top of Casing ____ Water Level Initial ____ Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/23/01* Permit # ____
Checked By ____ License No. ____

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Mostly loose ash–wood–medium–coarse sand, fill–bottom 6" is tight–till like silty clay/clayey silt with trace medium sand, moist, no odors or staining.
2	8.2	N/A 2/4		SP-CL	
4					4–8': Some red tile pipe like material (1st .2')–grayish clay with wood splinters approximately 4–6" in length at ~1.5' up from bottom of tube, slight black streaking on clay below wood chips.
6	16.2	N/A 1.8/4		CL	
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

IT CORPORATION
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Soil Boring 504C

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 389.3 ft. Total Hole Depth 8 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/23/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						
2	1.9		N/A 3/4		SP	0-4': 1' topsoil-2'fill, coarse sand withsome gravel, some ash and stone, no odor or staining, dry, becoming moist near bottom of tube.
4						4-8': 1' coarse to medium sand, some gravel fine-medium trace coarse gravel-6" bottom same material but packed and moist, slight odor at bottom .2'.
6	1.8		N/A 2/4		SP	
8						
10						
12						
14						
16						
18						
20						
22						
24						

Drilling Log

IT CORPORATION
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Soil Boring **609A**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. _____ Total Hole Depth *8 ft.* Diameter _____
Top of Casing _____ Water Level Initial _____ Static _____
Screen: Dia _____ Length _____ Type/Size _____
Casing: Dia _____ Length _____ Type _____
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/23/01* Permit # _____
Checked By _____ License No. _____

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					
2	0.0	N/A 2/4		CL	0-4': Grayish, brown silty clay with orange mottling, not very tight, piece of red brick just below top 6" of topsoil, no odor, moist.
4					4-8': Some loose debris on top 1'-next 1.5' is same as above but becoming more moist-next 8" of tube is wet, fine-medium brown sand- remainder of tube is clay, top 10" is brownish gray but turns to gray clay, bottom 6".
6	3.3	N/A 4/4		CL-SM	
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

IT CORPORATION
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Soil Boring 609B

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *387.3 ft.* Total Hole Depth *8 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/23/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Some loose debris top foot, brown medium–coarse sand, some ash– bottom 1.5' becomes tighter silty clay, grayish brown with orange mottling, some dark loose material at bottom of tube, all material is moist, no odors.
2	7.8	N/A 3/4		SM-CL	
4					4–8': Hit something hard ~6'BGS, sample has strong petroleum odor, sheen and black material visible at 6.5'BGS, material is clay.
6	41.7	N/A 2/4		CL	
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

IT CORPORATION
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Soil Boring 609C

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *387.2 ft.* Total Hole Depth *8 ft.* Diameter _____
Top of Casing _____ Water Level Initial _____ Static _____
Screen: Dia _____ Length _____ Type/Size _____
Casing: Dia _____ Length _____ Type _____
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/23/01* Permit # _____
Checked By _____ License No. _____

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Topsoil, brown, loose material, medium–coarse sand, some ash, no odor, no sheen, moist.
2	10.7	N/A 1/4		SP	
4					4–8': Loose material, some clay content, mostly same as above.
6	10.1	N/A 1/4		SP-SC	
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

IT CORPORATION
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Soil Boring 609D

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. ____ Total Hole Depth 8 ft. Diameter ____
Top of Casing ____ Water Level Initial ____ Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/23/01 Permit # ____
Checked By ____ License No. ____

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					
2	7.5	N/A 2.5/4		SP-CL	0-4': Top 1.5' is loose, fine-medium-coarse sand brown, moist-bottom 1' is tight silty clay, little fine sand with orange mottling, no odors or staining.
4					4-8': Entire tube is fairly tight, silty clay with little fine sand.
6	14.5	N/A 2/4		CL	
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

IT CORPORATION
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Soil Boring 609F

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *387.2 ft.* Total Hole Depth *8 ft.* Diameter _____
Top of Casing _____ Water Level Initial _____ Static _____
Screen: Dia _____ Length _____ Type/Size _____
Casing: Dia _____ Length _____ Type _____
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/23/01* Permit # _____
Checked By _____ License No. _____

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Hit a red brick .6'BGS, brown loose material coarse-medium sand, moist, no odor or staining bottom 1' is fairly tight silty clay, little fine sand, no petroleum odor, some orange mottling.
2	7.8	N/A 3/4		SP-CL	
4					4-8': Hit some obstruction at 4.7'BGS then hard at 5.3'BGS, some black sheen covered wood splinters, strong petroleum odor, wet-bottom 2" of tube is gray clay.
6	21.8	N/A 3.5/4		CL	
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

IT CORPORATION
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Soil Boring HP-1

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *390.1 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/25/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': 8" topsoil–dark brown, moist, remainder is loose medium–coarse sand, brown, dry & ash, trace coarse gravel, no staining or odor, ash has a whitish gray apperance.
2		N/A 2/4		GC	
4					4–8': Grahish silty clay, trace fine sand, fairly tight, coarse mottling, small lens of medium sand at 6' (less than 6"thick) remainder of tube is bluish gray clay, trace silt, moist, soft, no staining, no odor.
6		N/A 3/4		SM	
8					8–12': Soft, blue clay, trace silt, moist, some loose material from above.
10		N/A 1/4		CL	
12					12–16': No recovery, but had some water come out of tube.
14		N/A 0/4			
16					
18					
20					
22					
24					

Drilling Log

IT CORPORATION
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Soil Boring HP-3

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *391.6 ft.* Total Hole Depth *20 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/26/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': 8" topsoil with pieces of wood at bottom of soil–fine silty clayey sand, gray with orange mottling, no odor or staining.
2	5.0	N/A 2/4		SC	
4					4–8': Top 1' is silty, gray, clay, with orange mottling–bottom 1' is medium–coarse sand and gravel, slight odor in sand and gravel, sand and grave are wet.
6	0.2	N/A 2/4		CL	
8					8–12': Material is very wet, sloppy, some sand and gravel from above–bottom .3' is silty clay, soft, wet, gray, slight odor.
10	1.7	N/A 1/4		SC	
12					12–16': Some wet sand and gravel from above, interface of medium sand and clay at ~14', remainder is all gray clay, soft, moist to wet, no odors or staining.
14	11.4	N/A 2.5/4		CL	
16					16–20': No recovery.
18	N/A	N/A 0/4			
20					
22					
24					

Drilling Log

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Soil Boring HP-4

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 391.7 ft. Total Hole Depth 16 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/29/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Top 1' is dark brown topsoil–next .5' is black and white, ash–remainder of tube is fine clayey sand, gray with orange mottling, somewhat tight, no staining, no odor, moist.
2	0.8	N/A 3/4		SC	
4					4–8': Top .5' is sluff–remainder is loose fine–medium sand, little clay, moist.
6	3.9	N/A 1.5/4		SP	
8					8–12': No recovery, material got soft at 9'BGS–possibly clay layer.
10	N/A	N/A 0/4			
12					12–16': .5' of tight medium–coarse sand and gravel–possibly from above, medium–fine gray sand withsome clay–fining downwards into all gray clay, very little moisture.
14	18.1	N/A 2/4		CL	
16					
18					
20					
22					
24					

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Hydropunch **HP-4a**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 18.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material ____ Rig/Core ____

Drill Co. ADT Method Hollow stem auger

Driller ____ Log By John Santcroce Date 12/18/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						
	0	1 / 50%	h 1 2 2		ML	0.5' Brown topsoil, 0.1' brick, 0.4' ash
2	2.3	2 / 65%	2 5 3 2		ML	0.3' ash (sluff), 1' gray brown silt and fine sand with trace medium sand at top, orange mottling.
4	1.7	3 / 50%	4 3 4 3		ML	Same as above, trace corse to fine gravel, moist
6	na	4 / 0%	2 4 6 8			No recovery, pushed gravel
8	0	5 / 75%	h h h 1		CL ML	Gray silty clay, wet fine sand lens 0.5' into sample, 0.2' thick. Slight MGP like odor.
10	0	6 / 85%	1 1 1 1		CL ML	Gray silty clay. MGP like odor, slight sheen. Root at top of sample.
12	na	7 / 75%	h h h 1		CL ML / SP	Gray silty clay, then 0.2' of gray green fine sand at bottom, wet. No odor no sheen
14	1	8 / 50%	h h h h		SP / CL ML	Moist gray silty clay, 0.3' fine to medium sand at top of sample. No odors, no sheen.
16	0	9 / 100%	h h h h		CL ML	Gray silty clay. No odor, no sheen.
18						
20						
22						
24						

Drilling Log

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Soil Boring HP-5

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *390.6 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial *7.5 ft.* Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/29/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Top 1' is dark brown-black topsoil-next .5' is black-white ash- next .3' is tight medium-coarse sand and gravel-remainder is fairly tight fine sand-clayey texture, trace medium sand, gray with orange mottling, no odor or staining, moist.
2	9.1	N/A 2.5/4		SP	
4					4-8': Top .5' is clayey fine sand from above-remainder is wet, fine- medium sand, no odor, stains, brown grading into gray at ~5'BGS.
6	11.5	N/A 2.5/4		SM	
8					8-12': Wet-saturated, medium sand, some fine, little coarse, no odor or staining, gray.
10	11.8	N/A 2/4		SP	
12					12-16': No recovery-.1' of interval in sample-silty fine sand, clayey texture.
14	N/A	N/A 1/4			
16					
18					
20					
22					
24					

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Hydropunch **HP-6a**

Page: 1 of 1

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core ____

Drill Co. ADT Method Direct push

Driller ____ Log By John Santcroce Date 12/12/01 Permit # NA

Checked By ____ License No. ____

COMMENTS
No odors, no staining throughout

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0						Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						0.5' Dark brown topsoil, then 0.5' ash with a trace of black coal, 0.5' Light brown fine sand and silt
2	0	1 / 40%			SM	
4					SM / ML	0.3' Light brown fine sand and silt, 1' gray- brown silt and fine sand, 1' wet silt and medium sand and medium gravel
6	0	2 / 70%			GP GM	Water table @ 7' BGS
8						No Recovery
10	0	3 / 0%				
12						2' gray silty clay, 3 organic lenses, each 0.1' thick, little medium sand at bottom of tube
14	0	4 / 50%			CL ML	
16						
18						
20						
22						
24						

COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 1/9/02

Drilling Log

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Soil Boring HP-7

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *392.9 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/30/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Top 1' is topsoil–moist, dark brown, some medium–coarse sand, trace black ash material, less loose.
2	3.7	N/A 1/4		SP	
4					4–8': Silty fine sand, moist, gray with orange mottling, has clayey texture, fining with depth.
6	4.7	N/A 1/4		SC	
8					8–12': Top .3' is silty fine sand from above–trace coarse gravel, then sharp change to gray, silty clay, fining downwards, clay is soft, moist, no odor or staining, top of clay moist likely ~9'BGS.
10	3.7	N/A 1/4		CL	
12					12–16': All gray silty clay, to alternating bands of fine sand, .2' thick at 15'BGS and 14.6'BGS.
14	3.5	N/A 2.5/4		CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring H

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 392.3 ft. Total Hole Depth 12 ft. Diameter
Top of Casing Water Level Initial 7 ft. Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/30/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Top .5' is dark brown–.3' thick layer of black ash with piece of red brick–remainder of tube is fine silty sand, gray with orange mottling.
2	14.4	N/A 1.5/4		SM	
4					4–8': Some sluff from above, then tight silty clay little fine sand, gray with orange mottling, at ~6'BGS starts turning all gray, becoming softer, sand–medium, lens at 7.6' to 7.8'BGS, entire tube was wet, no odor or sheen.
6	13.4	N/A 3/4		CL	
8					8–12': Water in tube, some sluff, remainer was medium gray sand, with .1' of silty, gray clay in drive shoe, no odors or sheen.
10	14.4	N/A <1'/4		SC	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring HP-9

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 393.2 ft. Total Hole Depth 12 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 10/30/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': .5' of topsoil-.5' of black and gray ash, some gravel, remainder is gray-brown, fine, silty sand, tight, clayey texture, moist, trace gravel, no odor.
2	11.8	N/A 3/4		SP-SM	
4					4-8': Some sluff in tube, top 2' is fine silty sand from above, gray with orange mottling at 6'BGS, small lense of sand and gravel, <.1' thick, before we see gray, silty clay, wet, no odor or staining.
6	12.4	N/A 4/4		GC	
8					8-12': Soft, wet, gray, clay, .2' thick medium sand, lens at 11'BGS, no odor or staining.
10	9.5	N/A 2/4		CL	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring HP-10

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *393.9 ft.* Total Hole Depth *12 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *10/30/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': 1' of topsoil-yellow brick material-remainder of tube is gray, fine sand, some medium, orange mottling present, moist.
2		N/A 2.5/4		SP	
4					4-8': Top 1' is same fine sand from above-next 1' is medium gray sand, wet-bottom 1' is coarse gravel and sand, no odors or staining, wet.
6		N/A 3/4		GP	
8					8-12': Sand and gravel-bottom .1' in drive shoe was silty gray clay, material got even softer when pushing past 10'BGS.
10		N/A 1/4		GC	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

IT CORPORATION
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Soil Boring HP-11

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *390.0 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/01/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': 1.5' of dark brown topsoil-organics present-remainder of tube is fine silty sand, gray with orange mottling, moist, no odor or staining.
2	3.4	N/A 3/4		SM	
4					4-8': Top 1.5' is fine silty sand from above-sand and gravel start .5' up from bottom of tube, wet-possible water table.
6	0.8	N/A 2/4		SM-SP	
8					8-12': No recovery, most likely in gravel.
10	1.4	N/A 0/4			
12					12-16': Sand and gravel, wet, no odor or sheen-then .4' of silty gray clay, wet, difficult to tell when we entered clay.
14	0.3	N/A <1/4		CL	
16					
18					
20					
22					
24					

Drilling Log

IT CORPORATION
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Soil Boring HP-12

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *390.2 ft.* Total Hole Depth *12 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/01/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': 1' of dark brown topsoil-remainder is fine silty sand, little medium, gray with orange mottling, no odor or staining.
2	2.8	N/A 2.5/4		SP	
4					4-8': Top .3' is loose medium sand-remainder is gray, silty clay with orange mottling-bottom 1' is turning darker gray without orange mottling.
6	1.3	N/A 3/4		CL	
8					8-12': All gray silty clay, will not yield water, no H20 sample taken.
10	1.7	N/A 4/4		CL	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring HP-13

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 390.7 ft. Total Hole Depth 12 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/01/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': .5' is dark brown topsoil–remainder is gray with orange mottling moist, fine silty sand, no odors or staining.
2	3.8	N/A 2.5/4		SM	
4					4–8': Top 1' is fine silty sand from above–then becoming silty clay rest of tube except for bottom .8' which is fine–coarse gravel, wet, no odor or staining.
6	1.9	N/A 3.5/4		SM	
8					8–12': Top .3' is fine–coarse gravel wet–remainder is silty gray clay, no sign of significant water, not sampled.
10	0.9	N/A 3.5/4		CL	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring HP-14

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 390.9 ft. Total Hole Depth 12 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/01/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': 1' is brown topsoil-next 1' is gray with orange mottling fine silty sand-fineing to silty sand down to .3' from bottom which is medium sand lens, brown, wet, no odors or staining.
2	2.1	N/A 3/4		SM	
4					4-8': .1' of sand from above-remainder is gray silty clay.
6	1.7	N/A 3/4		CL	
8					8-12': Gray silty clay, fairly wet.
10	1.1	N/A 3/4		CL	
12					
14					
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring HP-15

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *389.9 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/06/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': 1' of topsoil–dark brown, light brown, fine sand, somewhat tight, no odor or sheen, dry.
2	0.0	N/A 3/4		SP	
4					4–8': Top .5' is sluff–next is same as above down to 6'–then becomes silty clay, moist, no odors or sheen, organics present.
6	1.0	N/A 4/4		OL	
8					8–12': Top 1.6' is brown–gray silty clay–then small .1' thick lens of sand–then silty, gray clay wet–bottom .8' is clayey sand, wet, no odors or staining.
10	0.0	N/A 4/4		CL	
12					12–16': Top .3' is gray silty clay–next .7' is medium, clay, silt, saturated–remainder is soft, saturated, loose clay, until 15'BGS, it becomes tighter, with small .1' thick brown sand lens, then more clay.
14	0.0	N/A 4/4		CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring HP-16

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 395.0 ft. Total Hole Depth 16 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/12/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0-4': Fine sand, little gravel, brown-topsoil-organics present, dry, no odor or sheen.
2	0.0	N/A 2.5/4			
4				GM	4-8': Same as above-bottom .3' is saturated sand and gravel, brown, no stains or odors.
6	0.0	N/A 1.5/4			
8					8-12': Brown, sand and gravel, saturated, no stains or odors.
10	0.0	N/A 2/4		GP	
12					12-16': Same as above-bottom 1.3' is silty clay with .1' thick sand lens at 15.7'BGS, no odors or stains, some organics in clay.
14	0.0	N/A 3/4		CL	
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring HP-17

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*
Location *Ithaca, NY* Proj. No. *831152*
Surface Elev. *390.4 ft.* Total Hole Depth *16 ft.* Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material *Bentonite Chips* Rig/Core *GeoProbe*
Drill Co. *ADT* Method *Direct Push*
Driller *Marty Bachner* Log By *M. Puglisi* Date *11/13/01* Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Moist, brown, fine–medium sand, some coarse gravel, organics present, no odors or staining.
2	0.0	N/A 1.5/4		SP	
4					4–8': Fine sand, some medium wet, brown, trace gravel.
6	0.0	N/A 1/4		SP	
8					8–12': Gray, silty clay, wet, some organics visible in clay, no odors or sheen.
10	0.0	N/A 2/4			
12				CL	12–16': 2' of sluff–then 2' of gray silty clay, sand lens .2' thick at 15–15.2'BGS, wet–saturated.
14	0.0	N/A 2/4			
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring HP-1

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 388.0 ft. Total Hole Depth 16 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/13/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': Topsoil, brown, moist, fine–medium sand, some silt, trace coarse gravel, grass and other organics present, no odors or staining.
2	0.0	N/A 1/4		SM-SP	
4					4–8': Top .5' is sluff–remainder is gray silty clay, soft, no staining or odors, wet.
6	0.0	N/A 1.5/4			
8					8–12': Same as above, becoming more firm with depth until bottom .2' getting soft again, medium sand lens at 9.8–10'BGS, no staining or odors.
10	0.0	N/A 2.5/4		CL	
12					12–16': Gray, silty clay, very soft.
14	0.0	N/A 1.5/4			
16					
18					
20					
22					
24					

Drilling Log

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Soil Boring HP-19

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. 387.9 ft. Total Hole Depth 24 ft. Diameter
Top of Casing Water Level Initial Static
Screen: Dia Length Type/Size
Casing: Dia Length Type
Fill Material Bentonite Chips Rig/Core GeoProbe
Drill Co. ADT Method Direct Push
Driller Marty Bachner Log By M. Puglisi Date 11/14/01 Permit #
Checked By License No.

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					0–4': .8' of topsoil, brown fine–medium sand, organics, silty .1–.2' of gravel and sand, fine gravel fill–remainder is fine–medium sand, silty, with some organics present, gray with orange mottling, no odors or staining.
2	0.0	N/A 2.5/4		SM-SP	
4					4–8': Fine sand, little clay, moist gray with orange mottling, no staining or odor.
6	0.0	N/A 1.3/4		SC	
8					8–12': Gray, silty clay, wet, no staining, but has MGP like odor.
10	14.2	N/A 3/4		CL	
12					12–16': Top .5' is medium sand, sheen, small amount of NAPL odor in material–then silty clay to 15.2'BGS, then more sand with sheen and odor.
14	15.0	N/A 2.5/4		SC	
16					16–20': Sand lens at ~18.5'BGS with heavy sheen and NAPL–then silty clay at 19.2'BGS piece of wood with odor–.3' of clay, then .4' of wood with faint, MGP like odor–remainder is silty clay, no odors or sheen.
18	11.8	N/A 2.8/4		OL	
20					20–24': Silty clay, gray, no odor, becoming more coarse with depth becoming brown and more dry.
22	2.0	N/A 2/4		CL	
24					

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Hydropunch **HP-20**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push, parasitic pump

Driller M. Bauchner Log By M. Puglisi Date 12/3/01 Permit # NA

Checked By ____ License No. ____

COMMENTS
Water sample at 14:05 BTEX, PAH, Cyanide

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						0.8' of brown Top soil , pieces of tree root, 1' of whitish gray ash with some black slag, then remainder of sample is light gray fine sand, little medium sand, some orange mottling as well. No staining, no odor.
2					SP	
4						same as above for top 0.8', then remainder is fine to medium sand, brown, moist, trace gravel, little corse sand, moist to wet at the bottom 0.2'. No odors, no staining
6					SP	
8						Last 1' pushed easy, no recovery. Water in tube. No odor, no sheen.
10						
12						Sand and gravel, possibly sluff, saturated. Slight odor of MGP like material, slight sheen on water in tube. Will attempt water sample.
14					SP	
16						
18						
20						
22						
24						

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Hydropunch **HP-21**

Project *NYSEG- Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Surface Elev. *NA* Total Hole Depth *16.0 ft.* North _____ East _____

Top of Casing *NA* Water Level Initial *NA* Static *NA* Diameter *2 in.*

Screen: Dia *NA* Length *NA* Type/Size *NA*

Casing: Dia *NA* Length *NA* Type *NA*

Fill Material *Bentonite* Rig/Core *Geoprobe*

Drill Co. *ADT* Method *Direct push, parasitic pump*

Driller *M. Bauchner* Log By *M. Puglisi* Date *12/3/01* Permit # *NA*

Checked By _____ License No. _____

COMMENTS
Took Water sample at 15:15. Came back to location 12/7/2001 at 10:00 to sample 8'12' which we will ship to lab for fingerprint analysis.

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			Moist brown topsoil, then 0.8' brown medium sand, moist, little fine to corse gravel, bottom 0.5' is dry fine sand and light gray silt, orange mottling. No odors, no staining.
2	0	1 / 65%			SP	
4			na		SP	Top 1.5/ is brown, dry, fine to medium sand, bottom 0.8' is fine to corse gravel, saturated, Slight BTEX like odor.
6	0	2 / 50%			SP	
8			na		GP	Gray corse sand and fine to corse gravel, some medium sand, saturated. Slight BTEX like odor.
10	1.8	3 / 65%			SP	
12			na			about 0.5' of recovery, probably sluff, gravel, hammer got light at about 14.5' BGS.
14	na	4 / 0%				
16						
18						
20						
22						
24						

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Drilling Log

Hydropunch **HP-22**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push, parasitic pump

Driller M. Bauchner Log By M. Puglisi Date 12/6/01 Permit # NA

Checked By ____ License No. ____

COMMENTS
Water sample @ 12'-16' BGS at 9:15

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0			na		SP	1' Brown topsoil, 0.2' of white ash, then .4' of sand and gravel, tight remainder is silty fine sand, gray with orange mottling. organics visible, moist. No odors or staining
2	0	1 / 75%			ML	
4			na			Same silt and fine sand from above, grades into silty gray clay at 7.5' BGS. No staining, no odor
6	0.6	2 / 90%				
8			na		CL ML SP	Top 0.4' is fine to medium sand, gray, saturated, then silty gray clay. No odor, no staining.
10	4.0	3 / 180%			CL ML	
12			na			No recovery
14	NA	4 / 0%				
16			na			No recovery. Slight odor on tube, will attempt water sample.
18	NA	5 / 0%				
20						
22						
24						

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Hydropunch **HP-23**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 20.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/13/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			1' Dark brown top soil, 1' gray brown silt and fine sand, moist to wet. No odor, no sheen
2	0	1 / 50%			ML	
4			na			No recovery
6	na	2 / 0%				
8			na			Gray silty clay, tight, wet. No stain, no odor.
10	0	3 / 30%			CL ML	
12			na		CL ML SP	Same as above, sand lens at 12.3' BGS to 12.8' BGS. Saturated in sand, wet clay, silt. No odor, no stain.
14	0	4 / 65%			CL ML	
16			na			Gray silty clay and fine to medium sand, wet. No odor no sheen. trace organics
18	0	5 / 30%			CL ML	
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Hydropunch **HP-24**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/13/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0			na			0.6 dark brown topsoil, then 0.6' ash, then 1' brown medium sand, some fine sand and silt, then 0.8 Brown gray silt and fine sand with a trace of medium sand. Brick at 1.5'. no odor, no sheen.
2	0	1 / 75%			ML	
4			na			Brown Gray silt and fine sand, moist, tight. No odor, no sheen.
6	0	2 / 35%			ML	
8			na		ML	1' Brown silt and fine sand, 0.5' sand and clay lens, wet. then 1.5' of gray silty clay
					SC	
10	0	3 / 75%			CL ML	
12			na			Gray silty clay, moist. No odor, no sheen. **** No water available for sample******
14	0	4 / 50%			CL ML	
16						
18						
20						
22						
24						

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Hydropunch **HP-25**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 16.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 2 in.

Screen: Dia NA Length NA Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Bentonite Rig/Core Geoprobe

Drill Co. ADT Method Direct push

Driller M. Bauchner Log By M. Puglisi Date 12/13/01 Permit # NA

Checked By ____ License No. ____

COMMENTS
Unable to obtain enough flow for water sample

Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0			na			0.6 Topsoil, dark brown with organics, then 1' ash - white and black, then 1.4' of light brown, medium to fine sand and silt. No odor, no sheen.
2	0	1 / 75%			SM	
4			na			Gray tan silt and fine sand with orange mottling, wo small sand lenses at 5.5', 7' BGS
6	0	2 / 90%			ML	
8			na		ML	
10	.1	3 / 65%			CL ML	1' gray tan silt and fine sand, then 1.5' gray silty clay. No odor, no sheen.
12			na			Moist gray silty clay. No odor, no sheen
14	0	4 / 75%				
16					CL ML	
18						
20						
22						
24						

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-13D**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 46.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core CME-75

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 1/23/02 Permit # NA

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COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0				1 1			
		0	1 / 50%	2 2		SM	Brown topsoil, f-m sand, no odor or staining, moist, trace gravel
2				2 7		SM	Same as above, bottom 0.2' is f-c gravel
		0.3	2 / 40%	4 2		GP	
4				1 2		SM	Moist, f-m sand, little silt, gray-brown
		0.1	3 / 45%	2 3			
6				3 7		SM	Same as above, bottom 0.2' is f-c gravel.
		0	4 / 25%	9 9		GP	
8				5 6		GP	Spoon has hit water table. C-gravel, saturated, brown.
		0	5 / 10%	6 4			
10				2 3			No recovery
		N/A	6 / 0%	3 1			
12				2 1		GP	Sand and f-c gravel, 0.1' of gray silty clay in shoe, saturated, no odor or staining.
		0.2	7 / 10%	1 1			
14				1/12 1		CL	Silty clay,gray, moist to wet.
		0.1	8 / 75%	1 1			
16				H/18		CL	Silty clay, gray, soft, wet.
		0	9 / 100%	2			
18				H/2		CL	Same as above
		0.8	10 / 100%				
20				H/2		CL	Soft, same as above, saturated f-m sand lens 0.4' thick at 21.2' BGS.
		0.1	11 / 100%				
22				H/2		CL	Same as above, saturated, small lens 0.2' thick at 23' BGS
		0	12 / 100%				
24							

Continued Next Page

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-13D**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
							Continued
24		N/A	13 / 0%	1 1 1 3			No recovery
26		0.1	14 / 100%	5 6 5 8		CL / GP	Silty clay, gray, wet, bottom 0.8' is f-c sand + gravel, no odors or staining
28		0.3	15 / 50%	4 5 9 10		SP	F-c sand, gray, some c-gravel, saturated, no odors or sheen.
30		0.2	16 / 50%	9 9 20 45		SP / SM	0.6' of c-sand and f-c gravel, tight, remainder is silty f-m sand, saturated, tight. No odors or staining
32		0.2	17 / 100%	H 2 3 3		SM	Saturated f-m sand, little silt
34		0.1	18 / 80%	H 2 1 1		SM	Saturated, silty f-sand, trace shell material
36		0	19 / 85%	H 2 3 4		SM	Same as above
38		0	20 / 60%	R/6 H/18		SM	Same as above
40		0.1	21 / 100%	H/2		SM	Same as above
42		0.1	22 / 90%	1 1 1 1		ML	Sandy silt, gray, saturated, no odors or staining, bottom 0.1' is little clayey
44		0	23 / 100%	H/1 1 2		ML	Same as above, bottom 0.3' is more silty clay
46		0.2	24 / 90%	H/1 1 3		CL	Silty clay, gray, tight.
48							
50							
52							
54							
56							

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 2/19/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-13S**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 15.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core CME-75

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 1/23/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							For description of geology, see MW-13D.
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 2/20/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-14s**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 10.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 7 ft. Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Sand with bentonite cap Rig/Core ____

Drill Co. ADT Method Hollow stem auger

Driller ____ Log By John Santcroce Date 12/17/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0							Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0		0	1 / 50%	1 2 2 1		SP	0.5' Topsoil, then 0.f' fine to medium sand and gravel
2		0	2 / 50%	1 2 1 3		SM	0.2 ash gray and black, then 0.8 moist silt and fine sand
4		0	3 / 75%	1 1 1 2		ML	wet tan gray silt and fine sand
6		0	4 / 100%	h 1 2 2		SP ML	1' wet tan gray silt and fine sand, 0.5' wet Fine sand and silt with some medium sand, 0.5' wet, tan gray silt and fine sand. Orange mottling.
8		0	5 / 90%	h h h h		CL ML	0.3' silt and fine sand, gray - brown, 1.5' gray silty clay moist.
10							
12							
14							
16							
18							
20							
22							
24							

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 1/9/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-14d**

Project *NYSEG- Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Surface Elev. *NA* Total Hole Depth *34.0 ft.* North _____ East _____

Top of Casing *NA* Water Level Initial *NA* Static *NA* Diameter *4.25 in.*

Screen: Dia *2 in.* Length *10 ft.* Type/Size *NA*

Casing: Dia *NA* Length *NA* Type *NA*

Fill Material *Sand with bentonite cap* Rig/Core _____

Drill Co. *ADT* Method *Hollow stem auger*

Driller _____ Log By *John Santcroce* Date *12/20/01* Permit # *NA*

Checked By _____ License No. _____

COMMENTS
No odors, no staining throughout

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
							Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0				na			
2						SP	SEE LOG FOR MW-14S. 0-10 GEOLOGY INFERED FROM MW-14S
4						SM	
6		na	na / %			ML	
8						SP / ML	
10						CL ML	
12		0	1 / 100%				Gray silty clay, moist
14		0	2 / 100%			CL ML	same as above
16		0	3 / 100%			CL ML	Moist gray silty clay, fine sand 1.5 feet from top of sample
18		0	4 / 100%			SW / CL ML	Gray silty clay with small 0.25' sand lens near bottom of sample
20		0	5 / 100%			CL ML	Gray silty clay
22		0	6 / 100%			CL ML	Same as above
24		0	7 / 100%			CL ML / SM	1' Wet silty clay, then 0.5 pete, red organics, tight, then 0.5 gray brown silt,clay and sand
26		0	8 / 90%			SP	Gray olive saturated fine to medium sand, trace pebbles, organics present. Secondary aquifer @ 24' BGS
28		0	9 / 50%			SP	Wet olive gray fine to medium sand, little silt
30		0	10 / 75%			SP / SM	0.5' olive gray fine- medium sand, wet. 1' sand and silt, trace clay, moist
32		0	11 / 50%			SM	sand and silt, trace clay
34		0	12 / 50%			CL ML	Moist tight gray silty clay, trace fine sand and organics

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-15**

Project NYSEG- Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 10.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 7 ft. Type/Size NA

Casing: Dia NA Length NA Type NA

Fill Material Sand with bentonite cap Rig/Core ____

Drill Co. ADT Method Hollow stem auger

Driller ____ Log By John Santcroce Date 12/18/01 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0				h 1 1 1			Brown top soil
		0	1 / 50%				White ash
2				1 1 1 2		ML	Moist gray brown silt and fine sand, trace medium sand
		0	2 / 25%	4			
4				3 2 2 2		ML	Wet, gray brown silt and fine sand, trace medium sand. No odor, no sheen.
		0	3 / 25%				
6				2 1 h h		GP	Saturated sand and gravel, slight MGP like odor
		1.2	4 / 25%				
8				h h h h		CL ML	Gray silty clay, wet at top of spoon. Slight MGP like odor, no sheen.
		.5	5 / 90%				
10							
12							
14							
16							
18							
20							
22							
24							

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-15D**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 36.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

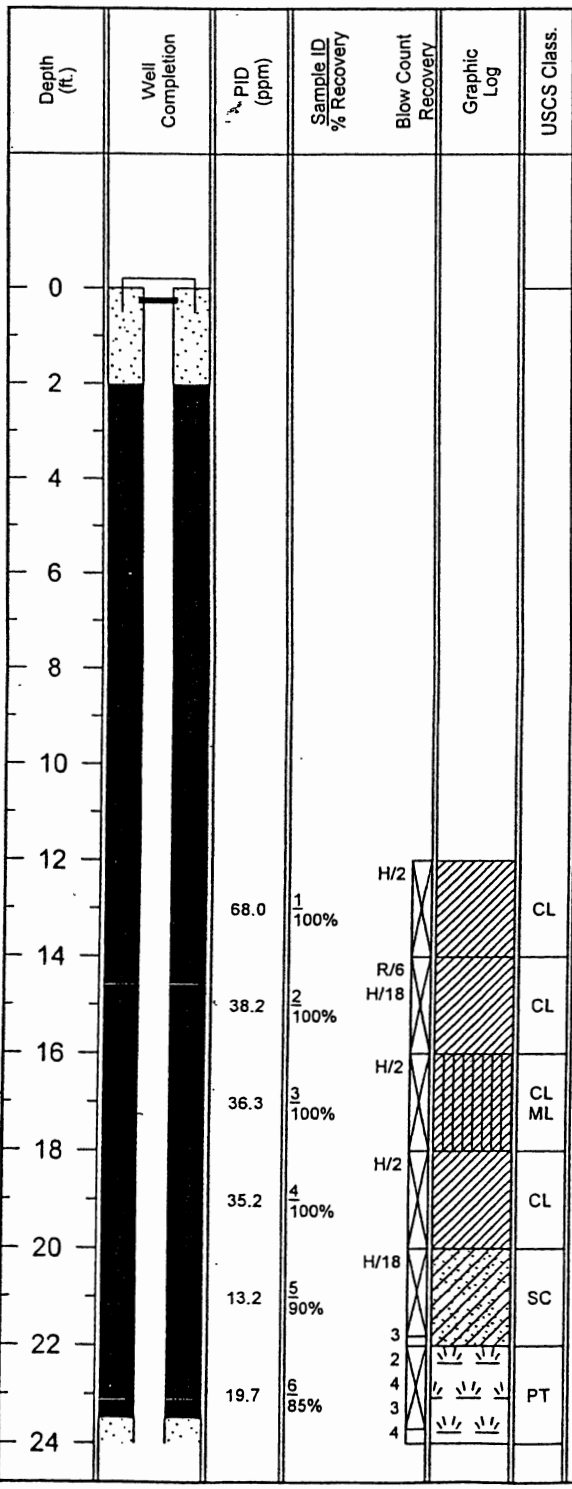
Fill Material #0 sand, and bentonite Rig/Core CME-75

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 1/22/02 Permit # NA

Checked By ____ License No. ____

COMMENTS



Description

(Color, Texture, Structure)

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

HSA to 12' BGS, no split spoons taken

Soft, wet, gray, silty clay, lens of f-m sand 0.1' thick at 13.3' BGS. No odors or staining.

Tighter, gray, silty clay, slight odor, no sheen.

Soft, wet silty clay, gray, becoming more loose, with little f-m sand, no odors or staining

Fairly tight, silty clay, gray, no odors or sheen, bottom 0.2' is silty f-m sand, gray, no odors.

Silty f-sand, gray, saturated, little clay content, bottom 0.2' is brown, organic layer, no odors or staining

Brown peat layers interlaced with gray f-m sand, no odors

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-15D**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
							Continued
24		11.7	7 / 100%	R/18 H/6		SP	Wet, loose, saturated m-sand, no odors or staining
26		13.1	8 / 65%	H/6 1 1		SM	Loose, sand from above, then tighter moist f-sand, some silt, organics present, no odors or staining
28		11.2	9 / 90%	1 R/6 H/18		SM	Fine sand and silt, gray, trace clay, wet, no odors or staining, organics
30		11.1	10 / 100%	H/2		OL	Same as above, bottom 0.1' is silty clay, no odors, organics present
32		11.6	11 / 100%	H/2		OL	Silty fine sand, some clay, no odors or staining, organics present
34		11.4	12 / 100%	H/2		OL	Silty clay, pieces of shell material in bottom 0.8', no odors.
36		11.3	13 / 85%	H/1 2 2		OL	Same as above, more clay content.
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 2/20/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-16S**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 14.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 8.5 ft. Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

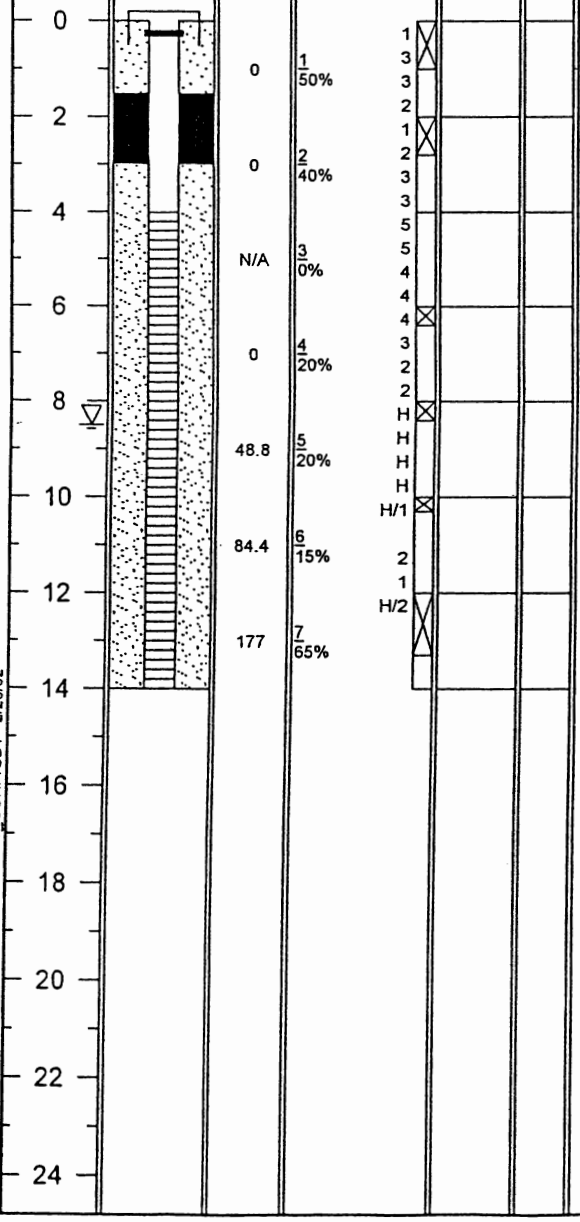
Fill Material #0 sand, and bentonite Rig/Core CME-75

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 1/21/02 Permit # NA

Checked By ____ License No. ____

COMMENTS



Description

(Color, Texture, Structure)

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

Dark brown topsoil, pieces of roots, fine silty sand at bottom 0.1', grayish brown with orange mottling.

Silty fine sand , grayish brown, orange mottling. No odors or staining

No recovery, some pieces of roots.

Gray silty clay, soft, wet, slight odor - MGP like

Tighter, same as above, not as wet.

Same as above

Silty, gray clay, MGP like odor, sheen.

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 2/20/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-17D**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 34.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

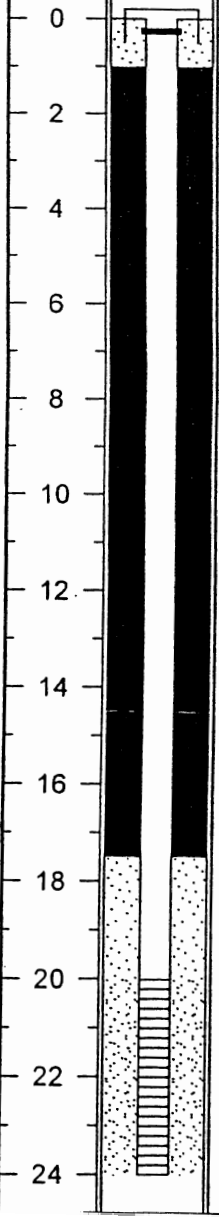
Fill Material #0 sand, and bentonite Rig/Core CME-75

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 1/29/02 Permit # NA

Checked By ____ License No. ____

COMMENTS



Depth (ft.)	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0	0	1 / 60%	1 1 2 2		SP	0.3' of brown topsoil, then brown f-m sand, moist, no odors
2	0	2 / 50%	7 40 9 8		CL ML	Large piece of wood, 0.2' of tight, silty clay at bottom, may push augers out
4	0	3 / 50%	6 3 3 4		CL	Piece of wood on top, then tight gray clay
6	N/A	4 / 0%	3 1 H/1			No recovery, piece of wood stuck in shoe
8	0	5 / 50%	1 1 H/1		CL ML	Gray, silty clay
10	0.2	6 / 80%	R/18 H/6		CL	1.2' of clay, then silty, f-m sand, saturated. No odors or staining
12	0	7 / 50%	R/6 3 3 3		GP	Saturated f-c sand and gravel
14	0.1	8 / 50%	H/1 2 1		GP	0.7' of sand and gravel, then silty clay, gray with small brown band near bottom, no odors or staining.
16	0.1	9 / 50%	R/6 H/1 1		GP	Saturated m-c sand and f-gravel, no odors or staining
18	0	10 / 40%	H/1 2 4		CL ML	0.2' of s+g, then silty clay
20	0	11 / 50%	R/6 H/1 2		CL	0.3' of silty clay then brown clayey silt -almost peat like, no odors or staining
22	0	12 / 60%	H/18 2		SM	Silty f-sand, saturated
24						

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-17D**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
							Continued
24		0	13 / 50%	R/6 H/1		SM	Silty f-sand, saturated, tight, no odor or staining
26		0	14 / 80%	1 R/6 H/18		SM	Moist to wet f-sand silt
28		0.2	15 / 65%	H/2		OL	Clayey silt, moist to wet, no odors, trace shell material
30		0.3	16 / 70%	R/1 H/1		CL ML	Silty clay, moist to wet, soft, no odors, some organics and shell material present
32		0	17 / 60%	H/2		CL	Clayey silt, tight
34		0.2	18 / 80%	R/1 H/1		CL ML	Silty clay, with shell material and organics, no odors or staining
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-17S**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 9.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 5 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core CME-75

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 1/29/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							For description of geology, see MW-17D
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-18D**

Project: NYSEG-Court St. MGP Site | Owner: NYSEG

Location: Ithaca, NY | Proj. No.: 831152

Surface Elev.: NA | Total Hole Depth: 32.0 ft. | North: | East:

Top of Casing: NA | Water Level Initial: NA | Static: NA | Diameter: 4.25 in.

Screen: Dia: 2 in. | Length: 10 ft. | Type/Size: Sch. 40, PVC/10 slot in.

Casing: Dia: NA | Length: NA | Type: NA

Fill Material: #0 sand, and bentonite | Rig/Core: CME-75

Drill Co.: ADT | Method: Hollow Stem Auger

Driller: Less Darrow | Log By: M. Puglisi | Date: 1/24/02 | Permit #: NA

Checked By: | License No.:

COMMENTS
Raining and cold

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0		0.3	1 / 10%	2 3 5 5			0.1' of topsoil, then piece of wood (root)
2		0.1	2 / 35%	2 1 2 4			Brown topsoil for0.2', some black + white ash fill, wood, then grayish-brown silty fine sand with orange mottling, no odors or staining.
4		0	3 / 65%	2 2 2 3		SM	Gray-brown, silty f-sand, orange mottling, bottom 0.2' is f-m sand, wet. No odors or staining.
6		0	4 / 70%	1/2'		CL ML	Wet, silty clay, little f-sand, orange mottling, grayish-brown, no odor or staining
8		0.1	5 / 85%	H/2		CL ML	Same as above, with no f-sand, becoming softer, orange mottling decreases with depth, no odors or staining.
10		0	6 / 100%	H/2		CL ML	Soft, gray, silty clay, no odors or staining
12		0	7 / 100%	H/2		CL ML	Same as above, some organics visible
14		0.3	8 / 100%	R/6 H/18		CL ML	Same as above, becoming tighter near bottom, bottom 0.3' has little fine sand
16		0.3	9 / 40%	H 2 2 4		CL ML	0.6' same as above, wetter, bottom 0.2' is f-m sand, gray, saturated, no odor or staining
18		0.2	10 / 100%	1 1 4 6		GC	Fine-coarse sand, some f-gravel, trace c-gravel, saturated, small lens of silty clay 0.2' thick at 19.5'BGS then back to s+g
20		0	11 / 100%	1 2 5 10		GP	Same as above, no clay
22		0	12 / 100%	R/1 4 2		GP	Same as above
24							

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-18D**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
							Continued
24		0.2	13 / 35%	1 3 5 4		GC	Same as above, little silt and clay mixed in, saturated, trace organics
26		0	14 / 85%	R/1 1 2		SP	Fine-coarse sand, f-gravel, saturated
28		0	15 / 90%	1 1 1 4		SP	Same as above, then silty clay, gray, tight at 29.6' BGS
30		0.1	16 / 70%	H/2		CL	Silty clay, gray
32							
34							
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-18S**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 9.5 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 5 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core CME-75

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 1/24/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							For description of geology, see MW-18D.
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-19D**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 32.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch: 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core CME-75

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 1/22/02 Permit # NA

Checked By ____ License No. ____

COMMENTS
Background PID ~1.1 ppm to ~1.4 ppm, cal checked instrument- ok.

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0				1 2 1 3		SP	0.3' of topsoil, black and white ash fill, bottom 0.1' is brown m-sand with trace c-sand, no odor or staining
2		0	1 / 40%	2 3 4 4		SP SM	Grayish brown, orange mottling, trace c-gravel, fine silty sand, little clay
4		0.3	2 / 35%	1 1 2 2		SP SM	Gray, orange mottling, silty f-sand, bottom0.2' is silty clay, tight, no odors or staining
6		0.9	3 / 50%	2 1 2 1		CL ML	Wet, tight, gray silty clay orange mottling disappearing with depth, no odors or staining
8		1.4	4 / 100%	H/2		CL ML	Gray silty clay, no odors or staining, 0.2' thick m-sand lens at 9.7' BGS
10		1.8	5 / 100%	H/2		CL	Firm, gray,clay, no odors or staining
12		1.7	6 / 100%	H/2		CL ML	Same as above, little silty f-sand, no odors or staining
14		2.1	7 / 70%	H/2		CL ML	Gray, silty clay, some organics, no odors or staining
16		2.2	8 / 100%	H/6 2 2 3		CL	Gray, silty clay coarsening with depth, bottom0.2' is m-c sand, trace f-gravel
18		1.9	9 / 100%	H/6 3 1 3		SP SM	Loose, saturated, gray m-c sand, little f-gravel, bottom0.2' was silty clay with piece of wood at bottom
20		1.7	10 / 55%	H/1 1 2		PT	0.8' of f-m sand little c-sand, remainder is tight, brown, f-sand, almost peat like in texture
22		1.5	11 / 70%	2 2 1 2		PT	0.3' thick silty clay lens, then 0.2' of m-sand, then brown peat like material
24		2.1	12 / 50%				

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COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 2/20/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-19D**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
							Continued
24		1.1	13 / 100%	H/2		SP SM	Fine-medium sand, 0.3' of peat like material at 24.2' BGS, remainder is silty f-sand, wet
26		2.2	14 / 70%	3 1 1 1		CL ML	Silt and clay, dry
28		1.6	15 / 100%	R/6 H/18		OL	Silty clay, little f-sand, some shell material present, soft, wet, no odors or staining
30		1.5	16 / 100%	R/1 H/1		CL ML	Silty clay, wet, fairly tight, no odors or staining
32		1.1	17 / 100%	H/2		OL	Silty clay, little shell material, no odors
34							
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 2/20/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-20D**

Project: NYSEG-Court St. MGP Site | Owner: NYSEG

Location: Ithaca, NY | Proj. No.: 831152

Surface Elev.: NA | Total Hole Depth: 36.0 ft. | North: | East:

Top of Casing: NA | Water Level Initial: ▽ 7.0 ft. | Static: NA | Diameter: 4.25 in.

Screen: Dia: 2 in. | Length: 10 ft. | Type/Size: Sch. 40, PVC/10 slot in.

Casing: Dia: NA | Length: NA | Type: NA

Fill Material: #0 sand, and bentonite | Rig/Core: Davey Drill, DK-50, track mounted

Drill Co.: ADT | Method: Hollow Stem Auger

Driller: Less Darrow | Log By: M. Puglisi | Date: 2/26/02 | Permit #: NA

Checked By: | License No.:

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0				1 4 4 3			Black topsoil, with 0.4' of slag fill + f-c gravel
2		0.0	1 / 50%	3 4 5 4		SP	Brown f-m sand, with orange mottling, no odor or staining.
4		0.0	2 / 65%	1 2 3 2		SP SM	Same as above for 0.4', then clayey, f-m sand, wet, gray, no odor or staining, little f-gravel
6	▽	0.0	3 / 50%	2 9 3 4		SP SM	Same as above bottom 0.6', wet to saturated, little coarse gravel , bottom 0.1' is gray silty f-sand
8		0.0	4 / 45%	H/1 2 2		OL	Gray silty clay,wet, no staining or odors, trace organics
10		0.0	5 / 75%	H/1 2 1		OL	0.3' of saturated silty f-sand, then same as above
12		0.0	6 / 80%	2 3 3 2		SM	0.5' of silty clay, then 1.0' of m-c sand, trace c-gravel, saturated, then 0.5' of gray silty f-sand (peat like), slight clayey texture, moist, no odors or staining, some organics
14		0.0	7 / 100%	H/1 1 2		SC SM	Alternating bands of f-m sand and silty clay, saturated sand, clay is wet, no odors or staining
16		0.0	8 / 100%	H/6 2 2 2		SC SM	0.3' of m-sand, saturated, little f-sand, then silty clay, no odors or staining
18		0.0	9 / 80%	H/2		OH	Gray silty clay, no odors or staining, firm, organics present
20		0.0	10 / 100%	R/6 H/1 2		OH	Same as above
22		0.0	11 / 100%	3 4 4 6		OH	Same as above, bottom 0.3' is silty f-sand, some bands of brown peat like material
24		0.0	12 / 100%				

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I_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 3/4/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-24D**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
							Continued
24		0.0	13 / 75%	H/6, 1, 2, 3		SC SM	0.3' of f-m sand, saturated, then 0.5' thick brown layer(peat), then clayey, sandy silt, soft
26		0.0	14 / 50%	3, 6, 7, 6		SP	Saturated, gray, f-m sand, no odors
28		0.0	15 / 100%	R/1, 1, 3		SP SM	Saturated gray f-m sand, bottom 0.3' becoming silty, no odors
30		0.0	16 / 100%	H/1, 2, 2		SP SM	1.5' of sand from above, then silty f-sand, little m-sand,organics and trace shell material present
32		0.0	17 / 65%	2, 2, 5, 6		SM	Silty f-sand, little m-sand, organics, bottom 0.3' has 0.1' thick band of peat, no odors
34		0.0	18 / 100%	R/6, H/18		OL	Saturated f-m sand top 0.5', then 0.3' of silty f-sand, then silty clay, organics and shell material present
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 3/4/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-24S**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 14.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core Davey Drill, DK-50, track mounted

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 2/28/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							For description of geology, see MW-24D.
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 3/4/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-23S**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 14.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core Davey Drill, DK-50, track mounted

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 2/27/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							For description of geology, see SB-99.
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 3/4/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-24D**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 34.0 ft. North ____ East ____

Top of Casing NA Water Level Initial ▽ 13.0 ft. Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core Davey Drill, DK-50, track mounted

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 2/28/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							
		0.0	1 / 60%	5 5 9 11			Black ash and slag fill for 0.6' then s+g, brownish gray, moist, no odors
2		0.0	2 / 50%	5 4 5 1		SP SM	Light brown to tan with orange mottling, silty f-sand, some f-c gravel, no odors
4		0.0	3 / 50%	3 2 2 5		SM	0.3' of f-m sand, then gray and orange silty f-sand, no odors, moist, organics present
6		0.0	4 / 75%	2 2 3 4		SM	Same as above, becoming clayey with depth, orange mottling disappears with depth, no odor, organics present
8		N/A	5 / 0%	1 1 1 2			No recovery
10		0.0	6 / 75%	H/2		OL	Gray clay, no odors or staining, moist to wet, firm
12		0.0	7 / 50%	1 1 2 2		OL	Same as above wet to saturated
14		0.0	8 / 80%	H/18		OL	Same as above, 0.2' thick lens of clayey f-m sand at 15' BGS
16		0.0	9 / 50%	2 1 2 2 2		OL	Softer than above, bottom 0.2' is clayey silt, saturated, no odors
18		0.0	10 / 70%	H/2		CL	0.3' of f-m sand, gray, saturated, then gray silty clay, no odors, clay is soft and wet
20		0.0	11 / 100%	R/2		SM	0.4' of saturated f-m sand, then sandy silt, soft, saturated, then 0.5' of saturated f-m sand, then back to sandy silt, no odors
22		0.0	12 / 60%	H/6 1 2 2		SC SM	Soft, sandy silt, slight clayey texture, becoming finer with depth, no odors
24							

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-23D**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 32.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core Davey Drill, DK-50, track mounted

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 2/27/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
							Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							Drilled to 16' BGS, for description of geology see SB-99.
16		0.0	1 / 100%	1 1 1 1		OL	Gray silty clay, organics present, no odors or staining, moist to wet
18		0.0	2 / 100%	1 1 1 2		SP SM	Grayish brown (change at 18.4' BGS) sandy silt with clayey texture, numerous organics present, some shell material, no odors, moist
20		0.0	3 / 100%	1 1 1 1		SP SM	Silty, f-sand, little m-sand, gray/brown, moist to wet at bottom 0.4', organics throughout, no odors
22		0.0	4 / 100%	1 1 1 1		SP SM	Same as above, saturated, slight clayey texture
24							

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-23D**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
							Continued
24		0.0	5 / 100%	1 1 1 1		SP SM	Same as above, moist to wet, no odors
26		0.0	6 / 65%	2 1 1 2		SM	Saturated,dark gray, silty f-sand/sandy silt, organics and shell material present, no odors
28		0.0	7 / 100%	H/18 2		SM	Same as above, bottom 0.2' not as wet
30		0.0	8 / 100%	H/1 1 1		SM	Same as above, moist, bottom 0.3' becoming slightly clayey, no odors
32		0.0	9 / 80%	2 2 2 4		OL	Silty clay, gray, with organics and shell material, no odors, wet
34							
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 3/4/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-22D**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
							Continued -
24		0.0	13 / 60%	H/1, 1, 1		SM	Silty, f-sand, wet, no odors or staining
26		0.0	14 / 75%	1, 1, 1, 2		SM	Same as above, organics present, little shell material present
28		0.0	15 / 100%	H/2		SM	Same as above, wet
30		0.0	16 / 90%	H/2		SM	Same as above, bottom 0.4' is silty clay with organics and shell material
32		0.0	17 / 75%	H/1, 1, 2		OL	Same as above
34							
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 3/4/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-22S**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 14.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core Davey Drill, DK-50, track mounted

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 2/27/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0							For description of geology, see MW-22D.
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-21S**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 10.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 5 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core CME-75

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 1/28/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0							For description of geology, see MW-21D.
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

T_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 2/20/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-22D**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 32.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core Davey Drill, DK-50, track mounted

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 2/27/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0				2 4 5 5			0.4' of topsoil, then black and white ash/slag fill
2		0.0	1 / 85%				
				2 3 3 2		SM	Grayish brown with orange mottling, silty f-sand, no odors
4		0.0	2 / 50%				
				1 1 2 2		SP SM	Same as above, bottom 0.4' is little m-sand, wet, no odors
6		0.0	3 / 75%				
				2 2 2 2		SM	Same as above bottom 0.4' with trace f-gravel, then bottom 0.6' is silty f-sand, clayey texture, gray with orange mottling, moist, no odors
8		0.0	4 / 100%				
				H/1 2 1		SC	0.6' of material from above, then changes to all gray silty clay, moist, no odors
10		0.0	5 / 85%				
				H/6 1 1 1		SC	Same as above bottom 1.1', then at 11.5' BGS change to f-m sand, gray, wet to saturated in bottom 0.2', no odors
12		0.0	6 / 80%				
				1 2 1 2		OL	0.4' of f-m sand from above, then gray silty clay, organics present, no odors, sand is saturated
14		0.0	7 / 65%				
				R/18 2		OL	Soft, gray silty clay, no odors
16		0.0	8 / 100%				
				R/6 2 2 2		OL	Soft, wet to saturated silty clay, trace f-sand, bottom 0.4' is tighter, not as wet, has organics present
18		0.0	9 / 100%				
				H/6 1 1 3		ML	Gray silt with some fine sand and organic material, no odors or staining
20		0.0	10 / 70%				
				H/1 1 2		SP SM	Silty f-sand, organic material, brownish gray, little m-sand, trace f-gravel, no odors
22		0.0	11 / 80%				
				2 2 2 2		SP SM	0.2' of peat like material, then 0.3' of f-m sand, little c-sand, saturated, then back to gray silty f-sand, moist to wet, no odors
24		0.0	12 / 70%				

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-21D**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 35.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core CME-75

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 1/28/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) — Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0				1 2 2 5			Dark Brown, topsoil, f-m sand at bottom0.3', moist
2		0.1	1 / 50%	2 2 2 4		SP SM	Top 0.8' is same as above with little coarse gravel, then light gray, f-silty sand, orange mottling
4		0	2 / 50%	1 1 3 3		SP SM	Top 0.2' is same as above, then m-sand, wet to saturated, trace f-c gravel
6		0	3 / 50%	H/2		CL ML	Top 0.2' is same as above, then silty, clayey f-sand to ~7, then silty clay, gray, no odors or staining
8		0.2	4 / 85%	H/2		CL ML	Clayey silt, sand lenses with silty clay bands, soft, wet. No odors or staining
10		0	5 / 70%	H/2		OL	Gray silty clay, wet, no odors, organics present
12		0.1	6 / 90%	R/6 H/1 2		OL	Soft, silty clay, becoming f-sand + silt, bottom 0.3' has pieces of wood in sample, no odors or staining
14		0	7 / 65%	H 1 2 7		SP	Dark gray, m-c sand, saturated, bottom 0.2' is c-gravel and m-c sand
16		0	8 / 70%	2 4 4 3		SP	Same as above
18		0	9 / 25%	1 2 3 5		SP	Same as above, little silt
20		0.1	10 / 30%	1 2 2 1		SP	Same as above, piece of wood
22		0.1	11 / 20%	H/1 2 3		SM	Saturated f-sand, some silt, little m-sand, no odors
24		0.3	12 / 20%				

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INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-21D**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
							Continued
24		0.2	13 / 35%	R/6 1 1 1		SM	Saturated f-m sand, bottom 0.2' is silty f-sand
26		0	14 / 60%	H/18		SM	Silty f-sand, wet piece of wood in bottom
28		0	15 / 100%	1 H/2		OL ML	Clayey silt, moist, no odors or staining
30		0.1	16 / 90%	H/2		OL ML	Same as above, some shell material visible
32		0	17 / 65%	H/2		OL ML	Same as above
34		0	18 / 100%	H/2		OL	Silty clay, large amount of shell material, moist
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 2/20/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-20D**

Project *NYSEG-Court St. MGP Site* Owner *NYSEG*

Location *Ithaca, NY* Proj. No. *831152*

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
							Continued
24		0.0	13 / 100%	H/18		SM	Saturated, f-m sand, no odors or staining
26		0.0	14 / 100%	3 2 3 6 6		SM	Same as above, becomes silty in bottom 0.4'
28		0.0	15 / 85%	R/1 1 1		SM	Silty f-sand, trace organics, moist to wet
30		0.0	16 / 90%	R/6 1 2 2		SM	Same as above
32		0.0	17 / 65%	1 2 2 4		SC SM	Same as above, bottom 0.6' is becoming clayey with trace of shell material
34		0.0	18 / 80%	R/6 H/6 2 2		SC SM	Same as above bottom 0.6', becoming more clayey in bottom 0.2'
36		0.0	19 / 100%	1 1 2 3		OLSH	Silty clay with shells and organic material
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							

Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.

COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 3/4/02

INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well **MW-20S**

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 15.0 ft. North ____ East ____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core Davey Drill, DK-50, track mounted

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 2/26/02 Permit # NA

Checked By ____ License No. ____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / % Recovery	Blow Count / Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							For description of geology, see MW-20D.
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

IT_COMMERCIAL Rev: 12/6/99 ITHACA.GPJ IT_CORP.GDT 3/4/02

MWH

Boring / Well ID: HP-35 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
0		Ground Surface							
0–2		***Fill*** 3" Topsoil 21" Fill consisting of brown sand and angular gravel, little silt, 1.5' to 2' is ash and slag	1	MC	NA	38"	6.7		
2–5		***Silty Sand*** Tan silty sand with orange striations							
5–10		***Gravel and Sand*** Medium to coarse sand and medium to coarse sub- rounded gravel, saturated, some cobbles. Wood (root) at 7' bgs, some tar like odors, no sheen or stain.	2	MC	NA	26"	35.5		Slight coal tar like odor 5'-12'
									Water sample 8'-12'
10–12		***Silty Clay*** Poor recovery 8-10' feet bgs, (pushed cobble), soft at 10' clay in shoe. Slight odor , no stain or product on sampler.	3	SS	NA	8"	8.1		Poor recovery 8'-10'
12–18									

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/23/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: HP-36 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0		***Asphalt*** 3" Asphalt, 6" Black gravel	1	MC	NA	36"	0		
1		***Fill*** 6" Black ash, slag, coal 8" White ash, slag, trace brick							
2									
3		***Silty Sand*** Tan silty sand, stiff, moist, sand lens at 4'							
4									
5		***Sand and Gravel*** Sand and gravel coarsening with depth, cobbles last 16", saturated. Gravel is rounded to subrounded.	2	MC	NA	32"	0		
6									
7									
8			3	MC	NA	24"	0		Water sample 10'-14'
9									
10									
11									
12									
13			4	MC	NA	48"	0		
14		***Silty Clay*** Gray silty clay, wet, plastic							
15									
16									
17									
18									

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/24/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: HP-37 Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
0		Ground Surface							
1		***Fill*** Brown fill consisting of silty sand, 2" ash at 1.5' bgs. Only 19" recovered.	1	MC	NA	19"	0		
2		***Silty Sand*** Tan silty sand, wet at 6' bgs, sand lens at 6'							
3									
4			2	MC	NA	38"	0		Water sample 4'-8'. Sample collected on 3/23/04.
5									
6									
7									
8		***Silty Clay*** Gray silty clay, stiff, no recovery 8'-12'							
9									
10			3	SS	NA	0"	0		
11									
12									
13									
14									
15									
16									
17									
18									

Contractor: ADT Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/22/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: HP-38 Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: JS

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MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
0		Ground Surface							
0		***Asphalt*** 3" Asphalt							
1		***Fill*** Fill consisting of brown gravel and sand, 3" coal and ash	1	MC	NA	31"	0		
2		***Silty Sand*** Tan silty sand, mottled, wet at 7' and moist above, silt content increases with depth, some clay 8'-9'.							
4			2	MC	NA	35"	0		
8									Water sample 8'-12'
9		***Silty Clay*** Gray silty clay, wery plastic, soft, wet, no odors, or stain	3	SS	NA	38"	0		
12									
18									

Contractor: ADT Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/23/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: HP-39 Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: JS

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Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
		HP-39 not done do to property access issues.							

Contractor: ADT Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/23/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: HP-40 Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: JS

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Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
0		Ground Surface							
1		***Fill*** 8" Topsoil 12" Fill consisting of sand, brick and ash	1	MC	NA	39"	0		Water sample 4'-8'
2		***Silty Sand*** Tan silty sand, mottled, wet at 4'							
3									
4									
5		***Silty Clay*** Gray silty clay, wet	2	MC	NA	36"	0		
6									
7									
8		End of Borehole							
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									

Contractor: ADT Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/22/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: HP-41 Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: JS

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10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
0		Ground Surface							
0–2		***Fill*** 6" Topsoil 20" Fill consisting of brown sand and slag, some black and white ash	1	MC	NA	40"	0		
2–7		***Silty Sand*** Tan silty sand, saturated at 4', mottled	2	MC	NA	44"	0		Water sample 4'-8'
7–8		***Sitly Clay*** Gray silty clay , plastic. 2" Sand and gravel at silty sand and silty clay interface.							

Contractor: ADT Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/24/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: HP-42 Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: JS

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10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
0		Ground Surface							
0		***Concrete*** 6" Concrete							
1		***Fill*** Fill consisting of brown sand, some glass and coal, different then fill on Esty Street.	1	MC	NA	30"	0		
3		***Silty Sand*** Tan silty sand, moist							
4									Water sample 4'-8'
6			2	MC	NA	40"	0		
7		***Silty Clay*** Gray silty clay, wet. Mottled medium sand lens between silty sand and silty clay							
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									

Contractor: ADT Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/25/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

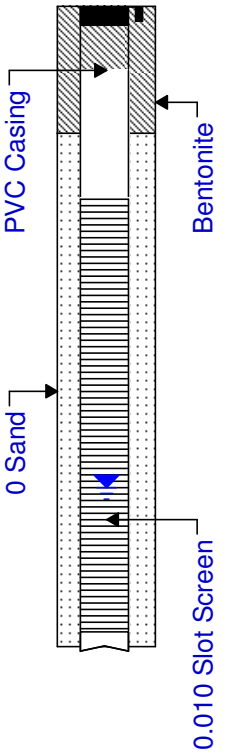
Boring / Well ID: MW-25s | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–2		***Fill*** Hand dig to clear utilities Topsoil and fill Fill consisting of sand with some yellow and white brick	1	HD	NA	NA	0		
2–6		***Silty Sand*** Tan silty sand, some wood fibers from 2'-4', moist 4'-8'	2	SS	1,3,4,5	20"	0		
			3	SS	1,3,2,1	20"	0		
6–10		***Sitly Clay*** Gray silty clay, moist, 2" peat lens at 7'	4	SS	2,3,1,H	24"	0		
			4	SS	H,1,1,1	5"	0		
10		End of Borehole							



Contractor: ADT | Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 3/24/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

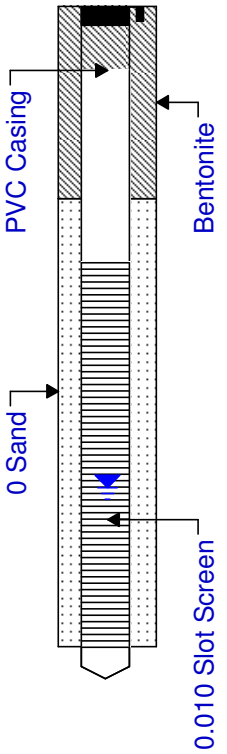
Boring / Well ID: MW-26s | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–2		***Fill*** Hand dig to clear utilities Topsoil and fill	1	HD	NA	24"	0		
2–7		***Silty Sand*** Tan silty sand, mottled	2	SS	1,1,2,2	24"	0		
			3	SS	2,2,3,4	20"	0		
			4	SS	1,1,2,2	24"	0		
7–10		***Sitly Clay*** Gray silty clay, wet at 7.5'	5	SS	H 1, 2,1	24"	0		
10–18									



Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 3/23/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: MW-27s | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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Albany, NY 12205

Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
0		Ground Surface							
0–1.5		***Fill*** Fill consisting of sand and silt, some white ash and slag							
1.5–8.5		***Silty Sand*** Tan silty sand, moist, trace rounded medium gravel, medium sand lenses at 6 feet and 6.5 feet, saturated at 5 feet	1	MC	NA	24"	2.2	PVC Casing; Bentonite; 0 Sand; 0.010 Slot Screen	No odor or stain throughout boring
			2	MC	NA	60"	5.5		
8.5–10		***Sitly Clay*** Gray silty clay, wet, no odor no sheen no stain							
10		End of Borehole							

Contractor: ADT | Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 6/3/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

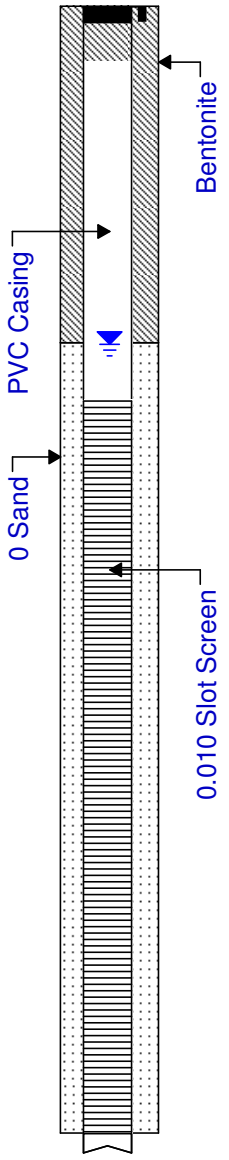
Boring / Well ID: MW-28s | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–5		***Fill*** Hand dig to clear utilities 0' -2' 6" Topsoil Fill with cobbles and sand, some silt	1	HD	NA	NA	NA		
			2	MC	NA	26"	5.5		
5–16		***Sand and Gravel*** Sand and Gravel, wet to saturated at 6 feet.	3	MC	NA	19"	5.5		
			4	MC	NA	20"	10.5		
16–18		***Silty Sand*** Tan silty sand, some organics and roots	5	MC	NA	60"	6.6		
18–20		***Silty Clay*** Grey silty clay, fine sand lens at 18.5 feet							
20		End of Borehole							



Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Direct Push

Drill Date: 3/29/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

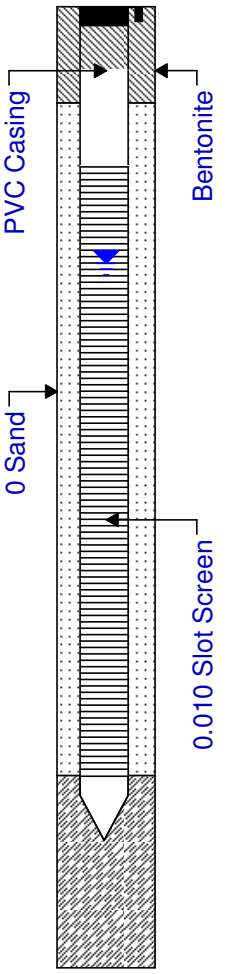
Boring / Well ID: MW-30s | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
0		Ground Surface							
0–2		***Fill*** Hand dig to clear utilities 0' -4' 6" Topsoil 14" Ash and sand	1	HD	NA	NA	0		
2–9.5		***Silty Sand*** Tan silty sand with some clay from 5.5'-9.5', wet at 4' bgs	2	MC	NA	11	0		
			3	MC	NA	46	0		
9.5–15		***Silty Clay*** Gray silty clay	4	MC	NA	36			
15–18									



Contractor: ADT | Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Direct Push

Drill Date: 3/24/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

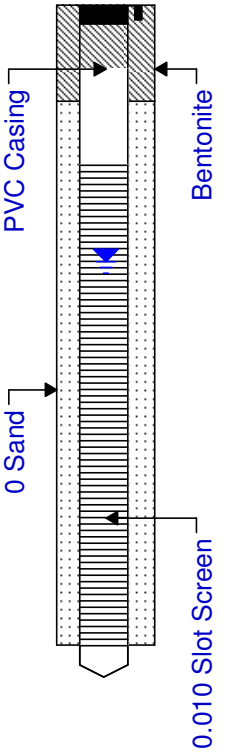
Boring / Well ID: MW-30s | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–3		***Silty Sand*** Hand dig to clear utilities 0' -3' 6" Top soil followed by tan silty sand	1	HD	NA	NA	0		
3–10		***Silty Clay*** Gray silty clay, saturated at 4', sand lenses 4.5'-5' and 5.5'-6'	2	MC	NA	24"	0		
			3	MC	NA	36	0		
10–18									



Contractor: ADT | Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Direct Push

Drill Date: 3/24/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

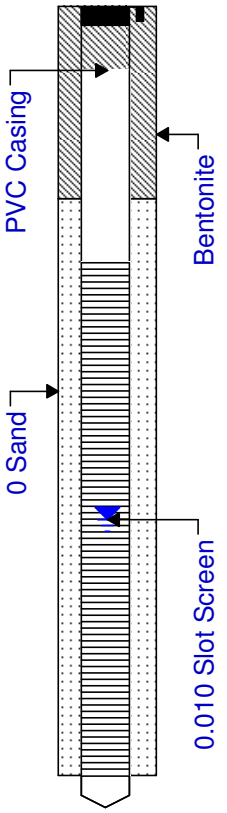
Boring / Well ID: MW-31s | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–1		***Fill*** Hand dig to clear utilities Sandy fill 0-1'							
1–8		***Silty Sand*** Tan silty sand	1	HD	NA	NA	0		
			2	SS	3,3,3,5	22	0		
			3	SS	6,6,4,3	7	0		
8–12		***Sitly Clay*** Gray silty clay, saturated at 12', 1" sand lens at 12'	4	SS	1,2,1,1	10	0		
			5	SS	H,H,2,4	16	0		
13–18									



Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 3/23/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

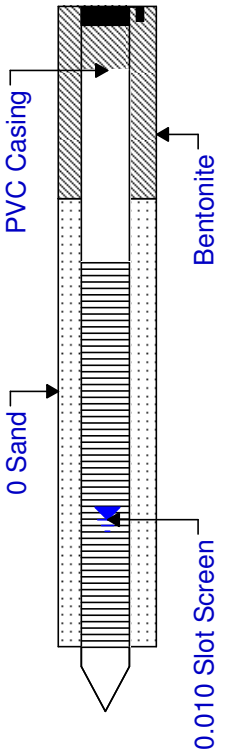
Boring / Well ID: MW-32s | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

SOIL BORING LOG
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10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–4		***Fill*** Hand dig to clear utilities 6" Topsoil 3.5' Fill consisting of dark brown sand	1	HD	NA	NA	0		
4–8		***Silty Sand*** Tan silty sand, moist	2	MC	2,2,2,2	18	0		
6–8			3	SS	1,2,2,2	18	0		
8–12		***Sitly Clay*** Gray silty clay, wet	4	SS	H 1.5,2	18	0		
10–12			5	SS	H,2	21	0		



Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 3/23/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

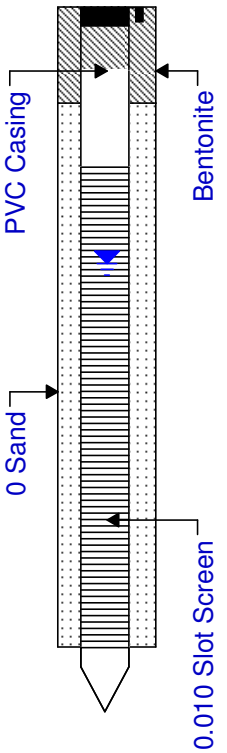
Boring / Well ID: MW-33s | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–3		***Fill*** Hand dig to clear utilities 0' -3' 6" Topsoil, then sand and silt fill to 3' bgs	1	HD	NA	NA	0		
3–8		***Silty Sand*** Tan silty sand, wet at 4'	2	MC	NA	21	0		
4–8			3	MC	NA	46	0		
8–10		***Silty Clay*** Gray silty clay							



Contractor: ADT | Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Direct Push

Drill Date: 3/29/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

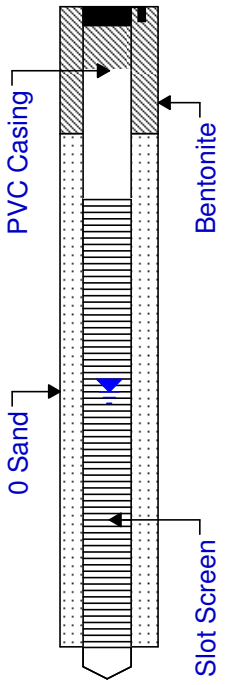
Boring / Well ID: MW-31s | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
1		***Fill*** Hand dig to clear utilities Fill containing sand brick and slag	1	HD	NA	NA	0		
4		***Silty Sand*** Tan silty sand, moist at 6'	2	SS	1,3,3,2	21	0		
6			3	SS	1,2,1,2	23	0		
8		***Sitly Clay*** Gray silty clay, wet, 1" sand lens at 10'	4	SS	1,1,1,1	13	0		
10									
18									



Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 3/23/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

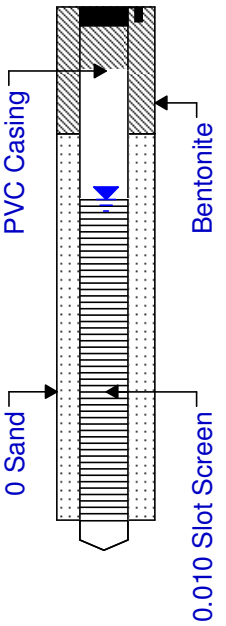
Boring / Well ID: MW-35s | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–3		***Fill*** Hand dig to clear utilities 0-4 feet. Fill containing sandand silt, some gravel and brick. Saturated at 3 feet bgs	1	HD	NA	NA	0		
3–7		***Silty Sand*** Tan silty sand, some dark organic material at 4 to 6 feet, wet	2	SS	1,1,3,3	20"	0		
7–8		***Sitly Clay*** Gray silty clay, wet	3	SS	H 2'	20"	0		
8		End of Borehole							



Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 3/24/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

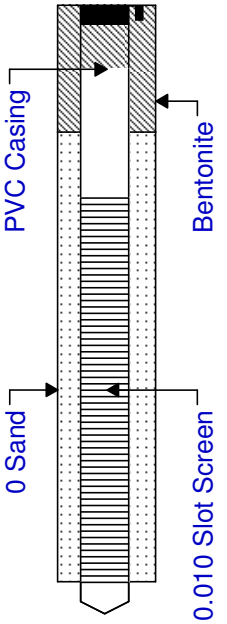
Boring / Well ID: MW-36s | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–1		***Fill*** 6" Topsoil 1' Gray sand and silt, 2" black ash and coal some brick							
1–7		***Silty Sand*** Tan Silty Sand, saturated at 6 feet bgs	1	MC	NA	60	0		
7–10		***Silty Clay*** Grey silty clay, no odors or stain	2	MC	NA	60	0		
10		End of Borehole							



Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 6/1/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

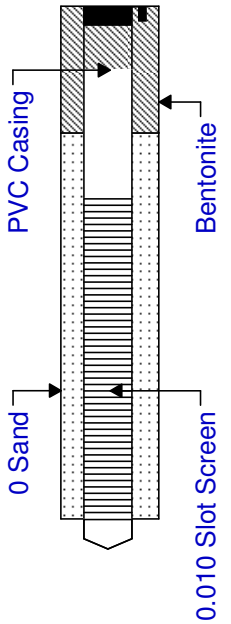
MWH

Boring / Well ID: MW-37s Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
1		SEE HP-40 LOG FOR SUBSURFACE DESCRIPTION							
2									
3									
4									
5									
6									
7									
8		End of Borehole							
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									

Contractor: ADT Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 6/1/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

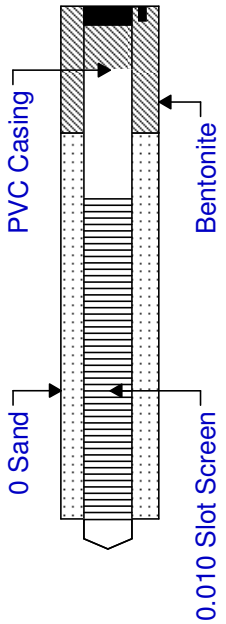
MWH

Boring / Well ID: MW-38s Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
1		SEE HP-36 LOG FOR SUBSURFACE DESCRIPTION							
2									
3									
4									
5									
6									
7									
8		End of Borehole							
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									

Contractor: ADT Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 6/2/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

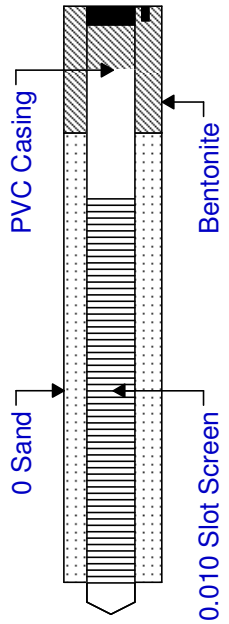
MWH

Boring / Well ID: MW-40s Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
		SEE HP-42 LOG FOR SUBSURFACE DESCRIPTION							
9		End of Borehole							
18									

Contractor: ADT Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 6/2/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

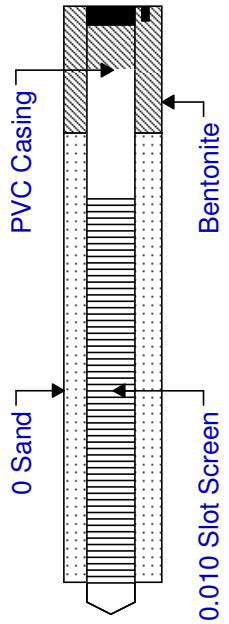
MWH

Boring / Well ID: MW-41s Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
		SEE HP-35 LOG FOR SUBSURFACE DESCRIPTION							
9		End of Borehole							

Contractor: ADT Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 6/2/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

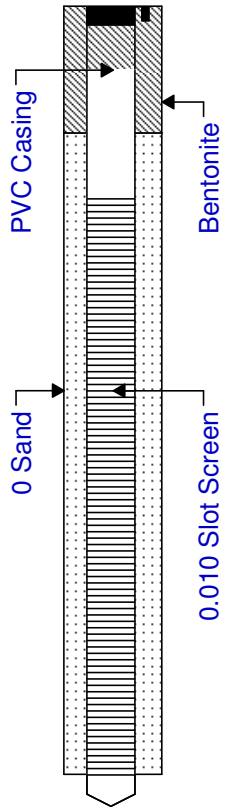
MWH

Boring / Well ID: MW-42s Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
		SEE HP-38 LOG FOR SUBSURFACE DESCRIPTION							
12		End of Borehole							

Contractor: ADT Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 6/3/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-107 Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–2.5		***Fill*** Fill consisting of black brown sand with some fine gravel, some coal and ash	1	MC	NA	50"	0		No odors or stain throughout boring
2.5–8.5		***Silty Sand*** Tan silty sand moist to wet, saturated at 6 feet, trace of fine gravel mottled, sand lens at 7 to 7.25 feet bgs	2	MC	NA	60"	0		
8.5–10		***Silty Clay*** Gray silty clay, wet, root at 8.9 feet							
10		End of Borehole							

Contractor: ADT Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 6/2/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-108 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
1		***Fill*** 6" Topsoil Fill consisting of sand and gravel, some silt							
2		***Silty Sand*** Tan silty sand, moist	1	MC	NA	48"	0		
5		***Sand and Gravel*** Sand and Gravel, gravel is sub-rounded and corsens downward. Mothball like odor throughout sample.	2	MC	NA	42"	0		Mothball like odor
10		***Silty Clay*** Gray silty clay , the top 5" are stained black with spots of coal tar like product, some peices of wood. Remainder of sample has no odors or staining, 3" wood root at 11' bgs, trace medium rounded gravel, moist.	3	MC	NA	46"	45		5" of black staining and spots of coal tar like product No odors or stain
15		End of Borehole							
18									

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/30/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-109 Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–3		***Fill*** 6" Topsoil Fill consisting of sand and silt, some brick and gravel	1	MC	NA	60"	0		
3–9		***Silty Sand*** Tan silty sand, some round cobbles and gravel 6 to 9 feet, coal tar like odor 7 to 9 feet, saturated at 4 feet bgs	2	MC	NA	58"	35		Coal tar like odor 7 to 9 feet bgs
9–10		***Silty Clay*** Gray silty clay , some finesand 9.5 to 10 feet							
10		End of Borehole							

Contractor: ADT Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/30/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-110 Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–3		***Fill*** 6" Topsoil Fill consisting of sand and silt, some brick	1	MC	NA	42"	0		
3–6		***Silty Sand*** Tan silty sand, little gravel 3 to 5 feet							
6–10		***Silty Clay*** Gray silty clay , saturated at 6 feet.	2	MC	NA	48"	0		
10		End of Borehole							

Contractor: ADT Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/30/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-111 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
1		***Fill*** 6" Topsoil Fill consisting of sand and silt with some gravel							
2		***Silty Sand*** Tan silty sand, 3" sand lens at 3' bgs with black staining and slight coal tar like odor, second sand lens at 4.5' with strong coal tar like odor and black staining.	1	MC	NA	48"	0		
5		***Gravel and Cobbles*** e.	2	MC	NA	42"	0		Mothball like odor
10		***Silty Clay*** Gray silty clay , the top 5" are stained black with spots of coal tar like product, some peices of wood. Remainder of sample has no odors or staining, 3" wood root at 11' bgs, trace medium rounded gravel, moist.	3	MC	NA	46"	45		5" of black staining and spots of coal tar like product No odors or stain
15		End of Borehole							
16									
17									
18									

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/30/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-112 Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: PS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–1		***Fill*** 6" Topsoil Gray sandy fill, trace of ash, some coarse gravel							
1–8.5		***Silty Sand*** Tan silty sand, some medium sand 1.25 to 5 feet, wet1.25 to 5 feet, saturated at 5 feet, some clay 5 to 8.5 feet	1	MC	NA	38"	0		No odors or stain throughout boring
5–8			2	MC	NA	60"	0		
8.5–10		***Silty Clay*** Gray silty clay, moist, tight							
10		End of Borehole							

Contractor: ADT Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 6/2/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-113 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–4		Poor recovery pushed gravel and blacktop.	1	MC	NA	0			Poor recovery 0-4'
4–8		***Silty Clay*** Gray silty clay, wet, Yellow staining from 8'-8.5' with slight coal tar like odor, 8.5'-16' No odor or staining. Possible coal tar stringers from 8'-8.5' bgs Saturated at 12' with no sheen	2	MC	NA	12"			Slight coal tar like odor 8-8.5', yellow staining, possible tar stringers.
8–12			3	MC	NA	48"			8.5-16' No odors, no stian, no sheen
12–16			4	MC	NA	48"			
16		End of Borehole							

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/25/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-114 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–4		Poor recovery pushed gravel and blacktop.	1	MC	NA	0			Poor recovery 0-4'
4–8		***Silty Clay*** Gray silty clay, wet, Yellow staining from 8'-8.5' with slight coal tar like odor, 8.5'-16' No odor or staining. Possible coal tar stringers from 8'-8.5' bgs Saturated at 12' with no sheen	2	MC	NA	12"			Slight coal tar like odor 8-8.5', yellow staining, possible tar stringers.
8–12			3	MC	NA	48"			8.5-16' No odors, no stian, no sheen
12–16			4	MC	NA	48"			
16		End of Borehole							
17–18									

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/25/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-115 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

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SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
0		Ground Surface							
0–12		***Fill*** Clean fill from recent duct removal project. Start sampling at 12' bgs.	1	MC	NA	NA			
12–13		***Silty Clay*** Silty Clay, gray, some roots, no signs of coal tar realated impacts	2	MC	NA	36"			
13–24		***Sand and Silt*** Medium to fine sand, some silt, 4" brown peat at 17.5' bgs, wet.	3	MC	NA	22"			
			4	MC	NA	12"			
24–28		***Silty Clay*** Gray silty clay, medium soft, some fine sand, some carbonates (shells)	5	MC	NA	46"			

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 3/25/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-116 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
1		This interval was not sampled							
2									
3									
4			1		NA	NA	NA		
5									
6									
7									
8		***Fill***							Slight coal tar like odor
9		New fill from duct removal. Sand and gravel, saturated with a slight odor. Poor recovery due to gravel.							
10			2	MC	NA	9"	NA		
11									
12		***Silty Clay***							
13		Gray silty clay with a trace of sand , wet, black stain and odor. No sheen or tar.							
14			3	MC	NA	14"	NA		Coal tar like odor and black stain
15									
16									
17		No recovery due to nature of material. Tried two time to obtain a sample. Outside of sampler had no stain or odors.							
18			4	MC	NA	1"	NA		
19									Poor recovery
20									
21		End of Borehole							
22									
23									
24									
25									

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/15/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-116 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–8		This interval was not sampled	1		NA	NA	NA		
8–12		***Fill*** New fill from duct removal. Sand and gravel, saturated.	2	MC	NA	8"	NA		
12–16		***Silty Clay*** Gray silty clay, saturated, coal tar like odor fades away with depth, some peat at 16', sparse wood pieces 16-20' bgs.	3	MC	NA	20"	NA		Coal tar like odor fades away with depth
16–20			4	MC	NA	42"	NA		Sparse wood pieces
20		End of Borehole							

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/15/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-119 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

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SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–8		***Fill*** Gravel and sand fill, slight odor and black stain 3-4', wet at 3.5' bgs. Poor recovery 4-8' with some tar like product on the outside of the sample tube.	1	MC	NA	32"	NA		
			2	MC	NA	6"	NA		
8–16		***Silty Clay*** Gray silty clay, wet, NAPL stringers from 8-9', no sheen or stain. Slight odor 9-16'.	3	MC	NA	40"	NA		Coal tar like stringers 8-9'
			4	MC	NA	48"	0.4		Slight coal tar like odor 9-16'
16–20		***Gray Sand*** Gray fine sand, little silt, some small roots and peat, saturated, no sings of MGP related impacts	5	MC	NA	32"	0		
20		End of Borehole							

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/15/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-119 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–8		***Fill*** Gravel and sand fill, slight odor and black stain 3-4', wet at 3.5' bgs. Poor recovery 4-8' with some tar like product on the outside of the sample tube.	1	MC	NA	32"	NA		
			2	MC	NA	6"	NA		
8–16		***Silty Clay*** Gray silty clay, wet, NAPL stringers from 8-9', no sheen or stain. Slight odor 9-16'.	3	MC	NA	40"	NA		Coal tar like stringers 8-9'
			4	MC	NA	48"	0.4		Slight coal tar like odor 9-16'
16–20		***Gray Sand*** Gray fine sand, little silt, some small roots and peat, saturated, no sings of MGP related impacts	5	MC	NA	32"	0		
20		End of Borehole							

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/15/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-120 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
1–7		***Fill*** This interval not sampled, assumed fill from duct excavation.	1		NA	NA	NA		
8–18		***Silty Clay*** Gray silty clay, slight coal tar like odor, no stain moist to wet, 4" fine sand around 16' bgs with possible stain.	2	MC	NA	46"	2.4		Slight coal tar like odor 9-16'
			3	MC	NA	40"	0		
			4	MC	NA	42"	0.8		
19–20		***Gray Sand*** Gray fine sand, little silt, no apparent MGP related impacts							No odors, sheen, or stain
20		End of Borehole							
21–25									

Contractor: ADT

Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/15/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-121 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–8		***Not Sampled*** This interval was not sampled. Macro core driven to 8' bgs. Macro core contained tan silty sand.	1		NA	NA	NA		
8–19		***Silty Clay*** Gray silty clay, no odors, no stain throughout sample, wet	2	MC	NA	48"	NA		
			3	MC	NA	40"	0		
			4	MC	NA	48"	0		
19–20		***Gray Sand*** Gray fine sand, little silt, 2" peat no apparent MGP related impacts							
20		End of Borehole							

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/15/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-122 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
1		***Fill*** 6" Asphalt, 6" gravel fill							
2		***Silty Sand*** Tan silty sand, orange mottles, moist	1	MC	NA	24"	NA		No apparent MGP impacts
3									
4		***Silty Clay*** Gray silty clay, plastic, saturated at 6' bgs, 4" sand lens at 6.5' with slight coal tar like odor, no odors or staining in silty clay.	2	MC	NA	32"	1.3		4" Sand lens, saturated with slight coal tar like odor
5									
6									
7									
8			3	MC	NA	42"	0		
9									
10									
11									
12			4	MC	NA	40"	0		
13									
14									
15									
16			5	MC	NA	46"	0		No apparent MGP impacts
17									
18									
19									
20		***Peat*** Orange peate with organic odor, wet							
21		End of Borehole							
22									
23									
24									
25									

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/15/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-123 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
1-4		***No Sampled*** Pushed 4' macrocore to 8' bgs. Fine sand lens between silty sand and silty clay interfacehas some coal tar like product.	1		NA	NA	NA		
8-12		***Silty Clay*** Gray silty clay, wet, strong odor decreasing in strength with depth, some wood chips from 12-20' bgs. No staining, no sheens.	2	MC	NA	42""	10.3		Strong coal tar like odor decreasing with depth
12-16			3	MC	NA	32"	7.7		
16-20			4	MC	NA	24"	0.3		
20		End of Borehole							

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/15/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-124 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–8		***No Sampled*** Assumed fill from duct removal.	1		NA	NA	NA		
8–12		***No recovery*** No recovery.	2	MC	NA	42""	10.3		No recovery due to gravel (fill)
12–16		***Silty Clay*** Soft silty clay with , strong coal tar like odor at 12' decreasing with depth, trace gravel at 12' with black stain, some wood. No odor 16-19'.	3	MC	NA	32"	7.7		Strong coal tar like odor decreasing with depth
16–19			4	MC	NA	24"	0.3		No coal tar like odor, no stain, no sheen
19–20		***Peat*** Red-orange peat with organic odor, wet							
20		End of Borehole							
21–25									

Contractor: ADT

Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/15/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-125 Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023 Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE						
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	Well Construction	Remarks
0		Ground Surface							
		No Sampled Boring not completed at the Direction of NYSEG. Due to proximty to water mainreplacement project.	1		NA	NA	NA		
8		End of Borehole							

Contractor: ADT Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/16/04 Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-126 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
1–7		***No Sampled*** No sample taken	1		NA	NA	NA		
8–12		***Sand and gravel*** Poor recovery due to sand and gravel, wet no odor or sheen.	2	MC	NA	88"	NA		Poor recovery due to gravel and sand.
13–16		***Silty Clay*** Gray silty clay, plastic, wet, very slight odor, some peat 16-20' bgs.	3	MC	NA	42"	NA		Very slight coal tar like odor
17–19			4	MC	NA	40"	0.8		
20		End of Borehole							
21–25									

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/16/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-127 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–5		***Fill*** Fill from duct removal.	1		NA	17"	NA		
5–12		***Silty Clay*** Gray silty clay, wet, some fine sand from 5-8', some spots of coal tar like NAPL 5-8', coal tar like odor decreases with depth.	2	MC	NA	24"	NA		Spots of coal tar like NAPL 4' to 8' bgs
			3	MC	NA	30"	2.7		
12–17		***Sand and Gravel*** Poor recovery 12-16', some medium sand with fine to coarse gravel. 16-17.5' Gray fine sand with very slight coal tar like odor.	4	MC	NA	6"	NA		Very slight coal tar- like odor
17–20		***Silty Clay*** Silty clay, plastic, wet, some peat and roots, slight coal tar like odor	5	MC	NA	48"	1.8		
20		End of Borehole							

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/16/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-128 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
1		***Fill*** Fill from duct removal.	1		NA	28"	NA		
5		***No Recovery*** No recovery.	2	MC	NA	0"	NA		
9		***Silty Clay*** Gray silty clay, wet, coal tar like odor, no stain or sheen, little fine sand top 3"	3	MC	NA	28"	1.7		
13		***Sand and Gravel*** Sand and gravel, saturated, no sheen, no odor, gravel is sub-angular	4	MC	NA	9"	NA		
16		End of Borehole							

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/16/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-129 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–2		***Fill*** 6" Asphalt, 12" Gray sand and angular gravel fill.	1	MC	NA	38"	NA		
2–20		***Silty Clay*** Gray silty clay, little fine sand from 4'-4.5', mottled 1.5'-8', wet at 8' bgs, some wood 18-18.5', no odor, sheen or stain throughout samples	2	MC	NA	24"	NA		
			3	MC	NA	36"	NA		
			4	MC	NA	48"	NA		No stain, no sheen, no odor throughout samples
			5	MC	NA	35"	NA		
20		End of Borehole							

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/16/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

MWH

Boring / Well ID: SB-130 | Client: NYSEG

Project Name: Court Street Former MGP | Site Location: Ithaca, NY

Project Number: 4260023 | Geologist: JS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
0–8		***Fill*** Fill from duct removal. ***Silty Clay*** Gray silty clay, coal tar like stringer 11-12',	1	MC	NA	38"	NA		
			2	MC	NA	24"	NA		
8–20			3	MC	NA	36"	NA		No stain, no sheen, no odor throughout samples
			4	MC	NA	48"	NA		
			5	MC	NA	35"	NA		
20		End of Borehole							

Contractor: ADT | Hole Size: 2-inch

Drill Method: Geoprobe, Direct Push

Drill Date: 4/16/04 | Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

Appendix B

Chain-of-custody Records, Data Usability Summary Reports with Validated Form I Sheets (CD-ROM)

Chains of Custody

Chain of Custody Record

TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Helen Jones	Phone: K. Stahly 607-277-5716	Paul Morrow		1 of 2
Company: New York State Electric & Gas - Binghamton, NY		E-Mail: Paul.Morrow@testamericainc.com		Page: 1 of 2
Address: AECOM, 1001 West Seneca St, Ste 204	Due Date Requested:			Job #:
City: Ithaca	TAT Requested (days): 10			
State, Zip: NY, 14850				Preservation Codes:
Phone: 607-277-5716	PO #			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Email: helen.jones@aecom.com	WO #: RTB0426			Other:
Project Name: NYSEG Ithaca Court Street	Project #:			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOA	SVOA::CN	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SB132 (6-8)	2/12/10	1100	C	S			2	1	3	
SB134 (8-10)	2/12/10	1000		S			2	1	3	
SB134 (10-12)	2/12/10	1010		S			2	1	3	
SB135 (15-17)	2/11/10	1460		S			2	1	3	
SB136 (12.5-15)	2/11/10	1150		S			2	1	3	
SB137 (12.5-15)	2/11/10	0930		S			2	1	3	
SB138 (15-16)	2/11/10	1550		S			2	1	3	
SB138 (22.5-25)	2/11/10	1540		S			2	1	3	
SB139 (10-12.5)	2/10/10	1600		S			2	1	3	
SB139 (15-17.5)	2/10/10	1610		S			2	1	3	
SB140 (12.5-15)	2/10/10	1430		S			2	1	3	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Helen d. Jones	2/12/10 1600	AECOM		2/12/10 0941	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2°

76/734

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: K. Stahle	Lab PM: Paul Morrow	Carrier Tracking No(s):	COC No: 1, 2
Client Contact: Helen Jones	Phone: 607-277-5716	E-Mail: Paul.Morrow@testamericainc.com		Page: Page 2 of 2
Company: New York State Electric & Gas - Binghamton, NY		Analysis Requested		Job #:
Address: AECOM, 1001 West Seneca St, Ste 204	Due Date Requested:			Preservation Codes: A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - AmchNor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify); Other:
City: Ithaca	TAT Requested (days): 10			
State, Zip: NY, 14850				
Phone: 607-277-5716	PO #:			
Email: helen.jones@aecom.com	WO #: RTB0426			
Project Name: NYSEG Ithaca Court Street	Project #:			
Site	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOA	SVOA::CN	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SB140(18-20)	2/10/10	1440	C	S			2	1	3	
SB141 (21-23)	2/10/10	1350		S			2	1	3	
SB160 (10-11)	2/11/10	1600		S			2	1	3	
SB160 (11-13)	2/11/10	1610		S			2	1	3	
				S			2	1	3	
				S			2	1	3	
				S			2	1	3	
				S			2	1	3	
				S			2	1	3	
				S			2	1	3	
				S			2	1	3	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☒ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Helen A. Jones	2/12/10 1600	AECOM		2/12/10 @ 1600	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.0°C

77734

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: Paul Morrow	Carrier Tracking No(s):	COC No: 1
Client Contact: Helen Jones	Phone:	E-Mail: Paul.Morrow@testamericainc.com		Page: 1 of 2
Company: New York State Electric & Gas - Binghamton, NY		Analysis Requested		Job #:
Address: AECOM, 1001 West Seneca St, Ste 204	Due Date Requested:			Preservation Codes:
City: Ithaca	TAT Requested (days): 10			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify); Other:
State, Zip: NY, 14850				
Phone: 607-277-5716	PO #:			
Email:	WO #: RTB0426			
Project Name: NYSEG Ithaca Court Street	Project #:			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, a=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOA	SVOA::CN	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SB156 (10-11.5)	2/15/10	1600	C	S			2	1	3	
SB157 (10-11)	2/15/10	1500		S			2	1	3	
SB156 (13-15)	2/15/10	1610		S			2	1	3	
MW435 (6.5-7.5)	2/12/10	1580		S			2	1	3	
SB158 (8-10)	2/15/10	1115		S			2	1	3	
MW465 (18-20)	2/15/10	1320		S			2	1	3	
SB158 (13-15)	2/15/10	1130		S			2	1	3	
SB1560 (10-11.5)	2/15/10	1630		S			2	1	3	
MW465 (15-16)	2/15/10	1310		S			2	1	3	
SB145 (12.5-14.5)	2/16/10	1230		S			2	1	3	
SB144 (12-13)	2/16/10	1200		S			2	1	3	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/16/10 1600	AECOM		2/17/10 0947	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.0°

96964

Chain of Custody Record

TestAmerica

Client Information	Sampler:	Lab PM: Paul Morrow	Carrier Tracking No(s):	COC No: _1
Client Contact: Helen Jones	Phone:	E-Mail: Paul.Morrow@testamericainc.com		Page: Page 2 of 2
Company: New York State Electric & Gas - Binghamton, NY				Job #:

Address: AECOM, 1001 West Seneca St, Ste 204	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Ithaca	TAT Requested (days): 10		A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:
State, Zip: NY, 14850	PO #:		
Phone: 607-277-5716	WO #: RTB0426		
Email:	Project #:		
Project Name: NYSEG Ithaca Court Street	SSOW#:		
Site:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Voa	SVOA::CN												Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
SB146 (6-8)	2/16/10	1500	C	S			2	1												3	
SB144 (20-22)	2/16/10	1210		S			2	1												3	
SB143 (8-10)	2/16/10	0900		S			2	1												3	
SB132 (12.5-13.5)	2/12/10	1480		S			2	1												3	
SB142 (8-10)	2/16/10	1000		S			2	1												3	
SB159 (11-12.5)	2/15/10	1000		S			2	1												3	
SB159 (12.5-15)	2/15/10	1010		S			2	1												3	
				S			2	1												3	
				S			2	1												3	
				S			2	1												3	
				S			2	1												3	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 2/16/10 1600	Company: AECOM	Received by:	Date/Time: 2/17/10 0900	Company: TA
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.0°

97964

Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Keith Stahle	Site Contact: K. Stahle/ H. Jones	Date: 2/19/10	COC No.
AECOM	Tel/Fax: 607-277-5716	Lab Contact: Paul Morrow	Carrier: FedEx	1 of 1 COCs
1001 West Seneca St, Ste 204	Analysis Turnaround Time			Job No.
Ithaca, NY 14850	Calendar (C) or Work Days (W)			
(607) 277-5716 Phone	TAT if different from Below			
(607) 277-9057 FAX	☑ 2 weeks			SDG No.
Project Name: NYSEG Ithaca Court Street	☐ 1 week			
Site:	☐ 2 days			
PO #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOC	SVOC, CN																	Sample Specific Notes.
SB147 (8-10)	2/17/10	0900	C	S	3		X	X																	
SB147 (10-12)	2/17/10	0910	C	S	3		X	X																	
SB148 (10-12)	2/17/10	1530	C	S	3		X	X																	
SB149 (10-12)	2/17/10	1430	C	S	3		X	X																	
SB150 (7-8)	2/17/10	1400	C	S	3		X	X																	
SB155 (10-11)	2/18/10	0900	C	S	3		X	X																	
SB155 (10-11) MS	2/18/10	0910	C	S	3		X	X																	MS
SB155 (10-11) MSD	2/18/10	0915	C	S	3		X	X																	MSD
MW475 (5.5-7.5)	2/17/10	1030	C	S	3		X	X																	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B ☐ Unknown ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Helen A. Jones Pang	AECOM	2/19/10 1630			2/20/10 0900
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

2-01

51/506

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: AECOM	Project Manager: Keith Stahle	Date: 2-24-10	Chain of Custody Number: 315533
Address: 1001 W Seneca St	Telephone Number (Area Code)/Fax Number: 607-277-5716	Lab Number:	Page 1 of 2
City: Ithaca / State: NY / Zip Code: 14850	Site Contact: Keith Stahle	Lab Contact: Paul Marrow	
Project Name and Location (State): Court St MGP, OU2, Ithaca, NY	Carrier/Waybill Number: FedEx		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	#	VOC 8260	SVOC 8270	CN 9010
RW5 (15-17)	2-24-10	1200				X	X						3	X	X	X
RW4 (18-20)	2-23-10	1610														
RW4 (12.5-15)	2-23-10	1600														
SB162 (13-13.5)	2-23-10	1450														
SB162 (19-20)	2-23-10	1445														
MW44S (10-11)	2-23-10	0830														
MW45S (6-7)	2-22-10	0900														
SB154 (10-11)	2-22-10	1500														
SB151 (11-12)	2-23-10	1200														
MW48S (10-11)	2-22-10	1350														
MW48S (13-15)	2-22-10	1345														
SB161 (15-17)	2-23-10	1100														

103/970

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1 Relinquished By: Reece Lloyd	2-24-10	1700	1 Received By:	2/25/10	0900
2 Relinquished By:			2 Received By:		
3 Relinquished By:			3 Received By:		

Comments: 20°

DISTRIBUTION: WHITE - Returned to Client with Report. CANARY - Stays with the Sample. PINK - Field Copy

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: AECOM	Project Manager: Keith Stahle	Date: 2-24-10	Chain of Custody Number: 315534
Address: 1001 W. Seneca St	Telephone Number (Area Code)/Fax Number: 607-272-5716	Lab Number:	Page 2 of 2
City: Ithaca / State: NY / Zip Code: 14850	Site Contact: Keith Stahle	Lab Contact: Paul Marrow	
Project Name and Location (State): Court St. OU2 Ithaca, NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Solid	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOCs 8260	SVOCs 8270	CN 9010	Special Instructions/ Conditions of Receipt
RW 6 (13-15)	2-24-10	1000				X	X						3	X	X	X	
SB153 (5-7)	2-22-10	1200														
SB153 (12.5-14)	2-22-10	1210														
SB152 (8-9)	2-22-10	1000														
MW480 (10-11)	2-22-10	1335														
SB168 (15-17)	2-24-10	1600											1	X	X	X

104/970

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Jesse Tongl	2-24-10	1700	1. Received By:	2/24/10	0700
2. Relinquished By:	Date	Time	2. Received By:	Date	Time
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments: 20°C

DISTRIBUTION: WHITE - Returned to Client with Report. CANARY - Stays with the Sample PINK - Field Copy

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: Paul Morrow	Carrier Tracking No(s):	COC No: 1
Client Contact: Helen Jones	Phone:	E-Mail: Paul.Morrow@testamericainc.com		Page: 1
Company: New York State Electric & Gas - Binghamton, NY		Analysis Requested		Job #:
Address: AECOM, 1001 West Seneca St, Ste 204	Due Date Requested:			Preservation Codes: A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify); Other:
City: Ithaca	TAT Requested (days): 10			
State, Zip: NY, 14850				
Phone: 607-277-5716	PO #:			
Email:	WO #: RTB0426			
Project Name: NYSEG Ithaca Court Street	Project #:			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Vox	SVOA::CN	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	I	I	X	
SB175 (11-12.5)	7-24-10	1000	G	S			2	1	3	
SB174 (15-17)	7-24-10	1100		S			2	1	3	
SB165 (8-10)	7-25-10	1230		S			2	1	3	
SB167 (16-17.5)	7-25-10	1630		S			2	1	3	
SB166 (10-12)	7-25-10	1500		S			2	1	3	
SB169 (13-15)	7-25-10	0830		S			2	1	3	
SB171 (10-12.5)	7-25-10	1015		S			2	1	3	
SB164 (15-17)	7-25-10	1200		S			2	1	3	
SB169 (19-20)	7-25-10	0840		S			2	1	3	
SB171 (3-5)	7-25-10	1000	V	S			2	1	3	
				S			2	1	3	

60/522

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time:	Method of Shipment

	Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
1	Jesse J Lapp	7-31-10	AECOM		8/2/10 1000	
2	Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.8° C

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client	Project Manager	Date	Chain of Custody Number
AECOM	Keith Stahle	3/8/10	369231
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1001 W. Seneca St Ste 204	607-277-5716 / 607-277-9057		
City	**State / Zip Code**	**Site Contact**	**Lab Contact**
Ithaca	NY 14850	Helen Jones	Paul Morrow
Project Name and Location (State)	**Carrier/Waybill Number**		
Ithaca Court St - NYSEG			
Contract/Purchase Order/Quote No			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC	SVOC	CN	Special Instructions/ Conditions of Receipt
MW-22D	3/8/10	1080		X			2			3	1		X	X	X	
MW-22S	3/8/10	1135		X			2			3	1		X	X	X	
MW-23D	3/8/10	1310		X			2			3	1		X	X	X	
MW-23S	3/8/10	1400		X			2			3	1		X	X	X	
MW-29S	3/8/10	1610		X			2			3	1		X	X	X	
MW-37	3/8/10	1725		X			2			3	1		X	X	X	
MW-40	3/8/10	1107		X			2			3	1		X	X	X	
MW-38	3/8/10	1230		X			2			3	1		X	X	X	
MW-31S	3/8/10	1325		X			2			3	1		X	X	X	
MW-30S	3/8/10	1600		X			2			3	1		X	X	X	
MW-32S	3/8/10	1705		X			2			3	1		X	X	X	
Trip Blank	3/8/10	1815		X						1			X			

58466

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	Helen A. Jones	3/8/10	1820		3/9/10	0850
2.						
3.						

Comments

6 Coolers

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: AECOM	Project Manager: Keith Stahler	Date: 3/9/10	Chain of Custody Number: 140426
Address: 1001 West Seneca St. Ste 204	Telephone Number (Area Code)/Fax Number: 607-277-5716 / 607-277-9057	Lab Number:	Page 1 of 2
City: Ithaca / State: NY / Zip Code: 14850	Site Contact: H. Jones	Lab Contact: Paul Morrow	
Project Name and Location (State): NYSEG Ithaca Court St	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	HCl/SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC	SVOC	CN	Special Instructions/ Conditions of Receipt
MW-21D	3/9/10	0925		X			2			3	1		X	X	X	
MW-21S	3/9/10	1020		X			2			3	1		X	X	X	
MW-35S	3/9/10	1145		X			2			3	1		X	X	X	
MW-39	3/9/10	1315		X			2			3	1		X	X	X	
MW-11D	3/9/10	1545		X			2			3	1		X	X	X	
MW-11S	3/9/10	1640		X			2			3	1		X	X	X	
MW-11S DUP	3/9/10	1650		X			2			3	1		X	X	X	
Trip Blank	3/9/10	1730		X						1			X			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/9/10	1745	1. Received By: [signature]	3/10/10	0850
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 6020

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

65/504

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
AECOM	Keith Stahle	3/9/10	140427
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
1001 W. Seneca Street	607-277-5716 / 607-277-9057		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Ithaca / NY	H. Jones	Paul Morrow	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYSEG Ithaca Court Street			
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Soil	Solid	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	VOA	SVOC	Cyanide
MW-17D	3/9/10	1045		X			X			X	X		X	X	X
MW-17S	3/9/10	1130		X			X			X	X		X	X	X
MW-33S	3/9/10	1240		X			X			X	X		X	X	X
DUP-1	3/9/10	—		X			X			X	X		X	X	X
MW-[redacted]14S	3/9/10	1525		X			X			X	X		X	X	X
MW-14D	3/9/10	1620		X			X			X	X		X	X	X

66/504

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days [ ] 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Helen A. [illegible]	3/9/10	1745	1. Received By: [signature]	3/10/10	0950
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

6020

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
AECOM	Keith Stahle	3/10/10	143416
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
100f West Seneca St Ste 204	607-277-5716 / 607-277-9057		
City	**State**	**Zip Code**	**Site Contact**	**Lab Contact**
Ithaca	NY	14850	Helen Jones	Paul Marrow
Project Name and Location (State)	**Carrier/Waybill Number**
NYSEG - Ithaca Court St	
Contract/Purchase Order/Quote No.	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAcr NaOH	Analysis: VOC	SVOC	NO3	Special Instructions/ Conditions of Receipt
MW-12S	3/10/10	0915		X			2			3	1		X	X	X	
MW-25S	3/10/10	1020		X			2			3	1		X	X	X	
MW-20D	3/10/10	1140		X			2			3	1		X	X	X	
MW-20D MS	3/10/10	1150		X			2			3	1		X	X	X	
MW-20D MSD	3/10/10	1200		X			2			3	1		X	X	X	
MW-20S	3/10/10	1320		X			2			3	1		X	X	X	
MW-46S	3/10/10	1550		X			2			3	1		X	X	X	
Trip Blank	3/10/10	1630		X						1			X			

115/1171

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For: _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Helen A. J	3/10/10	1630	1. Received By	3/11/10	1730
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

4 °C-0

DISTRIBUTION: WHITE - Returned to Client with Report CANARY - Stays with the Sample, PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
AECOM	Keith Stahle	3/10/10	140417
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
1001 W. Seneca Street	607-277-5716/607-277-9057		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Ithaca / NY / 14850	Helen Jones	Paul Marrow	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYSEG Ithaca Court St			
Contract/Purchase Order/Quote No			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Solid	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC	SVOC	Cyanide
MW-41S	3/10/10	905		X			2			3	1		X	X	X
MW-27	3/10/10	1005		X			2			3	1		X	X	X
MW-24S	3/10/10	1110		X			2			3	1		X	X	X
MW-24D	3/10/10	1155		X			2			3	1		X	X	X
MW-24D MS	3/10/10	1155		X			2			3	1		X	X	X
MW-24D MSD	3/10/10	1155		X			2			3	1		X	X	X
MW-42	3/10/10	1320		X			2			3	1		X	X	X
MW-36	3/10/10	1535		X			2			3	1		X	X	X

Special Instructions/ Conditions of Receipt

116/1171

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ... Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1	Helen A. [illegible]	3/10/10	1630	[illegible]	3/11/10	0930
2						
3						

Comments

4°C-0°

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

TestAmerica

Client Information	Sampler: H. Jones and C. Vinciguerra	Lab PM: Paul Morrow	Carrier Tracking No(s):	COC No: 1
Client Contact: Helen Jones	Phone: 607-277-5716	E-Mail: Paul.Morrow@testamericainc.com		Page: 1
Company: New York State Electric & Gas - Binghamton, NY				Job #:
Address: AECOM 1001 West Seneca St, Ste 204	Due Date Requested:			
City: Ithaca	TAT Requested (days): 15			
State, Zip: NY 14850				
Phone: 607-277-5716	PO #:			
Email: helen.jones@AECOM.com	WO #: RT80683			
Project Name: NYSEG Ithaca Court Street	Project #:			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	5VOA	CN	VOA	Total Number of containers	Special Instructions/Note:
			Preservation Code:				1	B	A		
MW-43S	3/11/10	840	G	W			2	1	3	6	
MW-45S	3/11/10	1010	G	W			2	1	3	6	
MW-47S	3/11/10	1125	G	W			2	1	3	6	
MW-44S	3/11/10	845	G	W			2	1	3	6	
MW-48S	3/11/10	1030	G	W			2	1	3	6	
Trip blank	2/28/10	1400	G	W			2	1	3	6	
				W			2	1	3	6	
				W			2	1	3	6	
				W			2	1	3	6	
				W			2	1	3	6	
				W			2	1	3	6	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 3/11/10 1600	Company:	Received by:	Date/Time: 3/12/10 0910	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.6°

117/1171

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

1HOC190475

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** Keith Stahle	**Sampled By:** Keith Stahle	1 of 1 COCs
Company: AECOM	Phone: 607 277-5716		
Address: 1001 W. SENECA ST	Site Contact:		
City/State/Zip Ithaca NY 14850	TAL Contact: Helen Jones		
Phone: 607-277-5716			
FAX:			
Project Name: Ithaca Court St.	**Analysis Turnaround Time**		
Site/location: 420 N. Plain St.	Standard (Specify)		
PO # 60145716	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
S1/420 N. PLAIN	3/17-3/18/10	926	910	-30	-5		7482	X											X
TA/420 N. PLAIN	3/17-3/18	926	915	-30.5	-5		12695	X		1 FDX REC'D						AMBIENT			X
AMB/420 N. PLAIN	3/17-3/18	930	905	-28	-5		7488	X		FEDEX # 7933		6800				6797			X
										CUSTODY SEAL INTACT									
										3 CANS, 3 FLOWS									
																TS	3/19	10	

Sampled by :	Temperature (Fahrenheit)			
		Interior	Ambient	
	Start			
	Stop			

	Pressure (inches of Hg)			
		Interior	Ambient	
	Start			
	Stop			

Special Instructions/QC Requirements & Comments:
ALSO ANALYSE FOR MGP Indicators - Call Helen Jones @ 607-277-5716

Canisters Shipped by:	Date/Time: 3/18/10 1400	Canisters Received by:	
Samples Relinquished by:	Date/Time:	Received by:	3/19/10 9:45
Relinquished by:	Date/Time:	Received by:	