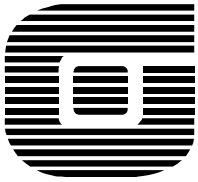
FINAL REPORT

Remedial Investigation Report
Dambrose Cleaners Site
Schenectady, New York

New York State Department of
Environmental Conservation

March 2006



O'BRIEN & GERE
ENGINEERS, INC.

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Dambrose Cleaners Site
Schenectady, New York

New York State Department of
Environmental Conservation
Albany, New York

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March 2006

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Contents

1. Introduction 1
1.1. General 1
1.2. Project objectives 1
1.3. Project scope 2
1.4. Report organization 2

2. Background 5
2.1. General 5
2.2. Site background 5
2.2.1. General 5
2.3. Historical environmental data 6
2.3.1. Previous investigations 6

3. Field investigation methodology 9
3.1. General 9
3.2. Literature search 9
3.2.1. Public records review 9
3.2.1.1. NYSDOH air sampling results 9
3.2.1.2. EDR/Sanborn maps 10
3.2.1.3. Geologic and hydrogeologic reports 10
3.2.1.4. Climate data 11
3.3. Base map development 11
3.4. Well survey 11
3.5. Preliminary screening program 12
3.5.1. Ground water screening 12
3.5.2. Sub-slab soil vapor sampling 13
3.5.3. Indoor air sampling 13
3.6. Drilling and well installation program 14
3.6.1. Overburden drilling procedures 14
3.6.2. Well installation 14
3.6.3. Decontamination procedures 15
3.6.4. Well development 15
3.7. Ground water elevation monitoring 16
3.8. Ground water sampling program 16
3.9. Hydraulic conductivity testing 17
3.10. Vapor Intrusion Evaluation Sampling 19
3.10.1. Indoor air samples 19
3.10.2. Sub-slab/joist-space samples 20
3.10.3. Ambient air samples 20
3.10.4. Garment air sample 21
3.10.5. Exterior soil vapor samples 21

3.10.5.1. Vapor probe hole 22
3.10.5.2. Vapor point purging 22
3.10.5.3. Vapor sample collection 22
3.10.6. Basement sump sample 22
3.10.7. Sub-slab soil sampling 23
3.10.8. Quality control samples 23
3.10.9. Data validation 23
3.11. Surveying 24
3.12. Handling of investigation derived waste 24
3.12.1. Soil 24
3.12.2. Ground water 24
3.12.3. PPE and associated debris 24

4. Geologic conditions 25
4.1. Regional geology 25
4.1.1. Physiographic setting 25
4.1.2. Glacial history 25
4.1.3. Bedrock stratigraphy 26
4.2. Site geology 26
4.2.1. Unconsolidated deposits 26
4.2.2. Bedrock 26

5. Hydrogeologic conditions 29
5.1. Hydraulic properties 29
5.2. Ground water flow 29

6. Nature and extent of constituents in ground water 31
6.1. General 31
6.2. Distribution of constituents in ground water 32
6.2.1. Volatile organic compounds 32

7. Nature and extent of constituents in sub-slab soil 35
7.1 General 35
7.2. Distribution of constituents in sub-slab soils 35
7.2.1. Volatile organic compounds 35

8. Vapor intrusion pathway evaluation 37
8.1. General 37
8.2. Distribution of constituents by environmental media 38
8.2.1. Indoor air 38
8.2.2. Sub-slab vapor 38
8.2.3. Exterior soil vapor 38
8.2.4. Ambient air 39
8.2.5. Dry-cleaned garments 40
8.2.6. Basement sump water 40
8.2.7. Ground water and on-site sub-slab soil 41
8.3. Vapor intrusion pathway evaluation 41
8.3.1. On-site building data evaluation 41

8.3.1.1. Subsurface vapor intrusion 41
8.3.1.2. Direct volatilization 42
8.3.1.3. Dry-cleaned garments 42
8.3.1.4. Outdoor air 42
8.3.1.5. Standards criteria, and guidance values 43
8.3.2. Exterior data evaluation 43
8.3.3. Off-Site Home Evaluation 44

9. Human health exposure assessment 47
9.1. General 47
9.2. Methodology 47
9.3. Characterization of exposure setting 48
9.3.1. Chemical and physical site characteristics 48
9.3.1.1. Geology 49
9.3.1.2. Hydrogeology 49
9.3.1.3. Nature and extent of site-related chemical compounds 49
9.4. Constituent fate and transport 50
9.4.1. Constituent-specific considerations 50
9.4.1.1. VOCs 50
9.5. Exposure assessment 52
9.5.1. Comparison with background 53
9.5.2. Identification of potential human receptors 53
9.5.2.1. Current and future on-site workers, visitors, and residents 53
9.5.2.2. Future excavation workers 54
9.5.2.5. Current and future off-site residents 54
9.6. HHEA Conclusions 55
9.6.1. On-Site Receptors – Residents 55
9.6.2. On-Site Receptors - Workers 55
9.6.3. On-Site Receptors – General Public 55
9.6.4. On-Site and Off-Site Receptors – Excavation Workers 55
9.6.5. Off-Site Receptors - Residents 56

10. Summary and conclusions 57
10.1. Nature and extent of contamination 57
10.1.1. Constituents in ground water 58
10.1.2. Constituents in sub-slab soils 58
10.1.3. Constituents in soil vapor, indoor air and sub-slab soil vapor 59
10.2. Exposure Evaluation 59
10.2.1. Human Health Exposure Evaluation 59

11. Recommendations 61

References 63

Tables

3-1 Climate Data for Schenectady
3-2 Ground Water Screening Temporary Well Summary
3-3 Monitoring Well Construction Summary
3-4 Ground Water Elevation Data
3-5 Hydraulic Conductivity Testing Results
6-1 Ground Water Screening Results (Hits Only)
6-2 Monitoring Well Sampling Results (Hits Only)
7-1 Sub-slab Soil Sampling Results (Hits Only)
8-1 Soil Vapor and Indoor Air - Empirical Attenuation Factors and Screening for On-Site Building Exposures
8-2 Ground Water and Soil Vapor - Empirical Attenuation Factors and Soil Vapor Migration Screening for Off-Site Building Exposure*s*
8-3 Overall On-Site Indoor Air and Ambient Air Results Comparison*s*
8-4 Basement Results Comparison - Sump, Soil, Soil Vapor, and Air

Figures

1-1 Site Location Map
3-1 Ground Water Screening Locations
3-2 Monitoring Well Locations
3-3 Soil Vapor Sampling Locations
4-1 Cross-section Location Map
4-2 Cross-section A-A'
4-3 Cross-section B-B'
5-1 Ground Water Potentiometric Surface (December 2004)
5-2 Ground Water Potentiometric Surface (February 2005)
6-1 Ground Water Screening and Sampling Results
8-1 Soil Vapor and Ground Water Sampling Results

Appendices

A	Soil Boring Logs
B	Well Completion Logs
C	Indoor Air Quality Questionnaire and Building Inventory Form
D	Data Validation/Usability Report
E	Ground Water Screening Results
F	Monitoring Well Sampling Results
G	Sub-slab Soil Analytical Data
H	Indoor Air, Sub-Slab Soil Vapor, and Ambient Air Sampling Results of September 2004
I	Exterior Soil Vapor, Garment Sample, and Ambient Air Sampling Results of December 2004
J	Indoor Air, Sub-Slab Soil Vapor, and Ambient Air Sampling Results of April 2005
K	USEPA RAGS D Format Tables 1 and 2

Exhibits

1	NETC Boring Logs
2	NYSDOH Air Sampling
3	Soil Vapor/Indoor Air Matrix for PCE
4	Soil Vapor/Indoor Air Matrix for TCE
5	Sanborn Fire Insurance Maps

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1. Introduction

1.1. General

This Remedial Investigation (RI) Report presents the results of the RI of the former Dambrose Cleaners property (Site), currently known as Union Cleaners, located at 1517 Van Vranken Avenue in Schenectady, New York. A site location map is included as Figure 1-1. The Remedial Investigation/Feasibility Study (RI/FS) is being performed in accordance with the State Superfund Work Assignment #D004090-15.

The Site is currently listed in the Registry of Inactive Hazardous Waste Disposal Sites (Site No. 447030) as a Class 2 site. A Class 2 site, as described in 6NYCRR Part 375, is a site at which hazardous waste constitutes a significant threat to the human health or the environment. This RI was conducted in accordance with the Remedial Investigation / Feasibility Study Work Plan of July 2004, prepared by O'Brien & Gere and approved by the New York State Department of Environmental Conservation (NYSDEC).

As part of the RI/FS Work Plan, a site specific Health and Safety Plan (HASP), a Sampling and Analysis Plan (SAP) which includes both the Field Activities Plan (FAP) and a Quality Assurance Project Plan (QAPP), and a Citizen Participation Plan (CPP), were developed by O'Brien & Gere and approved by the NYSDEC.

1.2. Project objectives

The objectives of this RI consisted of:

- The collection of additional data necessary to evaluate and characterize the nature and extent of site-related constituents in ground water, soil vapor, and indoor air. The scope was modified to include the sampling of sub-slab soil
- The evaluation of potential exposure pathways between human receptors and site-related constituents
- The identification of remedial action objectives
- The gathering of sufficient data to support the FS process

To meet these objectives, available historical information and the RI field investigation data collected at the Site have been integrated into this RI Report.

1.3. Project scope

The field investigation associated with the RI was conducted in a phased manner. The initial screening program was conducted on September 23-24, 2004 to evaluate the presence of volatile organic compounds (VOCs) in ground water to the west of the former Dambrose Cleaners property, in the direction expected to be hydraulically downgradient. The ground water screening task included the installation of direct push soil borings and collection of grab ground water samples. One permanent monitoring well was installed during this effort to minimize disruption of traffic at the Fleet Bank property. Indoor air, ambient air, and sub-slab soil vapor samples were collected from the property during this phase of the RI.

Based on the screening data, the second phase of the RI was conducted between December 1 and 24, 2004. The second phase included the installation of additional permanent ground water monitoring wells and the sampling of all monitoring wells, *i.e.*, the six newly installed wells and five existing wells. Soil vapor sampling points were co-located with the monitoring wells to evaluate potential vapor migration within the unsaturated soil zone. The off-site activities were conducted in the area bounded by Van Vranken Avenue, and Carrie, Hattie, and Nott Streets (see Figure 1-1).

The scope of the RI as presented in the NYSDEC-approved RI/FS Work Plan was modified during the course of the investigation. The NYSDEC- approved RI/FS Work Plan specified the use of low-flow sampling techniques. Due to the poor response of the monitoring wells to the low-flow sampling methodology, and the need to expedite the ground water sampling program, disposable bailers were substituted for ground water sample collection. In addition, supplemental indoor and ambient air samples were collected to augment the data obtained during the first phase of the RI, and sub-slab soil was sampled where elevated concentrations of sub-slab soil vapor were detected in the initial investigation. These deviations from the methods and scope described in the Work Plan were pre-authorized by the NYSDEC project manager.

A complete description of the field investigation methodology is included as Section 3.

1.4. Report organization

Section 1 of this RI report outlines the initiation, objectives, and scope of the project. Section 2 discusses the facility background, including a summary of previous investigations.

Field methodologies associated with implementation of the RI field activities are described in Section 3. In addition to field methodologies and protocols, Section 3 briefly summarizes the data, analytical

techniques, and results of various analyses upon which later sections are based.

Section 4 presents regional and site-specific geologic information and provides the framework for Section 5, which details hydrogeologic conditions. Section 6 discusses the nature and extent of VOCs in ground water. Section 7 discusses the nature and extent of those constituents that may contribute to vapor intrusion, including indoor air and sub-slab soil vapor, ambient air and the contribution from dry-cleaned clothing, basement sump water, sub-slab and exterior soil vapor. The contamination of sub-slab soil is discussed in Section 8. Section 9 presents the results of a human health risk assessment. The summary and conclusions are discussed in Section 10, and Section 11 presents recommendations for future work.

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2. Background

2.1. General

The former Dambrose Cleaners property is located at 1517 Van Vranken Avenue in Schenectady, New York, and is bounded by Van Vranken Avenue to the east and by residential properties to the north, west, and south (Figure 1-1). The approximately 0.11-acre parcel is located in a portion of the city that consists primarily of residential dwellings and some non-manufacturing commercial businesses. The primary dwelling at the Site is a two-story wood and masonry building. The grounds of Union College are located across Nott Street to the south.

The off-site investigation included the block bounded by Nott Street, Van Vranken Avenue, Hattie Street, and Carrie Street.

The topography of the site and surrounding properties is relatively level, sloping gently to the northwest in the direction of the Mohawk River, from about 290 feet above mean sea level (AMSL) at the site to approximately 210 feet AMSL at the river.

2.2. Site background

2.2.1. General

Currently, the site operates as a dry cleaner drop-off location and no dry cleaning operations take place at the site.

The building on-site was used as a two-family residence from the early 1900s through at least 1954, when Albert and Mary Dambrosio purchased the property. In the late 1950s, the Dambrosios converted the first floor into a dry cleaning operation. In 1976, George and Dolores Hebert purchased the property from the Dambrosios. Mr. Hebert was an employee of Dambrose Cleaners prior to taking ownership of the business, and operated the business from 1976 to 1993, and again from 1995 to 2000 when dry cleaning operations ended on the site. The building was sold to the current owners in 2001.

According to information supplied by the NYSDEC, Mr. Hebert alleged that in about 1989, a small amount of tetrachloroethene (perchloroethene, or PCE) was spilled on the ground near the rear of the building as drums were being delivered. Poor operational practices over a period of more than 20 years may have caused additional onsite contamination by PCE.

Historically, the first floor of the building was used for dry cleaning operations and the second floor as an apartment residence. The first floor was the former location of the dry cleaning machine, distillation tank, air filter unit, and PCE storage tanks. An addition on the back of the building constructed in 1984 is currently used as an apartment. The now-demolished garage located behind the building in the present day parking area was the former location of a solvent storage area.

Clough, Harbour & Associates (CHA) completed a Phase I Environmental Assessment in October 1997 as part of a proposed property ownership transfer. The use and storage of PCE was identified in this investigation. This initial investigation was followed up with a Phase II Site Assessment completed in December 1997 by Northeast Environmental Technologies Corporation for Mr. Hebert. This investigation identified concentrations of PCE and related degradation products above standards in soil and ground water samples. A Preliminary Site Assessment was performed by Northeast Environmental Technologies Corporation for the property owner, George D. Herbert, under an Order of Consent with the DEC signed on July 1, 1999. This investigation further defined a PCE ground water plume; however, the horizontal extent of the contamination was not fully identified. Indoor air sampling by the New York State Department of Health identified elevated levels of PCE and related degradation products in indoor air.

On May 5, 2000, Mr. Hebert entered into the Voluntary Cleanup Program (VCP) to remediate the site (NYSDEC, 2005). However, he did not have the financial means to complete the cleanup, and the NYSDEC assumed responsibility for the site in June 2001. The site was added to the Registry of Inactive Hazardous Waste Disposal Sites on December 6, 2001 as Site #4-47-030.

2.3. Historical environmental data

2.3.1. Previous investigations

A Phase I Environmental Site Assessment (ESA) was performed in 1997 at the former Dambrose Cleaners property by CHA for Key Bank. The results are presented in *Phase I Environmental Site Assessment of Dambrose Cleaners* (CHA, 1997). The property inspection found several potential areas of recognized environmental conditions. As a result of the property inspection, and the history of use as a dry cleaning establishment using solvents such as PCE, CHA recommended that a preliminary subsurface investigation and ground water monitoring program be performed to further evaluate site conditions.

Northeastern Environmental Technologies Corporation (NETC) conducted a Phase II ESA for the property owner in 1997, and presented the results of the ESA in *Phase II Environmental Site Assessment*

Dambrose Cleaners Site (NETC, 1997). NETC investigated the site geology as part of a limited subsurface investigation including soil borings, soil vapor samples, and groundwater samples, all collected using direct push sampling techniques. Groundwater samples from three soil borings located near the rear of the building exterior contained elevated concentrations of PCE and related degradation products such as trichloroethene (TCE), dichloroethene (DCE) and vinyl chloride (VC). Concentrations were highest in groundwater from boring B2, located closest to the former hazardous waste storage area, and included PCE at 15,000 µg/l, TCE at 1,200 µg/l, cis-1-2-DCE at 5,000 µg/l, and vinyl chloride at 600 µg/l.

The Preliminary Site Assessment and Proposed Remedial Action Plan (NETC, 1999) conducted by NETC for the owner under the VCP found elevated concentrations of VOCs, consisting of PCE and related degradation products, to be present in soil, ground water, and soil vapor samples. Detectable concentrations of PCE were widespread; concentrations as high as 6,565 ppb, or greater than 44,000 micrograms per cubic meter of air (µg/m^3), were found in soil vapor samples collected near the northeast corner of the building where a drum spill had allegedly occurred. Elevated soil vapor concentrations were also detected near the rear of the building where the dry cleaning machinery, basement sump, PCE storage tanks, and hazardous waste storage area were located. Boring logs of the monitoring wells installed as part of this assessment are included as Exhibit 1.

Indoor air sampling conducted by the New York State Department of Health (NYSDOH) in 1999 and 2001 indicated concentrations of PCE as high as 550 µg/m^3 in the apartment located above the dry cleaning business. The results of the analyses performed on the air samples collected by NYSDOH using passive PCE badges are provided in Exhibit 2. NYSDOH recommends (NYSDOH, 2003) that the average air level in a residential community not exceed 100 µg/m^3 of PCE, considering continuous lifetime exposure and sensitive people. NYSDOH also recommends taking immediate action to reduce exposure when an air level is ten times or more higher than the guideline (that is, when the air level is 1,000 µg/m^3 or higher). In all cases, the specific corrective actions to be taken depend on a case-by-case evaluation of the situation. The goal of the recommended action is to reduce PCE levels in indoor air to as close to background (<10 µg/m^3) as practical.

NYSDOH (2005) published a draft decision matrix for PCE (Matrix 2) that employs indoor air and sub-slab vapor concentrations to guide future actions; this matrix is included as Exhibit 3. A similar matrix has been developed by NYSDOH for TCE (Matrix 1), included as Exhibit 4.

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3. Field investigation methodology

3.1. General

This section describes the procedures followed while performing the tasks associated with the RI scope of work presented in the RI/FS Work Plan (O'Brien & Gere, 2004)

3.2. Literature search

O'Brien & Gere obtained and reviewed the following information relating to the site, which were provided by NYSDEC:

- Phase I Environmental Site Assessment (Clough Harbor, and Associates, LLP 1997)
- Phase II Site Assessment (Northeastern Environmental Technologies Corp. 1997)
- Preliminary Site Assessment and Proposed Remedial Action Plan (Northeastern Environmental Technologies Corp. 1999)

Information gathered from these documents was utilized to develop the scope of RI activities, and is summarized in Section 2 above.

3.2.1. Public records review

In addition, O'Brien & Gere reviewed the following information relating to the site:

- Air sampling results from the NYSDOH
- EDR/Sanborn Maps
- Property tax/ownership maps and records
- Available published geologic and hydrogeologic reports for the area
- Climate data for general area of the site

3.2.1.1. NYSDOH air sampling results

NYSDOH conducted indoor and ambient air sampling at the former Dambrose Cleaners property in 1999 and 2001. Badge samples were analyzed for tetrachloroethene (PCE) by the NYSDOH Wadsworth Center analytical laboratory.

Samples (and duplicates) were collected on March 18, 1999 in various areas within the upstairs apartment, including the hallway, living room, and bedroom; the ambient sample collected in the backyard. Concentrations of PCE ranged from 350 $\mu g/m^3$ in the hallway, 470 $\mu g/m^3$ in the living room, to 550 $\mu g/m^3$ in the rear bedroom. The sample identified as an ambient air sample collected in the backyard contained 540 $\mu g/m^3$.

Samples collected on November 14, 1999 returned concentrations of PCE ranging from 220 $\mu g/m^3$ in the living room, 420 $\mu g/m^3$ in the hallway, to 540 $\mu g/m^3$ in the rear bedroom. A concentration of 16 $\mu g/m^3$ was detected in ambient backyard air.

Detected concentrations in the sampling of 2001 were generally lower than the 1999 event, ranging from 70 $\mu g/m^3$ in the living room and 110 $\mu g/m^3$ in the hallway, to 380 $\mu g/m^3$ in the rear bedroom. The concentrations in the ambient air sample were below the detection limit (5 $\mu g/m^3$).

3.2.1.2. EDR/Sanborn maps

The subject property was included in Sanborn map coverage for the years 1900, 1914, 1930, 1949, 1988, 1989, 1990, 1992, 1993, 1994, and 1995. The property was not shown on the 1900 map; between 1900 and 1914 the number of structures in the block bounded by Van Vranken, Nott, Carrie, and Hattie increased as lots were subdivided. The building housing the former Dambrose Cleaners was first shown on the 1914 map, and a few additional structures appeared on the 1930 map; the 1949 map was similar to that of 1930.

The first use of the property was as a residence. The former garage at the rear of the building first appeared on the 1930 map. The front addition first appeared on the 1988 map; this map indicated the subject property as a dry cleaning business surrounded by a residential community with a bank, tavern, and several small commercial businesses. The 1989, 1990, 1992, 1993, 1994, and 1995 are not significantly changed from the 1988 map. No industrial or manufacturing uses of the property, or the surrounding area, were noted on these maps. The Sanborn maps are included as Exhibit 5.

3.2.1.3. Geologic and hydrogeologic reports

Several reports pertaining to regional geologic features, in addition to the site-specific reports cited above, were reviewed to develop a generalized geologic and hydrogeologic framework for the subject site. These documents are listed in the reference section.

3.2.1.4. Climate data

Climate data for Schenectady was obtained from the National Climatic Data Center (NCDC) of the National Oceanic and Atmospheric Administration. The NCDC database contains historical monthly precipitation data for all U.S. cooperative and National Weather Service stations. The periods of record vary by station, with some stations having data back to about 1900, although many begin around the 1948 time frame, and the data files are complete through 1995.

The data listed in Table 3-1 originated at the weather station identified as Schenectady, Schenectady County (ID 307513), located at about 42.83°N 73.91°W, and about 67 meters, or 219 feet, above sea level. The data includes monthly average rainfall, average temperature, average maximum temperature, and average minimum temperature.

3.3. Base map development

Orthoimagery was downloaded from the New York State GIS Clearinghouse for the site and surrounding area, and tax maps were obtained from the Schenectady County Real Property Tax office to prepare a base map of the Site. The base map was prepared by compiling sections of aerial photography and digitized tax maps using computer assisted drafting software.

3.4. Well survey

The Schenectady City Water Works (NY4600070) serves the site with potable water, and draws water from the Schenectady/Niskayuna Aquifer System. The Schenectady/ Niskayuna Aquifer System is composed of permeable sand and gravel deposits overlying till. The Environmental Protection Agency (EPA) has determined that the aquifer, underlying portions of Albany, Saratoga, and Schenectady Counties, is the sole or principal source of drinking water for Ballston Lake, Burnt Hills, Charlton, Glenville, Niskayuna, Rexford, Rotterdam, Schenectady and Scotia. The former Dambrose Cleaners site is located over this aquifer.

The City of Schenectady operates a well field consisting of 12 wells and a pumping station adjacent to the Mohawk River near I-890 and Rice Road in the Town of Rotterdam. The Town of Rotterdam pumping station is nearby; both are more than two miles approximately due west from the Dambrose Cleaners site.

The Town of Niskayuna water supply is drawn from seven wells near the Mohawk River in the Town of Niskayuna. In 2003, approximately 40% of the Town's water was supplied by these wells; 60% was drawn from the City of Schenectady wells located in the Town of Rotterdam. The Town of Niskayuna supply wells are located more than two miles northeast from the Site.

3.5. Preliminary screening program

The objective of the preliminary screening program was to characterize conditions in the overburden materials, and to further evaluate the extent of the VOC plume within the unconsolidated deposits in the presumed direction of ground water flow west of the Site.

The preliminary screening program involved the installation of soil borings using direct push sampling methods and the subsequent collection of grab ground water samples. Indoor air, ambient air, and sub-slab soil vapor samples were also collected during this phase of the RI.

3.5.1. Ground water screening

As shown on Figure 3-1, ground water samples were collected from sixteen locations at or near the Site on September 23-24, 2004. In accordance with the RI/FS Work Plan, each ground water sample was collected using direct push drilling techniques. Drilling activities were performed by Zebra Environmental Co. of Albany, New York using a Geoprobe® direct push rig. An O'Brien & Gere geologist supervised the soil boring installation activities.

At each ground water screening location, a slotted drill rod was advanced to depths ranging from 8 to 19 feet below ground surface. After advancement of the drill rods to the targeted depth, small diameter polyethylene tubing was installed through the drill rods with the bottom of the tubing positioned within the slotted section of the drill rod. A peristaltic pump was then attached to the tubing to collect a ground water sample. If a sample could not be obtained, a temporary monitoring well was installed in the borehole to facilitate the collection of the ground water samples.

The temporary monitoring wells were constructed of 1-inch ID, flush joint, schedule 40 polyvinyl chloride (PVC) riser pipe with a five foot length of 0.010-inch slot well screen placed at the bottom of the borehole. Once ground water recovered in the well, a ground water sample was collected using a peristaltic pump and polyethylene tubing. A summary of the direct push boring grab ground water sampling program, including depth of boring, screened intervals and screening method are summarized on Table 3-2.

The ground water samples were submitted to O'Brien & Gere Laboratories, Inc. of Syracuse, New York for VOC analysis using USEPA Method OLM04.2. Quality assurance/quality control (QA/QC) samples were not collected as part of the ground water screening task; however, an equipment blank was collected due to the use of non-dedicated sampling equipment. Trip blanks were included with each

cooler that contained samples for VOC analysis. The sample containers were labeled with the sample identification, date, time, project identification, and required laboratory analysis. The same information was recorded on the corresponding field data sheets. Each ground water sample was placed in a cooler containing ice immediately following collection.

New nitrile gloves were donned by field personnel prior to collection of each ground water sample. Sampling notes, including weather conditions, screen interval, and sampling details were recorded in the field notebook. Chain-of-custody documentation was maintained daily following procedures provided in the NYSDEC-approved RI/FS Work Plan. Section 6 presents the results of the ground water sample analyses.

3.5.2. Sub-slab soil vapor sampling

One sub-slab soil vapor sample was collected in the basement of the former Dambrose Cleaners building, and one sample was collected from below the floor of the rear apartment. Sample flow controllers were calibrated to collect the sample over a 24-hour period; samples were collected in 1.0 L Silonite® coated stainless steel vacuum canisters. Samples were submitted to Centek Laboratories, Inc. of Syracuse, New York for analysis according to USEPA Method TO15. One duplicate sample was submitted for analysis; the duplicate was collected from the basement sub-slab space. Chain-of-custody documentation was maintained daily following procedures provided in the NYSDEC-approved RI/FS Work Plan. Results of the sub-slab soil vapor sampling are discussed in Section 7.

3.5.3. Indoor air sampling

During the initial phase of the remedial investigation four indoor air samples were collected from the former Dambrose Cleaners building, including the basement, the first floor dry-cleaning drop off area, the rear apartment (first floor), and the front apartment (second floor). Samples were collected in 1.0L Silonite®-coated stainless steel vacuum canisters over a 24-hour period. Samples were submitted to Centek Laboratories for analysis according to USEPA Method TO15. One outdoor background sample was collected from behind the building, and one trip blank was submitted for analysis. Chain-of-custody documentation was maintained daily following procedures provided in the NYSDEC-approved RI/FS Work Plan. Results of the indoor air and ambient air sampling are discussed in Section 7.

3.6. Drilling and well installation program

A monitoring well installation and sampling program was implemented to further evaluate hydrogeologic conditions and potential contamination at the Site. The analytical results of the aforementioned preliminary ground water screening program were used to select the locations of the permanent monitoring wells installed during the second phase of the RI. Between December 1-2, 2004, six unconsolidated unit monitoring wells (*i.e.*, MW-6 to MW-11) were installed at the Site. Due to property access considerations, one permanent monitoring well (*i.e.*, MW-5) was installed on September 24, 2004 during the preliminary screening program. The location of new and existing monitoring wells are shown on Figure 3-2. Zebra Environmental Co. of Albany, New York preformed the drilling and well installation activities under the supervision of an O'Brien & Gere geologist.

3.6.1. Overburden drilling procedures

Permanent monitoring well borings were advanced using direct push drilling methods. The direct push sampling technique utilizes a 2.2-inch outer diameter cutting shoe and Macro-Core® sampler lined with a 1.5-inch diameter polyvinyl chloride sleeve to collect soil samples with minimal disturbance. Soil samples were obtained continuously in 4-foot increments. Upon recovery, a representative soil sample from each sampler was transferred to a zip-lock plastic bag and allowed to equilibrate to the ambient air temperature. The headspace was then analyzed for total VOCs using a calibrated photoionization detector (PID).

Soil samples were logged in the field by the supervising geologist using the Modified Burmister and Unified Soil Classification Systems. In addition to logging the geologic descriptions, observations including soil sample texture, composition, color, consistency, moisture content, sample recovery, PID readings and noticeable odors or stains were recorded by the geologist. During advancement, soils were continuously sampled. The color, moisture content, density, grain-size distribution, and percentage of recovery of each soil sample were recorded on test boring logs. The soil boring logs are included in Appendix A.

3.6.2. Well installation

Monitoring wells were constructed of 1-inch ID, flush joint, Schedule 40 PVC riser pipe with either a 5- or 10-foot length of 0.010-inch slot PVC well screen. A well screen with an outside diameter of 2.5 inches, pre-packed using 20/40-grade sand, was fitted to the riser before installation. Additional sand pack material was installed around the pre-packed well screen to stabilize the screen in the borehole. The sand pack extended from the bottom of the boring to approximately 2 feet above the top of

the screen. A bentonite seal was placed above the sand pack to form a seal at least 2 feet in thickness; cement-bentonite grout extended from the top of the bentonite seal to the ground surface. The grout material consisted of Type I Portland cement mixed with either a powdered or granular bentonite. Flush mounted casings were then installed to protect each monitoring well.

Table 3-3 is a summary of the monitoring well construction and survey data, including ground surface and measuring point elevations, screened intervals, and sand pack intervals. For detailed information, refer to the well completion logs provided in Appendix B.

3.6.3. Decontamination procedures

During the drilling program, decontamination procedures as described in the RI/FS Work Plan were followed so that potential contaminants were not introduced into the borehole or transferred across the Site. Well construction materials were transported to the Site in factory-sealed plastic.

Potable water was used for decontamination and drilling procedures. Decontamination water was collected and stored for subsequent characterization and off-site disposal in accordance with the RI/FS Work Plan.

3.6.4. Well development

Following the completion of the monitoring well installation program, each newly installed and existing monitoring well was developed prior to ground water sampling. Each newly constructed monitoring well was developed to:

- Remove fine-grained materials from the sand pack and formation
- Reduce the turbidity of ground water samples
- Increase the yield of the well to ensure a sufficient volume of water was available during ground water sampling.

The monitoring wells were developed as soon as possible, but not less than 24 hours after installation. The wells were developed using the procedures presented in the RI/FS Work Plan.

Well development included the removal of ground water from the well to remove residual drilling materials and establish an effective hydraulic connection between the screened interval and the formation. The goal for development was to obtain ground water in which the pH, temperature and specific conductivity had stabilized and exhibited a turbidity of less than or equal to 50 Nephelometric Turbidity Units (NTUs). Independent of the field parameters, a minimum of five well

volumes were removed during well development. If the aforementioned stabilization of field parameters could not be obtained, well development continued until an amount of ground water equivalent to ten well volumes was removed. Ground water and solids produced during well development were managed as described in the RI/FS Work Plan.

3.7. Ground water elevation monitoring

Two sets of synoptic ground water elevation measurements were collected from each of the permanent monitoring wells during the course of the RI. Ground water elevation measurements were obtained from the new wells after well development activities were completed. Prior to purging and sampling activities associated with the ground water sampling event, water level measurements were also obtained by O'Brien & Gere personnel. The ground water elevation data are presented in Table 3-4 for December 15, 2004 and February 2, 2005. Monitoring well MW-5 was not accessible because of a heavy accumulation of snow during the February 2005 sampling event.

Ground water elevation measurements were obtained with an electronic water level indicator. The electronic water level measurement method involved lowering a probe into a well; upon submersion in water, a circuit was closed and the water level indicator provided an audible and/or visual alarm indicating contact with water. The depth to water was measured to the nearest 0.01-foot on the attached measuring tape using the marked measuring point on the monitoring well riser pipe or casing as a reference. Depth to water measurements were recorded on the field forms. Nitrile gloves were worn by field personnel during water level measurement activities, and equipment was decontaminated after each use.

3.8. Ground water sampling program

Ground water samples were collected on December 16 and 24, 2004 from the newly installed monitoring wells MW-5, MW-6, MW-7, MW-8, MW-9, MW-10 and MW-11 and from existing monitoring wells MW-1, MW-2, MW-3, and MW-4 for laboratory analysis. Prior to the collection of ground water samples, static water levels were measured to the nearest 0.01-foot in each monitoring well. Care was taken to disturb only the upper portion of the water column to avoid resuspending settled solids in the wells. Water level measurements were performed as described in Section 3.7.

Each monitoring well was adequately purged prior to sampling to collect representative ground water samples. In rapidly recharging wells, thorough purging was accomplished by the removal of a minimum of three well volumes; in slowly recharging wells; the wells were purged to dryness or a minimum of one well volume. The purge water was

transferred into 55-gallon steel drums, secured, and staged at the Site for removal.

The ground water samples were collected using disposable bailers. The sample containers were labeled with the sample identification, date, time, project identification, and required laboratory analyses. Similar information was recorded on the field data sheets. The ground water samples were placed in a cooler containing wet ice immediately after sampling.

In addition, pH, temperature, specific conductivity, turbidity, and dissolved oxygen were measured at the time of sample collection and recorded on the field data sheets. New nitrile gloves were donned by field personnel prior to collection of each ground water sample. Chain-of-custody documentation was maintained daily following procedures outlined in the NYSDEC-approved RI/FS Work Plan.

Ground water samples collected from the permanent monitoring wells were analyzed by O'Brien & Gere Laboratories, Inc., of Syracuse, New York for TCL VOCs using USEPA Method OLM04.2. QC sampling consisted of one blind duplicate sample, one set of MS/MSD samples, and two trip blank samples (one trip blank was included in each shipment)

3.9. Hydraulic conductivity testing

In situ hydraulic conductivity tests were performed on the new and existing monitoring wells to estimate the hydraulic conductivity of the geologic materials immediately surrounding each well. Hydraulic conductivity tests, commonly referred to as slug tests, involved monitoring the recovery of water levels toward an equilibrium level after an initial perturbation. The perturbation may be a sudden rise or fall in the water level that corresponds to either the addition or removal of a physical slug, respectively. During the slug test, either a 5-foot inert rod or a volume of deionized water was rapidly introduced into the well causing the water level to rise (falling head test). During a rising head test, a 5-foot inert rod was rapidly removed from the well causing the water level to drop.

Prior to conducting the tests, background water levels were collected manually and digitally using a miniTROLL® pressure transducer and data logger manufactured by In-Situ Inc. The instruments were lowered into the well to a point 5 to 10 feet below the water surface and secured by attaching the transducer cable to the well casing using a stainless steel clamp. Since the addition of the data logger displaced ambient water in the small diameter monitoring wells, the water level in each well was allowed to re-equilibrate to static conditions prior to starting the test. After the ground water level had recovered, the data logger was programmed to record the water levels on a logarithmic scale. The

hydraulic conductivity tests were not considered complete until a minimum of 90% recovery was achieved. Equipment lowered into the monitoring wells was decontaminated after each test using a phosphate-free detergent, distilled water wash and a distilled water rinse.

Interpretation of the slug test data was performed using the Bouwer and Rice (1976) method. The principle behind the Bouwer and Rice method is that a plot of recovery data (S_o-S_t) versus time (t) theoretically follows a straight line on a semi-log plot. Horizontal hydraulic conductivity (K) is then calculated as follows:

$$K = [In(s_o)-In(s_t)]r^2_{ce}In(r_e/r_w)/2Lt$$

where:

K = hydraulic conductivity;
L = length of well screen/sand pack (intake);
t = time since initial displacement;
s_o = initial displacement in well;
s_t = displacement at time t;
r_e = equivalent radius over which head loss occurs;
r_c = well casing radius;
r_w = well radius (borehole);and,
$r_{ce} = [r_c^2+n(r_w^2- r_c^2)]^{½}$

The Bouwer and Rice method assumes that the aquifer being evaluated is unconfined, homogeneous and isotropic. This method is most appropriate for shallow wells screened in well sorted sand below the water table, but it is also applicable to aquifers that are not in strict accordance with the assumptions stated above. Bouwer and Rice recommend computing an equivalent casing radius (r_{ce}) to correct for the porosity of the gravel pack when the height of the static water column in the well is less than the screen length.

Table 3-5 summarizes the results of the hydraulic conductivity testing program. Values of hydraulic conductivity ranged from a maximum arithmetic mean of $1.60E^{-02}$ centimeters per second (cm/sec) in MW-2 to a minimum of $2.81E^{-04}$ in MW-9, a well partially screened in the till unit.

Estimated values of hydraulic conductivity are dependent on the bulk properties of the matrix sampled; the resultant values of hydraulic conductivity are based on that of the glaciolacustrine unit and the relatively high conductivity of the weathered units above the bedrock.

The results of the hydraulic conductivity testing of MW-1, MW-3, and MW-11 yielded unreliable values of hydraulic conductivity; these wells are not included in the analysis.

3.10. Vapor Intrusion Evaluation Sampling

In accordance with the RI Work Plan, the first phase of the vapor intrusion investigation (September 23, 2004) included the collection of four indoor air samples, one sub-slab vapor sample, and one ambient air sample at the Site. One sump water sample was also collected from an open sump in the basement.

The results of the initial ground water, sub-slab, and indoor air data sampling were evaluated to guide further sampling activities in the second phase of the RI. Based on the data evaluation, which included the distribution of detected VOCs and the observed depths to ground water, the second phase of the RI was planned in collaboration with the NYSDEC to further define contamination at the Site. The second phase of sampling conducted on December 2, 2004, included collection of an air sample from a bagged, freshly dry-cleaned garment, ten exterior soil vapor samples co-located with ground water monitoring wells, and three sub-slab soil samples.

The results of the sampling were evaluated to determine the potential for vapor intrusion of site-related chemicals of concern (COC); this analysis is discussed below and in Section 8.

3.10.1. Indoor air samples

The Indoor Air Sampling & Analysis Guidance of the NYSDOH (2001) was consulted before air sampling at the Site. The two associated forms, the Indoor Air Quality Questionnaire and Building Inventory Form, and the Product Inventory Form were completed to qualitatively assess building conditions and potential sources of air quality impacts prior to the collection of indoor air samples. The completed forms are included in Appendix C.

Products likely to contain target COCs were not observed or reported by occupants, and the basement PID survey of the former Dambrose Cleaners building did not indicate ambient sources of VOCs. However, potential preferential pathways for subsurface vapors were observed, including ground water discharging through cracks at the bottom of the basement wall, and an open sump in the southwest corner of the basement.

Indoor air samples were collected from the basement, the first floor dry-cleaning drop off area, the rear apartment (first floor), and the front apartment (second floor) on September 23, 2004. Samples were collected in 1.0L Silonite®-coated stainless steel vacuum canisters. Sample flow controllers were calibrated to collect the sample over a 24-hour period to account for any daily building activities that might influence VOC concentrations in indoor air. A chain-of-custody was maintained and the samples were submitted to Centek Laboratories for analysis by USEPA Method TO15.

3.10.2. Sub-slab/joist-space samples

On September 23, 2004, one sub-slab sample was collected in the basement of the former Dambrose Cleaners building and one joist-space sample was collected from below the floor of the rear apartment (first floor).

An inspection of the rear apartment addition indicated that it is constructed at the same elevation of the former Dambrose Cleaners building, located about 8 feet above the adjacent basement slab and approximately 4 to 5 feet above the adjacent parking lot. The concrete block apartment foundation is built out from the original basement wall. The space between the apartment and building foundation appears to have been backfilled, therefore, the joist space below the apartment floor was only accessible for sample collection by drilling a small hole into the space from the basement of the original building.

To collect the sub-slab sample, a 1-inch diameter hole was drilled partially through the concrete slab. Next, an approximately $^{1}/_{4}$-inch hole was drilled to a depth just beneath the slab. A section of $^{1}/_{8}$-inch diameter tubing was inserted through the hole in a 1-inch diameter rubber stopper, and the stopper was pushed into the hole so that the tubing extended into the sub-slab air space. The hole was sealed with hydrated bentonite to prevent infiltration of ambient air and resulting dilution of the sample.

Prior to sample collection, the sampling apparatus was purged and, similar to the aforementioned procedure used for indoor air, the sample was collected in an evacuated a 1.0L Silonite®-coated stainless steel vacuum canister. Sample flow controllers were calibrated to collect the sample over a 24-hour period. Chain-of-custody documentation was maintained, and all samples were submitted to Centek Laboratories of Syracuse, New York for analysis according to USEPA Method TO15.

3.10.3. Ambient air samples

An ambient background sample was collected on September 23, 2004 from the rear (west side) of the building. The sampling apparatus was hung from a clothesline post, directly below and in close proximity to a large (approximately 24-inch diameter) box elder (*Acer negundo*) tree. The tree was located within 20 feet of MW-2, in an area where high levels of site-related constituents were historically detected in ground water.

As discussed in Section 8.2.4, unexpectedly high concentrations of VOCs (120 µg/m^3 PCE, 1.1 µg/m^3 TCE) were detected in this sample. Ambient air levels were confirmed during subsequent re-sampling on December 2, 2004, after the leaves had fallen and the trees were dormant. The confirmatory background sample was collected about 50

feet from the previous location on the south side of the building. Lower concentrations of VOCs were detected during this event (1.2 µg/m^3 PCE, 3.0 µg/m^3 TCE, and 0.81 µg/m^3 DCE).

The ambient air samples were collected in 1.0L canisters similar to the methods used for indoor air sampling. Chain-of-custody documentation was maintained, and all samples were submitted to Centek Laboratories for analysis according to USEPA Method TO15.

3.10.4. Garment air sample

Analytical results of the indoor air samples collected in September indicated that PCE and TCE levels in indoor air were higher in the first floor drop off area as compared to the lower concentrations detected in the basement. As the basement is closer to potential subsurface sources, and, since no forced air heating system was present to exhaust indoor air, the basement would be expected to have an equivalent or higher concentration of Site-related COCs. Therefore, a potential alternate source of indoor air vapors was considered likely.

Garments returning to the on-site drop-off area from off-site dry cleaning operations would be expected to contain residual dry cleaning solvents including the common dry cleaning solvent PCE. Therefore, to assess the potential for PCE vapor contributions from other than subsurface sources, an air sample was collected on December 2, 2004, from beneath the plastic bag surrounding a freshly cleaned wool coat hanging on the garment conveyer.

The sample was collected in a 1.0L evacuated canister in a manner similar to the method used for indoor air sampling, although over a collection period of two hours rather than the 24-hour period for indoor samples. Chain-of-custody documentation was maintained and the sample was submitted to Centek Laboratories for analysis using USEPA Method TO15.

3.10.5. Exterior soil vapor samples

Ten exterior soil vapor samples were collected in the second phase of the RI, located both on- and off-site. The samples were generally co-located with ground water monitoring wells. Figure 3-3 illustrates the location of soil vapor sampling points.

Samples were generally collected from a depth of about 5 feet below ground surface, a depth expected to be directly above the local water table. However, as ground water was encountered at shallower depths in some locations, the sample depth was adjusted to enable sample collection from above the ground water to prevent the collection of water into the sampling canister. The procedures used to install the sampling apparatus and to collect the samples are described below.

3.10.5.1. Vapor probe hole

For each sample, $^{1}/_{8}$-inch diameter tubing was pushed through the interior of a $^{3}/_{4}$-inch diameter hollow steel rod and connected to a dedicated, stainless steel vapor point with a fluoropolymer umbrella. The soil vapor sampling apparatus was installed by then pushing the steel rod into the soil by use of a manual slide hammer or powered hammer tool depending on ground surface and/or soil conditions. At the selected sampling depth, the hollow rod was removed and the sampling tip and tubing remained in place. After the hollow rod was extracted, a uniform-grade #1A crushed stone was installed to approximately 6-inches above the sampling point in the annulus around the sample tubing. The crushed stone and surrounding soil provided a permeable pathway for soil vapor to flow into the sampling point. The upper portion of the annulus was sealed with grout to preclude ambient air from being drawn down the annulus to the sampling point and short-circuiting the sample collection.

3.10.5.2. Vapor point purging

Each sampling apparatus, consisting of the vapor sampling point, stone pack, and tubing, was purged of about one to three volumes of ambient air with a 60-cubic centimeter syringe to provide samples that were representative of subsurface conditions. In addition, to allow subsurface conditions to equilibrate after the installation of the sampling point, the points were left in place for a minimum of 30 minutes prior to sample collection.

3.10.5.3. Vapor sample collection

After the sample points were purged, air samples were collected in 1.0L Silonite®-coated stainless steel vacuum canisters. Sample flow controllers were calibrated to collect the sample over a 4-hour period.

Chain-of-custody documentation was maintained and the samples were submitted to Centek Laboratories for analysis according to USEPA Method TO15. Sampling equipment designated for re-use was decontaminated between each installation.

3.10.6. Basement sump sample

The building inspection showed ground water seepage through the basement walls and the presence of an open sump. The sump is located in the southwest corner of the building, near the former location of dry cleaning machinery and PCE storage.

On September 24, 2004, a sump water sample was collected to evaluate the potential for volatilization of VOCs from ground water directly to indoor air. The sump water sample container was labeled with the sample location, sampling date and time, project identification, and required analysis. The same information was recorded on the field data sheets. Upon collection, the sample was immediately placed in an

insulated cooler containing wet ice. New nitrile gloves were donned by field personnel prior to the collection of the sample. Chain-of-custody documentation was maintained, and the sample was submitted with the grab ground water samples. O'Brien & Gere Laboratories, Inc. analyzed the samples for TCL VOCs using USEPA Method OLM04.2.

3.10.7. Sub-slab soil sampling

Sub-slab soil samples were collected on December 2, 2004 from three locations in the basement of the former Dambrose Cleaners building. Sample SS-1 was collected from the location near the rear of the basement where the sub-slab soil vapor sampling conducted during the initial phase of the RI detected high levels of contamination (PCE). Sample SS-3 was collected from the area under the stairs near the location where the soil vapor survey conducted by NETC indicated high levels of PCE in the soil vapor. Sample SS-2 was collected from an intermediate location between SS-1 and SS-3 in the area where the dry cleaning equipment was formerly located.

A 1-inch masonry bit and impact drill was used to drill a pilot hole for the soil sampling tube. New nitrile gloves were donned by field personnel prior to the collection of each sample. The sub-slab soil samples were collected with a stainless-steel sampling tube from a depth of approximately 2 to 6 inches below the slab, and subsequently transferred to laboratory-provided sample containers.

The sample containers were labeled with the sample locations, sampling date and time, project identification and required analysis. The same information was recorded on the field sheets. Upon collection, the samples were placed in an insulated cooler containing wet ice. Per the direction of the NYSDEC, no QA/QC samples were collected.

All samples were submitted to O'Brien & Gere Laboratories, Inc., for TCL VOCs using USEPA Method OLM04.2. Chain-of-custody documentation was maintained following procedures provided in the NYSDEC-approved RI/FS Work Plan. Section 9 presents the results of the sub-slab soil sample analysis.

3.10.8. Quality control samples

Air and soil vapor sampling included quality control (QC) sample collection and analyses. Included in the QC samples were field duplicates, a field trip blank, laboratory blank spike, laboratory MS/MSD, and laboratory method blank.

3.10.9. Data validation

One hundred percent of the indoor air samples were validated and fifty percent of the off-site soil vapor samples were submitted for data validation. Environmental sample data were validated by a third-party

validator independent of the analytical laboratory. A data usability analysis was conducted by O'Brien & Gere's Quality Assurance Officer assigned to this project. The Data Validation/Usability Report is attached as Appendix D.

3.11. Surveying

Following the completion of field activities, the newly-installed monitoring wells and existing monitoring wells were surveyed for horizontal and vertical control and were incorporated into the existing Site base map. For each of the monitoring wells, the top of the riser pipe (reference point) and the top of protective casing were surveyed vertically to the nearest 0.01 feet. The ground surface at each monitoring well and sampling location were also surveyed to the nearest 0.01 feet. Richard M. Rybinski, L.S. of Manlius, New York performed the survey.

3.12. Handling of investigation derived waste

The RI activities produced Investigation Derived Waste (IDW) that required appropriate management procedures. The various IDW included drill cuttings, ground water, drill rig decontamination fluids, sediments, and personnel protective equipment (PPE). The handling procedures for the IDW are discussed below.

3.12.1. Soil

Soil derived from the overburden drilling was placed in labeled 55-gallon steel drums. In accordance with the NYSDEC-approved RI/FS Work Plan, O'Brien & Gere arranged for the off-site disposal of the drill cuttings at a permitted facility. The soil drums were temporarily staged at the site until pickup by Op Tech Environmental Services.

3.12.2. Ground water

Ground water produced during development and sampling activities was containerized in labeled 55-gallon steel drums. Based on the analytical results, O'Brien & Gere arranged for the final disposal of the ground water in accordance with the NYSDEC-approved RI/FS Work Plan. The ground water drums were temporarily staged at the site until pickup by Op Tech Environmental Services.

3.12.3. PPE and associated debris

In accordance with the NYSDEC-approved RI/FS Work Plan, used PPE and other general refuse were place in trash bags and disposed of in appropriate waste receptacles for disposal.

4. Geologic conditions

4.1. Regional geology

4.1.1. Physiographic setting

The City of Schenectady, including the former Dambrose Cleaners site, is located in the Hudson-Mohawk Lowland physiographic province of New York State (Van Diver, 1985).

The Hudson-Mohawk Lowlands stretch north and east from the Helderberg escarpment to the Taconic Mountains on the east and the Adirondacks on the north. Elevations rise gently westward from approximately 200 feet at Albany to 300 to 400 feet in the City of Schenectady.

4.1.2. Glacial history

During the Mesozoic and Cenozoic eras, the region was subjected to a long period of erosion, which lasted until the advance of the Pleistocene ice sheet. Prior to the glacial ice advance, there was an existing drainage network consisting of streams eroded into the shale bedrock that formed deep valleys. The advance of the ice sheet modified this existing drainage network.

During the Pleistocene Epoch (*i.e.*, 1.8 million years ago to 10,000 years ago), New York State experienced four major glacial events. However, each glacial readvance destroyed, to a large degree, the geologic evidence of the previous glaciation. The ice cap that affected New York and the rest of the northeast, the Laurentide, originated in the Laurentian Mountain area of Quebec and in the uplands of eastern Quebec and Labrador. The first advance is believed to have been initiated about one million years ago; the final retreat of the Laurentide ice sheet from the region did not occur until about 10,000 years ago during the Late Wisconsin Stage of the Pleistocene Epoch. During the height of the Late Wisconsin glaciation (approximately 20,000 years ago), a continental ice sheet covered the majority of New York State (Garver and Smith, 1995). One of the larger tongues of the Pleistocene ice sheet moved down the Champlain-Hudson trough, depositing glacial debris that now covers most of the county.

4.1.3. Bedrock stratigraphy

The Site overlies the upper Middle Ordovician Schenectady Formation. The Schenectady Formation consists of black and gray argillaceous (clayey) shale interbedded with greywacke (clayey sandstone) and sandstones of variable texture. The Schenectady Formation alternating deposits of clays and sands were derived from marine sediments deposited in deep Middle Ordovician seas. Crustal deformation during the Taconic and Appalachian orogenies have faulted and folded the Schenectady Formation rocks. The folding gradually dies out toward the west and disappears near a thrust fault (low angle reverse fault) which marks the boundary between the Snake Hill and Schenectady Formations (Ruggiero et al. 2000).

4.2. Site geology

4.2.1. Unconsolidated deposits

With the exception of fill, unconsolidated deposits of glacial origin overlie the bedrock throughout most of the Site. The Site's unconsolidated deposits consist of fill material, glaciolacustrine deposits, and till. Based on the soil borings, the total thickness of the unconsolidated deposits ranges from 11 to 16 feet.

The discontinuous cultural fill layer observed throughout the majority of the site predominantly consists of brown silt, sand and gravel mixed with varying amounts of brick, cobbles, cinders, and coal. The fill material ranged in thickness from 2.8 to 6.5 feet. The fill materials are underlain by a mottled, brown-gray glaciolacustrine unit, generally consisting of silt and clay fining downward to silty clay. A discontinuous layer of weathered till was observed underneath the glaciolacustrine deposits.

In soil borings MW-6, MW-7, MW-9, MW-10 and MW-11, weathered shale fragments were observed at depths ranging from 11 to 16 feet below ground surface. Drilling refusal was observed at soil borings MW-6, MW-10 and MW-11, which is assumed to represent the top of the shale bedrock.

Two geologic cross-sections have been prepared to illustrate the relationship between the unconsolidated glacial deposits and the underlying bedrock. The location and orientation of the cross-sections are shown on Figure 4-1. Figure 4-2 illustrates cross-section (A-A') starting at well pair MW-8, located on the east side of Carrie Street, extending east through MW-1 and MW-3 (projected). Figure 4-3 shows cross-section (B-B') starting at Nott Street, running northward to monitoring well MW-7 located just south of Hattie Street.

4.2.2. Bedrock

The bedrock immediately underlying the unconsolidated deposits near the Site consists of the upper Middle Ordovician Schenectady Formation,

consisting of an approximately 1 kilometer thick sequence of medium- to thick-bedded greywacke turbidites alternating with marine shales and sandstones. A thick section of Paleozoic sedimentary rocks, including carbonates, underlies the Schenectady Formation (Gara, 1999).

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5. Hydrogeologic conditions

5.1. Hydraulic properties

The primary ground water unit at the site is an unconfined aquifer located within the unconsolidated fill and the glaciolacustrine unit, extending downward to the interface between the glaciolacustrine unit and the gray silty clay or till of lower permeability. Monitoring wells at the Site are screened across both the unconsolidated fill and the underlying glaciolacustrine unit, where present, with the exception of MW-4. MW-4 is screened only in the unconsolidated fill; based on historical soil boring logs the lower portion of the screen in MW-4 may have collapsed.

The results of the hydraulic conductivity testing ranged from 2.81×10^{-4} cm/sec (0.80 ft/day) in well MW-7 to 1.60×10^{-2} cm/sec (45.41 ft/day) in MW-2. The geometric mean hydraulic conductivity estimate is 3.05×10^{-3} cm/sec, or 8.64 ft/day. These estimates of hydraulic conductivity are relatively high for glaciolacustrine material, however, the bulk properties of the overburden are influenced by the highly permeable weathered material overlying bedrock. Table 3-6 summarizes the hydraulic conductivity estimates based on the falling and rising head slug testing.

5.2. Ground water flow

Ground water elevation measurements were obtained from Site monitoring wells on December 15, 2004 and February 2, 2005. As shown on Figures 5-1 and 5-2, ground water flow is generally to the west.

Based on the December 15, 2004 water level measurements, the rate of ground water flow or average linear velocity, within the unconsolidated unit ranged from 0.96 to 1.3 feet/day.

These velocities are based on Darcy's Law, modified to account for porosity as follows:

$$v = Ki/n$$

Where v is velocity (feet/day), K is hydraulic conductivity of the unconsolidated unit wells (8.64 feet/day), i is the average hydraulic gradient 0.039, and n is effective porosity (25 to 35% assumed).

Based on the February 2, 2005 water level measurements, ground water flow with in the overburden unit ranged from 0.82 to 1.1 feet/day. These velocities are based on a hydraulic conductivity of 8.64 feet/day, an estimated effective porosity of 25 to 35%, and an average hydraulic gradient of 0.033.

6. Nature and extent of constituents in ground water

6.1. General

The analytical results for ground water samples collected during the former Dambrose Cleaners Site RI are discussed below. Discussions of the analytical data are based on samples obtained during the preliminary screening program, as well as the subsequent ground water sampling event. As described in Sections 3.5 and 3.6, ground water samples were obtained from temporary well points and permanent monitoring wells.

On September 23-24, 2004, sixteen ground water samples and one sump water sample were obtained during the preliminary screening program. Analytical results of the ground water screening above the reporting limits are listed in Table 6-1. Ground water samples were also collected from the eleven permanent monitoring wells on December 16 and 24, 2004. The results of the monitoring well sampling above the reporting limits are listed in Table 6-2.

This section presents the distribution of the constituent concentrations in ground water at the Site, as well as a comparison of detected concentrations to NYSDEC Class GA ground water standards (hereafter referred to as "ground water standards"). The discussion presented below regarding VOCs in ground water focuses on the five primary COCs detected at the Site, *i.e.*, PCE and those VOCs derived from the reductive dechlorination of PCE, which consist of TCE, *cis*-1,2-DCE, *trans*-1,2-DCE, and vinyl chloride.

The ground water standards for the COCs are as follows:

Tetrachloroethene	(PCE)	5 µg/L
Trichloroethene	(TCE)	5 µg/L
cis-1,2-Dichloroethene	(*cis*-1,2-DCE)	5 µg/L
trans-1,2-DCE	(*trans*-1,2-DCE)	5 µg/L
Vinyl chloride	(VC)	2 µg/L

Laboratory reporting forms from the ground water quality analyses are provided in Appendix E for the ground water screening and in Appendix F for the monitoring well sampling.

6.2. Distribution of constituents in ground water

6.2.1. Volatile organic compounds

This section describes the VOCs detected at concentrations above standards in ground water found in the unconsolidated sediments at the Site. The laboratory data sheets are included in Appendices I and J. The analytical results of the December 2004 sampling event are shown for each of the ground water screening points and monitoring wells on Figure 6-1.

As shown on Table 6-1, COCs were detected above the ground water standards at two of the sixteen ground water screening locations. *Cis*-1,2-DCE was detected in GWS-8 at a concentration of 5 µg/L. GWS-10 contained concentrations of PCE (7 µg/L), TCE (5 µg/L), and *cis*-1,2-DCE (13 µg/L). GWS-10 is located downgradient of the Site, in the westerly direction of ground water flow. GWS-13 contained PCE at 0.5 µg/L, below the PQL.

The basement sump sample contained several COCs at concentrations well above ground water standards: PCE (79 µg/L), TCE (26 µg/L), *cis*-1,2 DCE (800 µg/L), and VC (97 µg/L).

COCs were detected in five of the eleven permanent monitoring wells (*i.e.*, MW-1, MW-2, MW-4, MW-6 and MW-7). MW-1, located off the southwest corner of the building contained concentrations of *cis*-1,2 DCE (45 µg/L), and VC (110 µg/L) above ground water standards. Concentrations of PCE (640 µg/L), TCE (54 µg/L), and *cis*-1,2 DCE (56 µg/L) were detected above the ground water standard in MW-2.

Several COCs were also detected at downgradient monitoring wells, MW-4, MW-6 and MW-7. *Cis*-1,2 DCE was detected above the ground water standard in all three locations, at concentrations ranging from 5 µg/L at MW-7 to 70 µg/L at MW-6. PCE above the ground water standard was detected in MW-6 (5 µg/L) and MW-4 (10 µg/L). TCE was detected above the ground water standard in MW-6 at a concentration of 6 µg/L. VC was detected above the ground water standard in MW-7 (5 µg/L) and MW-4 (9 µg/L).

Samples from the downgradient monitoring wells had lower concentrations of PCE, but relatively higher concentrations of degradation products. The sample from MW-2 contained PCE, TCE, and *cis*-1,2 DCE, but no VC above the reporting limit. Samples from monitoring wells MW-4, MW-6, and MW-7, located downgradient of the Site, contained lower concentrations of PCE, but relatively higher concentrations of degradation products compared to MW-2.

Several other VOCs were detected at concentrations below the practical quantitation limit (PQL) of 5 µg/L. Methyl tertiary butyl ether was detected in ground water screening point GWS-2 at a concentration of 2 µg/L; a guidance value of 10 µg/L has been established for this compound. The basement sump sample contained 0.9 µg/L of 1,1-Dichloroethene, GWS-13 contained toluene at 0.5 µg/L, chloroethane was detected in MW-7 at a concentration of 0.7 µg/L; the principal organic contaminant standard for groundwater of 5 µg/L is applicable to these compounds.

Ground water concentrations of PCE and related degradation compounds are at a maximum immediately downgradient of the Dambrose building in MW-2 and are present at elevated concentrations in basement sump water. The contaminant plume is roughly coincident with the direction of ground water flow to the west, and may be influenced by the configuration of the underlying strata, including an erosional or depositional feature shown on the N-S cross-section (Figure 4-3). PCE concentration generally decreases downgradient as the concentration of TCE and *cis*-1,2 DCE increases. MW-7 is likely located near the periphery of the contaminant plume. The lack of detection of PCE in MW-1, together with the elevated concentration of VC, may indicate that MW-1 is located out of the PCE plume, but that VC has diffused from a nearby source.

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7. Nature and extent of constituents in sub-slab soil

7.1 General

The results of the sub-slab soil quality analyses are presented in Table 7-1. Laboratory reporting forms from the subsurface soil quality analyses are provided in Appendix G.

The remainder of this section discusses the distribution of the constituent concentrations in sub-slab soil, as well as a comparison of detected concentrations to the recommended soil cleanup objectives found in NYSDEC Technical Assistance Guidance Memorandum (TAGM) #4046. Recommended soil cleanup objectives for the COCs are as follows:

PCE	1400 µg/kg
TCE	700 µg/kg
cis-1,2-DCE	200 µg/kg
trans-1,2-DCE	300 µg/kg
Vinyl chloride	120 µg/kg

7.2. Distribution of constituents in sub-slab soils

7.2.1. Volatile organic compounds

As discussed in Section 3.10.7, three soil samples were collected from beneath the basement floor of the former Dambrose Cleaners building.

The detected concentration of PCE in the three sub-slab soil samples collected on December 2, 2004 ranged from 220 µg/kg to 11000 µg/kg. TCE and *cis*-1,2-DCE were also detected in these samples at much lower levels. TCE was found at a maximum detected concentration of 130 µg/kg in SS-3 and at 28 µg/kg in SS-2. The maximum concentration of *cis*-1,2-DCE was 80 µg/kg in SS-3, with the other detection of 12 µg/kg in SS-2.

Although the three sub-slab soil samples each contain detectable concentrations of PCE, TCE, and/or *cis*-1,2-DCE, only SS-3 exceeds the recommended soil cleanup objective for PCE at a concentration of 11000 µg/kg. Sample SS-3 was collected from below the slab in the area under the basement staircase.

For VOCs, there is a high degree of uncertainty related to deriving bulk-soil to soil-vapor equilibrium partitioning rates, sampling protocols, and

soil analyses (USEPA OSWER 2002a). That is, soil vapor concentrations of VOCs could be present without detection of VOCs in bulk soil. Therefore, bulk-soil guidance values protective of indoor air, which are based on assumed partitioning coefficients for bulk-soil concentrations, are not provided.

8. Vapor intrusion pathway evaluation

8.1. General

Indoor air quality can be influenced by vapor intrusion of VOCs from subsurface sources and by ambient sources of VOCs. Therefore, measured Site data were evaluated and interpreted according to individual environmental media sampled and overall. A weight-of-the evidence, or multiple lines of evidence, approach was used to develop an overall conceptual site model and an overall vapor intrusion pathway evaluation (VIPE). PCE was the primary site-related constituent detected in air. TCE and other PCE related degradation products were also detected.

The indoor air, sub-slab soil vapor, and background air analytical data collected in the first phase of the RI are included as Appendix H. The off-site soil vapor, garment-associated air sample, and exterior background (ambient) air sample collected during the second phase are included as Appendix I. Off-site indoor air, sub-slab soil vapor, and background air analytical data collected at 1523 Van Vranken Avenue and 1526 Carrie Street are included as Appendix J.

For the VIPE, measured Site data were correlated among environmental media and compared to standards, criteria, and guidance values (SCGs) in several tables. Specifically, the following tables are included to interpret the results of data related to the VIPE.

- Table 8-1. *Soil Vapor and Indoor Air - Empirical Attenuation Factors and Screening for On-Site Building Exposures*
- Table 8-2. *Ground Water and Soil Vapor - Empirical Attenuation Factors and Soil Vapor Migration Screening for Off-Site Building Exposures*
- Table 8-3. *Overall On-Site Indoor Air and Ambient Air Results Comparisons*
- Table 8-4. *Basement Results Comparison - Sump, Soil, Soil Vapor, and Air*

In addition, Figure 8-1 illustrates the correlation between ground water and soil vapor VOC concentrations.

8.2. Distribution of constituents by environmental media

8.2.1. Indoor air

Indoor air PCE concentrations detected in the former Dambrose Cleaners building ranged from 64 µg/m^3 to 360 µg/m^3. The highest concentrations of PCE in indoor air were detected in the first floor drop-off area while the lowest concentrations were in the basement. PCE concentrations were 120 µg/m^3 and 130 µg/m^3 in the front and rear apartments, respectively.

TCE and *cis*-1,2-DCE were detected at low levels in the front apartment (0.93 µg/m^3 and 0.73 µg/m^3, respectively), as was *cis*-1,2-DCE in the basement (0.64 µg/m^3).

The upper quartile (75th percentile) concentrations for target VOCs, derived from a background study of fuel oil heated homes by NYSDOH (2005), are listed below for comparison to the measured indoor air levels of target VOCs:

PCE	1.2 µg/m^3
TCE	<0.25 µg/m^3
cis-1,2-DCE	<0.25 µg/m^3

The results of the indoor air sampling are listed in Table 8-1.

8.2.2. Sub-slab vapor

One soil vapor sample was collected from beneath the basement slab. The detected concentration of PCE was 1,200,000 µg/m^3, that of TCE was 13,000 µg/m^3, and *cis*-1,2-DCE was detected at 7,400 µg/m^3.

Health-based values protective of indoor air exposure for target VOCs in shallow soil vapor at the 10^{-6} risk level (USEPA 2002b) are listed below for comparison to the detected vapor concentrations.

PCE	8.1 µg/m^3
cis-1,2-DCE	350 µg/m^3

The 10^{-6} risk level indicates a theoretical one in 1,000,000 probability of an individual developing cancer over a lifetime when exposed to those concentrations.

The results of the sub-slab soil vapor sampling are listed in Table 8-1

8.2.3. Exterior soil vapor

The detected concentrations of PCE in exterior soil vapor samples ranged from 0.97 µg/m^3 at SG-7 to 38000 µg/m^3 at SG-2. PCE was detected in all soil vapor samples except SG-11.

TCE was detected in all soil vapor samples. The detected concentrations of TCE in soil vapor samples ranged from 1 $\mu g/m^3$ at SG-7 to 2400 $\mu g/m^3$ at SG-2.

Cis-1,2-DCE was detected in SG-5 and SG-6 at 1.8 $\mu g/m^3$ in both samples.

Health-based values for these target VOCs in shallow soil vapor (USEPA OSWER Guidance 2002a - Table 2c, 10^{-6} Risk), which are protective of indoor air exposure, are listed below for comparison to the exterior soil vapor concentrations.

PCE	8.1 $\mu g/m^3$
TCE	0.22 $\mu g/m^3$
cis-1,2-DCE	350 $\mu g/m^3$

The analytical results of the off-site soil vapor sampling are included in Table 8-2.

8.2.4. Ambient air

The analytical results for September 23, 2004 indicate that ambient (outdoor) levels were 120 $\mu g/m^3$ for PCE and 1.1 $\mu g/m^3$ for TCE. These levels are higher than expected and were nearly equivalent to levels in the Dambrose building apartments. Therefore, sampling conditions were assessed to identify possible sources of the relatively high background levels and confirmatory samples were collected on December 2, 2004.

The ambient sample of September 23, 2004 was collected in the rear of the building. The sampling apparatus was hung from a clothesline post, which was directly below and in close proximity to a large (approximately 24-inch diameter) box elder tree. The tree was located within 20 feet of MW-2, in an area where high levels of site-related constituents were historically detected in ground water.

There is evidence that plants can take up many VOCs, including TCE and PCE, as they transpire water to move nutrients from soil. These compounds are then sequestered, metabolized, or vaporized out of the leaves along with the transpired water. Water uptake varies among tree species, *e.g.*, a single willow tree can transpire more than 19,000 liters (5,000 gallons) of water on a hot summer day (Hinchman et al., 1998).

The confirmatory background sample was collected after the leaves had fallen, and from the south side of the building about 50 feet from the box elder tree. The confirmatory sampling results indicated lower background levels; PCE was not detected and TCE was detected at 0.82 $\mu g/m^3$. These seasonally influenced results are similar to the NYSDOH results for ambient air samples collected in 1999. Samples of ambient air collected by NYSDOH on November 10, 1999, a time of year after the tree leaves had fallen and trees were likely dormant, resulted in detection of PCE at 16 $\mu g/m^3$. However, an ambient sample collected in March 8,

1999, resulted in detection of PCE at 540 µg/m^3. Dry cleaning operations had not yet ceased at the site and VOC emissions were potentially present during sampling, which could have influenced the sampling results.

The upper quartile (75th percentile) outdoor concentrations of target VOCs, which were derived from a background study of fuel oil heated homes by NYSDOH (2005), are listed below for comparison to the measured ambient air levels of target VOCs.

PCE	0.34 µg/m^3
TCE	<0.25 µg/m^3
cis-1,2-DCE	<0.25 µg/m^3

The results of the ambient air sampling are listed in Table 8-3.

8.2.5. Dry-cleaned garments

One air sample was collected to evaluate the potential for target VOCs to off-gas from freshly dry-cleaned garments in the drop-off area. The detected concentrations of PCE and TCE for the garment sample were 16,000 µg/m^3 and 4.4 µg/m^3, respectively. Applicable SCGs are not available for comparison to these garment off-gassing data. The analytical results of the garment-associated air sample are included in Table 8-3.

8.2.6. Basement sump water

Target VOCs were detected in a sample of basement sump water as follows: PCE at 79 µg/L, TCE at 25 µg/L, *cis*-1,2-DCE at 800 µg/L, and vinyl chloride at 97 µg/L.

SCGs for indoor air exposures via direct volatilization of VOCs from ground water discharge are not available for comparison to these data. However, guidance values for these target VOCs at the ground water table (USEPA OSWER Guidance 2002a - Table 2c) are listed below for comparison to the sump water concentrations:

PCE	5 µg/L
TCE	5 µg/L
cis-1,2-DCE	200 µg/L
Vinyl chloride	2 µg/L

It should be noted that the values for PCE, TCE, and vinyl chloride are equivalent to the respective USEPA Maximum Contaminant Levels (MCL). Table 8-4 shows the derived Henry's Law equilibrium concentration in air for a qualitative evaluation of target VOCs detected in sump water.

8.2.7. Ground water and on-site sub-slab soil

The nature and extent of constituents in ground water and on-site sub-slab soil are discussed in Sections 6 and 7, respectively.

8.3. Vapor intrusion pathway evaluation

8.3.1. On-site building data evaluation

An overall evaluation of the on-site sampling results and observations during sampling indicate that there may be several sources contributing to the indoor air quality in the former Dambrose Cleaners building. Based on the assessment, potential sources of target VOCs in air could include:

- Subsurface vapor intrusion,
- Direct volatilization via ground water (sump) discharge in the basement,
- Off-gassing from dry-cleaned garments on the first floor, and
- Outdoor air.

These observations are specifically discussed in the following paragraphs.

8.3.1.1. Subsurface vapor intrusion

Target VOCs were detected at levels exceeding USEPA OSWER (2002a) risk-based screening values for shallow soil vapor protective of indoor air, as shown in Table 8-1. The NYSDOH Indoor Air/ Soil Vapor decision matrix (NYSDOH, 2005a) calls for the mitigation of sub-slab vapors as the PCE concentrations present indicate the likelihood of subsurface vapor intrusion to indoor air.

However, attenuation from sub-slab vapor to indoor air in the basement appears to be significant. Specifically, the conservative USEPA default for sub-slab to indoor air attenuation factor is 10^{-1} to 10^{-2}. Table 8-1 includes a tabular evaluation of the measured indoor air and sub-slab data. Based on measured sub-slab vapor concentrations and measured basement indoor air concentrations, the site-specific attenuation factors (alphas) for PCE and *cis*-1,2-DCE are about 10^{-5}. The alphas are lower, which indicates greater attenuation, than the USEPA default screening value.

Further, the empirical attenuation factors for *cis*-1,2-DCE and PCE from sub-slab vapor to basement indoor air are uniform, as would be expected. However, PCE attenuation from sub-slab vapor to indoor air for the drop-off area and apartments indicate that attenuation is less than observed for the basement. That is, measured PCE concentrations are lowest in the basement. These variations in empirical attenuation and concentrations suggest an alternate source of PCE vapors could be

present in the building. Potential alternate sources of target VOCs are discussed in the following sections.

8.3.1.2. Direct volatilization

Although the area of the basement walls observed leaking and the open sump has a relatively small area (less than 10 square feet), target VOCs could be contributed to indoor air via direct volatilization from water. Table 8-4 shows the maximum concentration in air (directly above water in a closed system) based on the measured VOC concentration in the sump water and Henry's Law equilibrium. The estimated concentrations of 26,544 µg/m^3 of PCE; 5,356 µg/m^3 of TCE; 70,160 µg/m^3 of *cis*-1,2-DCE; and 71877 µg/m^3 of VC are far in excess of measured concentrations in basement air.

8.3.1.3. Dry-cleaned garments

A sample of air from within the plastic bag covering a freshly dry-cleaned woolen coat was collected in a manner similar that used for the collection of indoor air. The sampling results for the garment (16,000 µg/m^3 PCE and 4.4 µg/m^3 TCE) indicated that dry-cleaned garments could be a source of PCE and TCE in indoor air. The highest concentration of PCE in indoor air (360 µg/m^3) was detected on the first floor, which is where the dry-cleaning drop-off area is located. TCE was not detected in this area. However, the lowest indoor air concentration of PCE was detected in the basement (64 µg/m^3), which is directly above the sub-slab source (1,200,000 µg/m^3). Similarly, TCE was not detected in basement air, yet was detected at 13,000 µg/m^3 in the sub-slab. The building does not have a central air-duct system installed, which might readily equilibrate indoor air concentrations within the building. Therefore, based on these observations, it is likely that dry-cleaned garments are contributing measurable levels of PCE and TCE to the indoor air of the upper floors.

8.3.1.4. Outdoor air

In the September 23, 2004 sampling event, PCE levels in outdoor air and the apartments were nearly equivalent. TCE was detected in outdoor air at 1.1 µg/m^3, and in the front (2nd floor) apartment at 0.93 µg/m^3. Subsequent confirmatory outdoor air samples collected on December 2, 2004 resulted in a detected PCE concentration of 1.2 µg/m^3 and TCE concentration of 0.82 µg/m^3.

Based on these observations, the detected PCE and TCE levels in indoor air could include a contribution from periodically high levels in outdoor air. This seasonal variation in ambient air sampling results is similar to the NYSDOH sampling results for ambient air collected in March and November of 1999 (see Section 8.2.4).

8.3.1.5. Standards criteria, and guidance values

Table 8-1 compares measured sub-slab and indoor air concentrations of detected constituents to SCGs. The SCGs used for comparison are:

- *Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from Fuel Oil Heated Homes in NYS, 1997-2003* (NYSDOH, 2005c)
- OSWER (2002a) Table 2c for shallow soil vapor protective of indoor air exposures at a 10^{-6} cancer risk level (for detected sub-slab concentrations).
- NYSDOH Decision Matrices (NYSDOH, 2005a,b)

Table 8-1 presents the evaluation of detected sub-slab and indoor air concentrations for TCE and PCE according to the NYSDOH Soil Vapor/Indoor Air Matrices for PCE and TCE. Application of the respective matrices indicate*s* that, on the basis of TCE concentrations, no further action is appropriate. Indoor air/sub-slab concentrations of PCE indicate mitigation is appropriate. Although freshly dry-cleaned garments could be contributing to the concentration of PCE in building indoor air, the NYSDOH matrix for PCE indicates mitigation is appropriate based on sub-slab concentrations alone. The most common method of sub-slab mitigation, *i.e.*, depressurization and venting, will not address the contribution to indoor air levels of PCE resulting from dry-cleaned garments.

8.3.2. Exterior data evaluation

An overall evaluation of the exterior soil vapor and ground water sampling results indicate that there is a potential for migration of VOCs in on-site and off-site ground water to soil vapor and subsequent migration to indoor air. In addition, there is a potential that concentrations of target VOCs contained in bulk soil or contained in a discrete vapor plume exists near the on-site building. These observations are specifically discussed in the following paragraphs.

Soil vapor samples were generally co-located with ground water monitoring well samples. In addition, soil vapor samples were collected contemporaneously with the December 2004 ground water samples so that empirical attenuation factors for ground water to soil vapor could be developed and evaluated. Table 8-2 includes the derived attenuation factors, which are based on measured concentrations, for ground water to exterior soil vapor.

An evaluation of the attenuation factors indicates that the alphas were higher near the former Dambrose Cleaners building (source) than downgradient in the surrounding neighborhood. The higher alphas indicate less attenuation near the on-site building, *i.e.*, the difference between ground water levels and soil vapor levels were less near the source than downgradient.

Soil vapor levels generally correlated with ground water contaminant concentrations. Elevated levels of PCE and degradation products were present in both soil vapor and ground water in the basement sump water and MW-2/SG-2. The elevated PCE soil vapor concentration in SG-1 and SG-3, compared to the lack of detection in ground water in MW-1 and MW-3, could be the result of vapor entrapment as the subject property is entirely covered by pavement surrounding the building. Relatively low ground water concentrations in downgradient sampling locations (MW-6 and MW-7) were correlated to low soil vapor concentrations in SG-6 and SG-7. No constituents were detected in ground water at MW-5, MW-8, MW-9, and MW-10; soil vapor concentrations were correspondingly low, with a maximum of 13 $\mu g/m^3$ of PCE and 1.9 $\mu g/m^3$ of TCE in sample SG-8. Ground water in the cross-gradient well MW-11 contained no constituents of concern above method detection limits; only TCE was present in soil vapor at a concentration of 0.87 $\mu g/m^3$ in SG-11.

There could be several reasons for the relatively higher soil vapor levels near the source area. For example, there could be 1) variability in the subsurface conditions and, therefore, transport processes, 2) VOC concentrations in bulk soil that are contributing to the overall soil vapor concentration, or 3) a vapor plume, independent of ground water transport processes, could be present near the source area.

Health-based values for the target VOCs in shallow soil vapor (USEPA OSWER Guidance 2002a - Table 2c, 10^{-06} Risk), which are protective of indoor air exposure, are listed in Table 8-2. Table 8-2 includes a comparison of the USEPA (2002a) guidance values for each soil vapor sample location. The results of the tabular comparison indicate that the PCE concentration exceeded guidance values at SG-1, SG-2, SG-3, and SG-8, while TCE concentrations exceeded the values at all locations where exterior soil vapor was sampled.

8.3.3. Off-Site Home Evaluation

Subsequent to the 2004 field investigation, samples were collected in March 2005 from two representative homes to evaluate potential vapor intrusion impacts in the residential area downgradient of the Site. The first structure was an occupied, three-family home located at 1523 Van Vranken Avenue. The other was located at 1526 Carrie Street, and is considered a two-family home; however, it is occupied by only one family. The house at 1523 Van Vranken Avenue had a dirt floor basement, or possibly a highly degraded masonry floor, while the basement floor at 1526 Carrie Street was constructed of concrete, and appeared to be in good condition.

Indoor air samples were collected from the first floor and basement areas of each home. Indoor air samples were collected from the two first-floor apartments at 1523 Van Vranken Avenue, while at 1526 Carrie Street a single indoor air sample was collected from near the center of the first floor. The indoor air samples were collected from the breathing zone for

a 24-hour duration in one-liter stainless steel, pre-evacuated canisters. In addition, a sub-slab soil vapor sample was collected at 1526 Carrie Street according to the method described in Section 3.10.2, and a basement sump water sample was collected according to the method described in Section 3.10.6. Further ambient air samples were collected from the corner of Van Vranken Avenue and Hattie Streets, and from the front porch of 1526 Carrie Street.

Prior to air sampling, *Appendix B Indoor air quality questionnaire and building inventory* of the NYSDOH Soil Vapor Intrusion Guidance (2005d) was completed for the basement and first floor of each home (Appendix C). As discussed in the guidance, products in buildings must be inventoried every time indoor air is sampled to provide an accurate assessment of the potential contribution of volatile chemicals. In addition, the type of structure, floor layout and physical conditions of the building being studied must be noted to identify (and minimize) conditions that may interfere with the proposed testing.

Samples from the apartment building at 1523 Van Vranken Avenue contained PCE at 20 $\mu g/m^3$ in basement air, and 7.2 $\mu g/m^3$ and 4.6 $\mu g/m^3$ in first floor air. TCE was detected at a concentration of 0.93 $\mu g/m^3$ in basement air and was not detected in first floor air. The structure is approximately 25-35 feet cross-gradient from MW-2/SG-2, where PCE was detected at 38000 $\mu g/m^3$ in soil vapor. The dirt floor basement of this structure would presumably allow for direct volatilization to basement air.

Samples from 1526 Carrie Street, approximately 200 feet downgradient from the Site, contained PCE in the basement sub-slab sample at a concentration of 0.97 $\mu g/m^3$ and TCE at 1.3 $\mu g/m^3$. No VOCs were present above detection limits in the basement sump water sample. PCE and TCE were not detected in basement air above detection limits, and PCE was detected at a concentration of 2.6 $\mu g/m^3$ in first floor air. The relatively low concentrations of detected constituents are consistent with results from downgradient soil vapor sampling points surrounding the property.

The ambient air samples contained no detectable concentrations of site-related constituents of concern.

Several other VOC constituents, *i.e.*, petroleum related compounds, were detected at low levels relative to SCGs in the indoor air samples; however, most are comparable to the ambient air concentrations. The results of the laboratory analyses are contained in Appendix J.

Comparison of the detected concentration of PCE in basement air at 1523 Van Vranken Avenue to the appropriate decision matrix directs that, at a minimum, reasonable and practical actions should be taken to identify source(s) and reduce exposures. No sub-slab sample was collected because the dirt floor basement of this structure would presumably allow for direct volatilization to basement air. The elevated

soil vapor concentrations in nearby sampling point SG-2 indicates the potential for sub-slab accumulation of VOCs in soil vapor at this property, and further sampling may indicate a need for monitoring or mitigation.

The relatively low concentrations of detected constituents in sub-slab, basement, and indoor air samples from 1526 Carrie Street are consistent with results from downgradient soil vapor sampling points surrounding the property. A comparison of sub-slab and air concentrations to the NYSDOH decision matrices directs that no further action is required at this property.

9. Human health exposure assessment

In addition to the VIPE (Section 8), O'Brien & Gere conducted a qualitative human health exposure evaluation (HHEA) of potential impacts via vapor intrusion and building residuals related to the Dambrose site.

9.1. General

This section presents the results of a qualitative HHEA, which was conducted in accordance with the NYSDEC-approved RI/FS Work Plan. The qualitative HHEA consisted of an assessment of the exposure setting, an exposure pathway analysis, and a fate and transport evaluation for Site-related constituents detected in media at the Site.

The goal of the qualitative HHEA was to complete a conservative assessment to evaluate if complete exposure pathways exist at the Site between Site-related constituents and human receptors. The following documents were used as principal guidance in the preparation of the HHEA:

- *Draft DER-10 Technical Guidance for Site Investigation and Remediation*. (NYSDEC DER December 2002).
- *Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance)*. (USEPA OSWER 2002)
- *Preliminary Remediation Goals* (USEPA Region IX October 2004)
- *Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes - 1997 to 2003* (NYSDOH 2005).
- *Soil Vapor/Indoor Air Matrix 1 (TCE) and 2 (PCE) (*NYSDOH *February 2005)*.
- *Risk Assessment Guidance for Superfund, Volume 1, Human Health Evaluation Manual (Part A) (RAGS) Interim Final*, EPA/540/1089/002 (USEPA 1989).
- *Guidance for Risk Characterization* (USEPA 1995).
- *Guidelines for Exposure Assessment*. (USEPA 1992a.) 57 FR 104, May 29, 1992.

9.2. Methodology

A chemical substance may pose a risk to human health only if receptor populations have the potential to be exposed to the chemical substance in sufficient quantities to affect their health. As such, the HHEA involved

the identification of chemical substances detected at the Site and, the evaluation of potential pathways to receptors.

The risk assessment process was conducted in the following steps:

1. Characterization of exposure setting. The first step in the assessment process was to characterize the Site with respect to its physical characteristics as well as those of the human populations at or near the Site. The output of this step was a qualitative evaluation of the Site and surrounding populations with respect to those characteristics that potentially influence exposure.

2. Constituent fate and transport analysis. The fate and transport analysis applied constituent and Site-specific considerations to evaluate the potential persistence and environmental transport of constituents detected at the Site. The information was used to identify and quantify potential Site-specific current and future human and ecological exposure point concentrations.

3. Exposure assessment. In the exposure assessment, the mechanisms by which human receptors may be exposed to constituents detected at or migrating from the Site were identified, and the concentrations of the constituents to which receptors may be exposed were estimated.

4. Conclusions. The results of the qualitative human health risk assessment based on the current understanding of conditions at the Site were summarized.

9.3. Characterization of exposure setting

The key elements of the Site with respect to the human health considerations are summarized below.

9.3.1. Chemical and physical site characteristics

A brief description of the Site characteristics relevant to the human health risk assessment is presented below. A more detailed description of the characteristics is presented in Sections 4, 5, and 6 of this report.

The former Dambrose Cleaners property is located at 1517 Van Vranken Avenue, in the City of Schenectady, New York; the area included as part of this investigation includes that bounded by Nott Street, Van Vranken Avenue, Hattie Street, and Carrie Street. The approximately 0.11-acre parcel is located in a portion of the city that is primarily non-manufacturing commercial businesses and residential dwellings. The primary dwelling is a two-story wood and masonry building.

The topography of the site and surrounding properties is relatively level, sloping gently to the west-northwest in the direction of the Mohawk River. The grounds of Union College are located across Nott Street to the south.

9.3.1.1. Geology

A brief summary of the Site geology and hydrogeology is presented below. A detailed description of the Site geology and hydrogeology is presented in Sections 4 and 5 of this report.

The site is located in the Hudson-Mohawk Lowland physiographic province of New York State. The site geology from surface to bedrock in the vicinity of the Dambrose Cleaners site may be characterized as follows:

- Discontinuous cultural fill layer consisting of coarse sand, clay, and gravel
- Mottled brown-gray glaciolacustrine layer of silty sand and gravel
- Weathered glacial till unit of brown-gray silt and clay with medium to fine sand and gravel.
- Shale bedrock at 14.5 to 15.0 feet below grade.

With the exception of fill, unconsolidated deposits of glacial origin overlie the bedrock throughout most of the Site. Three types of unconsolidated deposits have been identified, including cultural fill material, glaciolacustrine deposits, and glacial till. The unconsolidated deposits are underlain by the Middle Ordovician Schenectady Formation. The Schenectady Formation consists of black and gray argillaceous (clayey) shale interbedded with greywacke (clayey sandstone) and sandstones of variable texture.

9.3.1.2. Hydrogeology

The primary ground water unit at the site is an unconfined aquifer located within the unconsolidated fill and the glaciolacustrine unit, extending downward to the interface between the glaciolacustrine unit and the gray silty clay or till of lower permeability. The average hydraulic conductivity estimate for the unconsolidated deposits is 3.05×10^{-3} cm/sec. Ground water elevation measurements were obtained from Site monitoring wells on December 15, 2004 and February 2, 2005; potentiometric surface mapping shows ground water flow within the unconsolidated deposits to be generally to the west.

9.3.1.3. Nature and extent of site-related chemical compounds

A detailed description of the nature and extent of Site-related compounds relevant to the human health risk assessment is presented in Sections 6 through 8 of this report. Tables 6-1 through 8-1 present a summary of

constituents detected in indoor and ambient air, soil vapor, subsurface soil, and ground water at the Site during sampling events conducted in 2004.

Based on the land uses and related exposure scenarios expected to occur across the Site, for the purpose of the HHEA the Site will be addressed as a single area.

9.4. Constituent fate and transport

In this section, the potential for constituents to migrate from the source areas at the Site to receptors is evaluated, including a description of potential chemical migration pathways. The section is presented in two parts. First, a brief review of the general environmental fate of the selected constituents in soil and aquatic systems is reviewed and discussed. Following that, the general information is applied to Site-specific considerations to evaluate the potential environmental fate at the Site.

9.4.1. Constituent-specific considerations

The physical and chemical properties of a compound will influence the environmental fate and transport of that substance. Once released to the environment, constituents may migrate via several means (*i.e.*, volatilization, leaching, runoff, and food chain bioaccumulation). The physical and chemical properties of a constituent that influence how it will migrate in the environment include water solubility, volatility, persistence and partitioning. Each of these considerations is briefly discussed below for the Site-related constituents.

9.4.1.1. VOCs

VOCs in the environment tend to be moderately mobile and persistent depending on the chemical/physical characteristics of the individual compound and environmental conditions. For example, most VOCs are not very persistent and bioaccumulative, but chlorinated VOCs such as those associated with historical disposal practices at the Site exhibit greater stability and therefore exhibit moderate environmental persistence and potential to bioaccumulate.

PCE, TCE, 1,2-DCE and VC, also have the ability to attenuate naturally. Natural attenuation refers to the physical, chemical, and/or biological processes that act to reduce the mass, toxicity, mobility, volume, or concentration of contaminants in soil and ground water. The physical processes include advection, dispersion, sorption, and volatilization. The biological processes involve the transformation of higher chlorinated organic compounds to less chlorinated organic compounds (daughter products) via reductive dechlorination.

Reductive dechlorination is the most common process by which chlorinated VOCs undergo biodegradation. During reductive dechlorination, the chlorinated organic compound acts as an electron acceptor, and a chlorine atom on the organic compound is removed and replaced with a hydrogen atom, which results in the reduction of the organic compound (USEPA, 1998).

When released to soil, PCE is subject to evaporation into the atmosphere and to leaching into groundwater. PCE is slightly adsorbed on sand and clay minerals; Henry's adsorption coefficients are approximately in proportion to the organic content of the soil samples. Based on the reported and estimated soil sorption coefficients, PCE exhibits low to medium mobility in soil and therefore may leach slowly to the groundwater. If PCE is released to surface water, it is subject to rapid volatilization with estimated half-lives ranging from <1 day to several weeks. When released to the atmosphere, PCE exists mainly in the gas-phase and is subject to photooxidation, with estimates of degradation time scales ranging from an approximate half-life of 2 months to complete degradation in an hour. Sequential dehalogenation by microbes produces TCE, 1,2-DCE, and VC (USEPA, 2005).

The relatively high vapor pressure of TCE, and low adsorption coefficient to a number of soil types, indicates ready transport through soil and low potential for adsorption to sediments, however, under certain conditions, TCE can adhere to particles in soil and therefore remain in the environment for extended periods. TCE evaporates less easily from the soil than from surface water. The high Henry's Law Constant indicates rapid evaporation from water; half-lives of evaporation have been reported to be on the order of several minutes to hours, depending upon the turbulence. Field studies also support rapid evaporation from water (USEPA, 2005).

1,2-DCE is volatile and therefore will evaporate rapidly into air when present in surface soil and/or surface water. Once in the air, it has a half-life of five to 12 days (ATSDR 1997). Because it is relatively long-lived in the atmosphere, considerable dispersal from source areas should occur. 1,2-DCE is soluble in water and mobile in the environment and can therefore move through soil or dissolve in water. Biodegradation, adsorption to sediment, and bioconcentration in aquatic organisms are not significant. If present in ground water, 1,2-DCE can break down in approximately 13 to 48 weeks.

The dehalogenation of 1,2-DCE yields vinyl chloride; VC is highly volatile and therefore evaporates easily into the air. VC in soil is subject to rapid volatilization with reported half-lives of 0.2 and 0.5 days, based on a high vapor pressure of 2,600 mm Hg at 25 degrees C. According to estimated soil sorption coefficients, VC is highly mobile in soil and may readily leach to the groundwater. If released to surface water, VC will rapidly evaporate. In the atmosphere, VC exists mainly in the vapor-phase and degrades rapidly by gas-phase reaction with photochemically

produced hydroxyl radicals with an estimated half-life of 1.5 days (USEPA, 2005).

9.5. Exposure assessment

The next step of the qualitative HHEA is the exposure assessment. A qualitative exposure assessment consists of characterizing the exposure setting (including the physical environment and potentially exposed human populations), identifying exposure pathways, and evaluating contaminant fate and transport. A constituent may pose a risk to human health only if receptor populations have the potential to be exposed to the substance in sufficient quantities to adversely affect the health of exposed individuals. An exposure pathway describes the course a constituent takes from the point of release to the exposed individual. An exposure pathway analysis links the sources, locations, and types of environmental releases with population locations and activity patterns to determine human exposure.

An exposure pathway consists of the following four elements:

- A source and mechanism of chemical release. If the detected constituents are present at concentrations less than background, or no constituents of potential concern are identified, then there is no source of exposure, and therefore the pathway is incomplete.
- A retention or transport medium for the constituent once it has entered the environment.
- A point of potential human contact with the contaminated medium (referred to as the exposure point). If there are no human receptors who may contact Site-related constituents, then the pathway is incomplete.
- An exposure route (*e.g.*, ingestion) at the contact point. The exposure route represents the mechanism by which human receptors may intake COCs. For example, ingestion, dermal contact, and inhalation are potential exposure routes.

A pathway is considered to be complete if all of the conditions listed above are satisfied for that pathway. If one or more of these conditions are not met, there is no physical means by which a receptor may be exposed to the Site-related constituents, and the pathway is classified as incomplete. Incomplete pathways are not considered further in the HHEA.

The exposure pathway analysis includes the following elements:

- *Comparison with Background*: The objective of this section is to identify constituents which occur at levels exceeding background concentrations, and therefore may be attributable to Site sources. Constituents that occur at levels less than or equal to background

may not be related to the Site, and therefore are excluded from further evaluation.

- *Identification of Receptors:* Potential human receptors that may be active at the Site are identified and briefly described.
- *Exposure Pathway Analysis:* An exposure pathway analysis is conducted for each sub-area respectively. The exposure pathway analysis integrates information relating to potential sources, constituents, receptors, and exposure patterns to identify potentially complete and incomplete exposure pathways. Only complete pathways are evaluated further in the HHEA.

9.5.1. Comparison with background

Table 8-3 compares detected VOC concentrations in indoor air with Site-specific ambient outdoor background concentrations and NYSDOH (2005) study of background concentrations in fuel oil heated homes. It is generally recognized that the NYSDOH data represent anthropogenic background levels.

9.5.2. Identification of potential human receptors

The following human receptor populations were identified relative to potential human exposures at the Site:

- Current and future on-Site commercial workers
- Current and future on-Site adult and child residents
- Current and future on-Site visitors
- Future excavation workers
- Current and future residents in the off-site area.

Current Site conditions and land uses at the Site are consistent with the conditions and land uses described in the Work Plan. Potential exposures for each of the receptor populations are summarized in USEPA RAGS D Table format in Appendix K. Potential receptors and pathways are shown in Appendix L - RAGDS D Table 1 and are briefly described in the following sections.

9.5.2.1. Current and future on-site workers, visitors, and residents

Currently, there are an active business and two apartments at the former Dambrose Cleaners site. A business operator is present on the first floor managing the dry cleaning drop-off and performing work as a seamstress. The public regularly visits the site to drop-off and pick-up dry cleaning and tailored clothing. In addition, the two apartments in the building are occupied.

Site-related VOCs have been detected in ground water and indoor air. For ground water exposure, however, ground water at the Site is not currently used since a municipal water supply is available at the Site,

therefore, the pathway is incomplete. For indoor air exposure, PCE, TCE, and *cis*-1,2-DCE were detected in indoor air of the building at levels exceeding NYSDOH (2003) published background levels for fuel oil heated homes (Appendix L - RAGS D Tables 2.1). Although on-site indoor air data are available for health-based screening, on-site soil vapor data are compared to health-based criteria to provide for context within the on-site screening evaluation (Appendix L - RAGS D Tables 2.2). In addition, mitigation is indicated by the NYSDOH *Soil Vapor/Indoor Air Matrix for PCE* (Table 8-1) based on indoor air and sub-slab PCE concentrations.

9.5.2.2. Future excavation workers

VOCs have been detected in on-site and off-site ground water, on-site sub-slab soil, and on-site and off-site soil vapor. Therefore, future excavation workers could be exposed to Site-related constituents in ground water, soil, and soil vapor via direct contact, incidental ingestion, and inhalation of soil vapor released while excavating.

For ground water exposure, the maximum ground water concentration among on-site and off-site sampling results exceeds the USEPA Region IX (October 2004) Tap Water preliminary remediation goals (PRGs) for PCE, TCE, cis-1,2-DCE, and vinyl chloride (Appendix L - RAGS D Table 2.3, 2.4, and 2.5). These goals represent a conservative level of exposure for future excavation workers.

For soil exposure, the maximum sub-slab soil concentration exceeds the USEPA Region IX (October 2004) Industrial Soil PRGs for PCE, TCE, and cis1,2-DCE (Appendix L - RAGS D Table 2.6).

For soil vapor exposure, SCGs are not available for direct volatilization of soil vapor to ambient air exposure.

9.5.2.5. Current and future off-site residents

Currently, residential properties are located in the vicinity of the Site. Site-related VOCs have been detected in off-site ground water and soil vapor. Ground water is not currently used in the vicinity of the Site since a municipal water supply is available, therefore, the pathway is incomplete. However, VOCs in open basement sumps or ground water seeps could migrate to indoor air. In addition, soil vapor could migrate upwards to indoor air. Among off-site locations (sample locations SG-5 through SG-11 are considered to be off-site locations), the maximum soil vapor concentration exceeds USEPA OSWER (2002 – Table 2c for 10^{-06} cancer risk) soil vapor migration to indoor air screening concentrations for PCE and TCE (Appendix L - RAGS D Table 2.7).

9.6. HHEA Conclusions

This HHEA evaluates the potential sources and pathways to human exposure for Site-related constituents. As described in Section 9.5.2, receptor populations and complete exposure routes exist for several human receptor populations. The conclusions of the qualitative HHEA are presented below.

9.6.1. On-Site Receptors – Residents

The former Dambrose Cleaners building is partitioned into the dry cleaning business and two apartments, one upstairs and the other in the rear of the building. Indoor air levels of Site-related constituents in the apartments exceed SCGs (NYSDOH 2003 Fuel Oil Home Study, see Appendix L - RAGS D Table 2.1). Therefore, the exposure pathway for Site-related constituents to current and future residents via vapor migration to indoor air in the on-Site building and subsequent inhalation is considered complete.

9.6.2. On-Site Receptors - Workers

A portion of the former Dambrose Cleaners Site is currently used to house a dry-cleaning drop-off and seamstress business. Exposure related to products used by employees of a business related to dry-cleaning operations would be considered a workplace exposure. Indoor air levels of Site-related constituents in the drop-off area and basement exceed background levels (NYSDOH 2005 Fuel Oil Home Study, see Appendix L - RAGS D Table 2.1). Therefore, the exposure pathway for Site-related constituents to on-site workers via vapor migration to indoor air in the on-Site building and subsequent inhalation is considered complete.

9.6.3. On-Site Receptors – General Public

A portion of the former Dambrose Cleaners Site is currently used to house a dry-cleaning drop-off and seamstress business. Indoor air levels of Site-related constituents in the drop-off area exceed SCGs (NYSDOH 2003 Fuel Oil Home Study see Appendix L - RAGS D Table 2.1). Therefore, the exposure pathway for Site-related constituents to the general public via vapor migration to indoor air in the on-Site building and subsequent inhalation is considered complete.

9.6.4. On-Site and Off-Site Receptors – Excavation Workers

VOCs have been detected in off-site ground water, soil, and soil vapor. Ground water and soil concentrations of Site-related constituents exceed respective SCGs (USEPA Region IX PRGs, see Appendix L - RAGS D Tables 2.3, 2.4, 2.5. and 2.6). Therefore, the exposure pathway for Site-related constituents to excavation workers via incidental ingestion and direct contact is considered complete.

9.6.5. Off-Site Receptors - Residents

VOC contamination in ground water and soil vapor presents an exposure pathway for off-site residents via vapor migration to indoor air in off-Site residences. Soil vapor levels of Site-related constituents in the off-site area exceed SCG values for screening soil vapor migration to indoor air (USEPA OSWER Shallow Soil Gas, see Appendix L - RAGS D Table 2.7). Therefore, the exposure pathway for Site-related constituents to off-site residents via vapor migration to indoor air and subsequent inhalation is considered complete.

10. Summary and conclusions

10.1. Nature and extent of contamination

The primary COCs detected at the site are PCE and its degradation products, TCE, *cis*-1,2-DCE and VC. Concentrations of volatile organic compounds above SCGs were found in site ground water, soil, soil vapor, and indoor air. The results of the RI suggest that a source of continuing soil contamination likely remains under the rear of the former Dambrose Cleaners building, where elevated concentrations of COCs were found in sub-slab soil vapor, soil, and basement sump water. Ground water flow in the overburden was generally westward, where PCE and degradation products were found in several downgradient monitoring well locations. Elevated concentrations of COCs were detected in soil vapor samples surrounding the building, and were detected at lower levels in downgradient and cross-gradient locations.

As discussed in Section 6.2, the presence of high concentrations of the PCE degradation products TCE, *cis*-1,2-DCE and VC is strong evidence that natural attenuation is actively occurring around the perimeter of the presumed source area, and in downgradient ground water. Natural attenuation refers to the physical, chemical, and/or biological processes that act to reduce the mass, toxicity, mobility, volume, or concentration of contaminants in soil and ground water. These processes may include dispersion, advection, sorption, and volatilization, and chemical and/or biological stabilization, transformation, or destruction of contaminants.

As presented in the USEPA document entitled *Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water* (USEPA, 1998), hydrogeologic and geochemical data can be used to indirectly demonstrate the types of natural attenuation processes occurring at a site. Reductive dechlorination is the most common process by which chlorinated VOCs undergo degradation. During reductive dechlorination the chlorinated organic compound acts as an electron acceptor, and a chlorine atom on the organic compound is removed and replaced with a hydrogen atom, which results in the reduction of the organic compound.

The primary pathway for natural attenuation appears to be biodegradation, *i.e.*, biological processes are transforming the more chlorinated organic compounds to less chlorinated organic compounds (daughter products) via reductive dechlorination. In addition, physical processes including advection, dispersion, sorption, and volatilization may also be contributing to the overall attenuation.

10.1.1. Constituents in ground water

The analytical data reveal that the distribution of PCE and its daughter products at the Site correlate well with a plume that is undergoing reductive dechlorination. An idealized distribution of chlorinated VOCs undergoing biodegradation via reductive dechlorination would consist of concentrations of PCE highest in the source area, with elevated TCE and DCE concentrations (mainly *cis*-1,2-DCE) within the source and extending downgradient, and vinyl chloride present in the source with the highest concentrations near the downgradient extent of the plume (USEPA, 1998).

MW-2 contained the highest concentrations of PCE (640 µg/L) detected in ground water samples collected during the RI, with a much lower concentration of TCE (54 µg/L) and no detectable concentrations of DCE or VC. Levels in nearby well MW-1, conversely, showed the highest level of VC detected (110 µg/L), 45 µg/L of DCE, TCE below the PQL, and no PCE. The basement sump water contained PCE (79 µg/L), as well as, like MW-1, high levels of degradation products, including 97 µg/L of VC, 800 µg/L of DCE, and 26 µg/L of TCE.
PCE (parent compound) concentrations were generally lower than the *cis*-1,2-DCE and VC concentrations. With the exception of MW-2, the concentrations of daughter products were higher than the concentrations of PCE. These relationships are indicative of reductive dechlorination of chlorinated VOCs. The ground water at MW-2 may be representative of a separate source of PCE contamination not yet subject to reductive chlorination.

No VOCs were present above detection limits in the basement sump water sample collected from 1526 Carrie Street.

10.1.2. Constituents in sub-slab soils

Soil sample SS-3 exceeded the TAGM 4046 soil cleanup objective for PCE at a concentration of 11,000 µg/kg. Sample SS-3 was collected from immediately below the slab under the basement staircase. PCE in the sub-slab soil samples ranged from 220 µg/kg to 11,000 µg/kg.

TCE and *cis*-1,2-DCE were detected at lower levels. TCE was found at a maximum detected concentration of 130 µg/kg in SS-3 and at 28 µg/kg in SS-2. The maximum concentration of *cis*-1,2-DCE was 80 µg/kg in SS-3, with the other detection of 12 µg/kg in SS-2.

The NETC investigation of 1999 indicated elevated concentrations of PCE in three soil samples, two from the parking lot near MW-1 and MW-2, and in one located on the north side of the building west of soil sample SS-3. Soil vapor results were very high (6,565 µg/kg) at point SG-13, located just outside the north wall of the building near soil sample SS-3 of this investigation.

10.1.3. Constituents in soil vapor, indoor air and sub-slab soil vapor

The detected concentrations of PCE in exterior soil vapor samples ranged from 0.97 µg/m^3 at SG-7 to 38000 µg/m^3 at SG-2. PCE was detected in all soil vapor samples except SG-11. TCE was detected in all soil vapor samples. The detected concentrations of TCE in soil vapor samples ranged from 1 µg/m^3 at SG-7 to 2400 µg/m^3 at SG-2. *Cis*-1,2-DCE was detected in SG-5 and SG-6 at 1.8 µg/m^3 in both samples.

For PCE, the detected indoor air concentrations in the former Dambrose Cleaners building ranged from 64 µg/m^3 to 360 µg/m^3. The highest concentrations of PCE in indoor air were detected in the first floor drop-off area while the lowest concentrations were in the basement. PCE concentrations were 120 µg/m^3 and 130 µg/m^3 in the front and rear apartments, respectively. TCE and *cis*-1,2-DCE were detected at low levels in the front apartment (0.93 µg/m^3 and 0.73 µg/m^3, respectively), as was *cis*-1,2-DCE in the basement (0.64 µg/m^3).

One soil vapor sample was collected from beneath the basement slab, near the rear of the building. The detected concentration of PCE was 1,200,000 µg/m^3, with lesser concentrations of TCE (13,000 µg/m^3) and *cis*-1,2-DCE (7,400 µg/m^3).

The low concentrations of VOCs in basement air suggest that elevated sub-slab concentrations are not readily volatizing to basement air, and that the relatively high concentrations in the first floor drop-off area and apartments are the result of current activities.

Samples from the apartment building at 1523 Van Vranken Avenue contained PCE at 20 µg/m^3 in basement air, and 7.2 µg/m^3 and 4.6 µg/m^3 in first floor air. TCE was detected at a concentration of 0.93 µg/m^3 in basement air and was not detected in first floor air. No sub-slab sample was collected because the dirt floor basement of this structure would presumably allow for direct volatilization to basement air. Samples from 1526 Carrie Street contained PCE in the basement sub-slab sample at a concentration of 0.97 µg/m^3 and TCE at 1.3 µg/m^3. PCE and TCE were not detected in basement air above detection limits, and PCE was detected at a concentration of 2.6 µg/m^3 in first floor air. The relatively low concentrations of detected constituents in sub-slab, basement, and indoor air samples from 1526 Carrie Street are consistent with results from downgradient soil vapor sampling points surrounding the property.

10.2. Exposure Evaluation

10.2.1. Human Health Exposure Evaluation

The qualitative HHEA evaluated the potential sources, locations, and types of environmental releases with population locations and activity

patterns to determine the significant pathways of human exposure at the Site. As described in Sections 8 (VIPE) and 9 (HHEA), receptor populations and complete exposure routes exist for several human receptor populations. The identified exposure pathways are considered complete based on a pathway evaluation and comparisons of measured concentrations to SCGs for the following receptors:

- On-site commercial worker – inhalation of indoor air
- On-site general public – inhalation of indoor air
- On-site resident – inhalation of indoor air
- Off-site resident – inhalation of indoor air
- On-site and off-site excavation worker – direct contact with soiland ground water, inhalation, and incidental ingestion.

11. Recommendations

The results of the RI indicate that there are elevated concentrations of PCE and related degradation products in Site soil, ground water, and soil vapor.

Elevated concentrations of volatile organic compounds are present in ground water in the overburden at the Site. Soil samples collected from under the basement slab contained levels of PCE up to 11,000 µg/kg.

Sub-slab soil gas contained PCE at 1,200,000 µg/m^3, TCE at 13,000 µg/m^3, and *cis*-1,2-DCE at 7,400 µg/m^3. Based on the results of the initial sub-slab and indoor air sampling at the Dambrose Cleaners site, NYSDOH asked NYSDEC to implement an interim remedial measure (IRM) to mitigate the risk posed to building inhabitants by elevated levels of PCE and TCE. The mitigation decision was directed by NYSDOH draft decision matrices comparing indoor air concentrations to those in the sub-slab soil vapor. The resultant IRM consists of a three-point sub-slab depressurization system to reduce infiltration of high concentrations of sub-slab contaminants into the structure. The IRM included the sealing of the open sump and floor cracks to reduce potential infiltration from ground water. However, these measures would not reduce exposures resulting from the off gassing of PCE from dry cleaned garments in the first floor drop-off area. Indoor air quality in this area is treated as an occupational exposure; occupational exposures are regulated by the Occupational Safety and Health Administration (OSHA).

In addition, the elevated soil vapor concentrations indicate that the Site may have the potential to impact nearby properties. Indoor air sampling indicated low concentrations of PCE in basement and first floor air, and TCE in basement air, at 1523 Van Vranken Avenue. Comparison of the detected concentrations at 1523 Van Vranken Avenue to the decision matrices directs that, at a minimum, reasonable and practical actions should be taken to identify source(s) and reduce exposures. Installation of a concrete floor and sealing of cracks in basement walls, followed by sub-slab sampling to determine sub-slab concentrations of VOCs, would enable a direct comparison to the appropriate decision matrices. The elevated soil vapor concentrations in nearby sampling point SG-2 indicates the potential for sub-slab accumulation of VOCs in soil vapor at this property, and further sampling may indicate a need for monitoring or mitigation.

Based on the results of the RI, there is sufficient information to develop a Feasibility Study of remedial alternatives. The Feasibility Study should

be conducted to evaluate remedial alternatives that address contamination on a Site wide basis, such that a cost-effective remedy can be proposed for the Site, which is protective of human health and the environment and meets applicable regulatory requirements.

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Tables

TABLE 3-1
CLIMATE DATA
Former Dambrose Cleaners Site
Schenectady, New York

Average Rainfall [1]

	Jan	*Feb*	*Mar*	*Apr*	*May*	*Jun*	*Jul*	*Aug*	*Sep*	*Oct*	*Nov*	*Dec*	*Year*
mm	63.7	56.8	71.8	77.9	89.6	92.9	80.7	90.1	73.4	71.6	84	72.8	926
inches	2.5	2.2	2.8	3.1	3.5	3.7	3.2	3.5	2.9	2.8	3.3	2.9	36.5

Average Temperature [1]

	Jan	*Feb*	*Mar*	*Apr*	*May*	*Jun*	*Jul*	*Aug*	*Sep*	*Oct*	*Nov*	*Dec*	*Year*
℃	-5.6	-4.3	1.1	7.7	14.1	19	22	20.6	16.2	10.2	4.3	-2.3	8.6
℉	21.9	24.3	34	45.9	57.4	66.2	71.6	69.1	61.2	50.4	39.7	27.9	47.5

Average Maximum Temperature [1]

	Jan	*Feb*	*Mar*	*Apr*	*May*	*Jun*	*Jul*	*Aug*	*Sep*	*Oct*	*Nov*	*Dec*	*Year*
℃	-0.8	0.6	5.9	13.2	20.1	25.1	28.1	26.5	21.9	15.7	8.5	1.5	13.8
℉	30.6	33.1	42.6	55.8	68.2	77.2	82.6	79.7	71.4	60.3	47.3	34.7	56.8

Average Minimum Temperature [1]

	Jan	*Feb*	*Mar*	*Apr*	*May*	*Jun*	*Jul*	*Aug*	*Sep*	*Oct*	*Nov*	*Dec*	*Year*
℃	-10.4	-9.3	-3.8	2.2	8	13	16	14.8	10.5	4.7	0.3	-6.3	3.3
℉	13.3	15.3	25.2	36	46.4	55.4	60.8	58.6	50.9	40.5	32.5	20.7	37.9

(1) SCHENECTADY COUNTY data derived from **NCDC TD 9641 Clim 81 1961-1990 Normals** for 30 years between 1961 and 1990

TABLE 3-2
GROUND WATER SCREENING TEMPORARY WELL SUMMARY

Former Dambrose Cleaners
Schenectady, New York

Location ID	Boring Total Depth	Screened Interval Depth top	Screened Interval Depth bottom	Screening Method
GWS-1	12.0	8.0	12.0	SP-15
GWS-2	12.0	8.0	12.0	SP-15
GWS-3	12.0	8.0	12.0	SP-15
GWS-4	12.0	8.0	12.0	SP-15
GWS-5	10.0	6.0	10.0	SP-15
GWS-6	12.0	7.0	12.0	PVC
GWS-7	16.0	8.0	12.0	SP-15
GWS-8	12.0	4.0	8.0	SP-15
GWS-9	8.0	3.0	8.0	PVC
GWS-10	12.0	7.0	12.0	PVC
GWS-11	19.0	8.0	12.0	SP-15
GWS-12	12.0	7.0	12.0	PVC
GWS-13	10.0	5.0	10.0	PVC
GWS-14	10.0	5.0	10.0	PVC
GWS-15	10.0	5.0	10.0	PVC
GWS-16*	16.0	6.0	16.0	PVC

Notes:

1. All depths in feet below ground surface
2. "SP-15" Geoprobe screen point 15 groundwater sampling system
3. "PVC" Temporary 1-inch PVC monitoring well
4. "*" GWS-16 converted to permanent monitoring well MW-5

TABLE 3-3
MONITORING WELL CONSTRUCTION DETAILS
Former Dambrose Cleaners
Schenectady, New York

Well No.	Date Completed	Measuring Point Elevation	Ground Elevation	Screen Depth Top	Screen Depth Bottom	Screen Elevation Top	Screen Elevation Bottom	Sand Pack Depth Top	Sand Pack Depth Bottom	Sand Pack Elevation Top	Sand Pack Elevation Bottom
MW-5	09/24/04	197.76	197.9	6.0	16.0	191.9	181.9	4.0	16.0	193.9	181.9
MW-6	12/01/04	191.10	191.2	7.3	12.3	183.9	178.9	5.3	12.3	185.9	178.9
MW-7	12/01/04	195.04	195.0	3.7	13.7	191.3	181.3	1.7	13.7	193.3	181.3
MW-8	12/01/04	190.43	190.5	10.5	15.5	180.0	175.0	7.5	15.5	183.0	175.0
MW-9	12/01/04	190.99	191.2	5.5	15.5	185.7	175.7	3.5	15.5	187.7	175.7
MW-10	12/02/04	191.17	191.3	6.1	11.1	185.2	180.2	4.1	11.1	187.2	180.2
MW-11	12/01/04	200.13	200.2	4.6	14.6	195.6	185.6	2.6	14.6	197.6	185.6

Notes:

1. All depths in feet below ground surface
2. All elevations in feet above mean sea level.

TABLE 3-4
GROUND WATER ELEVATION DATA
Former Dambrose Cleaners
Schenectady, New York

Well	15-Dec-04	02-Feb-05
MW-1	192.97	191.76
MW-2	193.10	191.70
MW-3	196.30	192.10
MW-4	191.85	191.25
MW-5	192.52	NA
MW-6	185.82	185.41
MW-7	192.23	190.71
MW-8	184.62	184.36
MW-9	185.78	184.78
MW-10	186.20	185.58
MW-11	194.45	192.98

Notes:
1. All elevations are in feet relative to site datum.
2. "NA" - Not accessible due to deep snow

TABLE 3-5
HYDRAULIC CONDUCTIVITY TESTING RESULTS
Former Dambrose Cleaners
Schenectady, New York

Well Identification	Bouwer and Rice K Estimate (cm/sec)	Arithmetic Mean (cm/sec)	Arithmetic Mean (ft/day)
MW-2	1.80E-02		
	1.48E-02		
	1.52E-02	1.60E-02	45.41
MW-4	1.18E-03	1.18E-03	3.36
MW-5	1.26E-03		
	1.41E-03		
	1.57E-03	1.41E-03	4.00
MW-6	2.23E-03		
	2.42E-03		
	2.16E-03	2.27E-03	6.43
MW-7	4.28E-04		
	2.02E-04		
	2.14E-04	2.81E-04	0.80
MW-8	4.31E-04		
	4.41E-04		
	5.48E-04	4.73E-04	1.34
MW-9	4.60E-04		
	5.17E-04		
	5.24E-04	5.00E-04	1.42
MW-10	2.67E-03		
	2.36E-03		
	1.71E-03	2.25E-03	6.37

Notes:

1. The geometric mean hydraulic conductivity at the Site is 3.05E-03 (8.64 ft/day).

TABLE 6-1
Ground Water Screening Results (Hits Only)
September 2004

Former Dambrose Cleaners
Schenectady, New York

COMPOUND	*GWS-1*	*GWS-2*	*GWS-3*	*GWS-4*	*GWS-5*	*GWS-6*	*GWS-7*	*GWS-8*	*GWS-9*	*GWS-10*	*GWS-11*	*GWS-12*
1,1-Dichloroethene	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Acetone	10.0 U	10.0 U	**3.0 J**	**3.0 J**	**2.0 J**	10.0 U	10.0 U	10.0 U	**2.0 J**	**2.0 J**	10.0 U	10.0 U
cis-1,2-Dichloroethene	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**5.0 J**	10.0 U	**13.0**	10.0 U	10.0 U
Methyl acetate	10.0 U	**2.0 J**	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methyl tert-butyl ether	10.0 U	**2.0 J**	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methylene chloride	**2.0 JB**	**2.0 JB**	**2.0 JB**	**2.0 JB**	**2.0 JB**	**1.0 JB**	**1.0 JB**	**1.0 JB**	**1.0 JB**	**1.0 JB**	**1.0 JB**	**2.0 JB**
Tetrachloroethene	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**7.0 J**	10.0 U	10.0 U
trans-1,2-Dichloroethene	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**5.0 J**	10.0 U	10.0 U
Vinyl chloride	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**1.0 J**	10.0 U	10.0 U	10.0 U	10.0 U

COMPOUND	*GWS-13*	*GWS-14*	*GWS-15*	*GWS-16*	EQB *9/24/2004*	Storage *Blank*	*SUMP 9/24/2004*	*Screening Criterion*
1,1-Dichloroethene	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**0.9 J**	0.7
Acetone	10.0 U	10.0 U	10.0 U	**4.0 J**	10.0 U	10.0 U	**2.0 J**	50
cis-1,2-Dichloroethene	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**960 D**	5
Methyl acetate	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	N/A
Methyl tert-butyl ether	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10
Methylene chloride	**2.0 JB**	**1.0 JB**	**2.0 JB**	**1.0 JB**	**1.0 JB**	**2.0 JB**	**2.0 JB**	5
Tetrachloroethene	**0.5 J**	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**79**	5
trans-1,2-Dichloroethene	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**3.0 J**	5
Trichloroethene	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**26**	5
Vinyl chloride	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**97**	2

Notes:

1. All units in ug/L.
2. All analyses performed by O'Brien & Gere Labs of Syracuse, New York.
3. Volatile organic compounds quantitated by USEPA OLM04.2
4. "U" designates compound was not detected at or above the quantitation limit shown.
5. "J" designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
6. "B" designates that the compound was detected in the Trip Blank.
7. "D" designates that the detected concentration is from the diluted analysis.

TABLE 6-2
Monitoring Well Sampling Results (Hits Only)
December 2004

Former Dambrose Cleaners
Schenectady, New York

COMPOUND	*MW-1*	*MW-2*	*X-1 (MW-2 Dup.)*	*MW-3*	*MW-4*	*MW-5*	*MW-6*	*MW-7*	*MW-8*	*MW-9*	*MW-10*	*MW-11*	*Screening Criterion*
Chloroethane	5.0 U	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	**0.7 J**	5.0 U	5.0 U	5.0 U	5.0 U	5
cis-1,2-Dichloroethene	**45**	**56 D**	**55 D**	5.0 U	**21**	5.0 U	**70**	**5.0**	5.0 U	5.0 U	5.0 U	5.0 U	5
Tetrachloroethene	5.0 U	**640 D**	**670 D**	5.0 U	**10**	5.0 U	**5.0**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5
trans-1,2-Dichloroethene	5.0 U	25 U	25 U	5.0 U	**0.7 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5
Trichloroethene	**0.9 J**	**54 D**	**52 D**	5.0 U	**4.0 J**	5.0 U	**6.0**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5
Vinyl chloride	**110**	25 U	25 U	5.0 U	**9.0**	5.0 U	**0.7 J**	**5.0 J**	5.0 U	5.0 U	5.0 U	5.0 U	2

Notes:
1. All units in ug/L.
2. All analyses performed by O'Brien & Gere Labs of Syracuse, New York.
3. Volatile organic compounds quantitated by USEPA Method OLM04.2
4. "U" designates compound was not detected at or above the quantitation limit shown.
5. "J" designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
6. "D" designates that the detected concentration is from the diluted analysis.

TABLE 7-1
Sub-slab Soil Sampling Results (Hits Only)
December 2004

Former Dambrose Cleaners
Schenectady, New York

COMPOUND	*SS-1*	*SS-2*	*SS-2*	*SS-3*	*SS-3*	*SS-3*	*Screening Criterion*
Acetone	3 J	6 J	11 JD	5 J	89 U	1200 U	110
Methylene chloride	0.6 J	11 U	4 JD	12 U	6 JD	1200 JD	100
trans-1,2-Dichloroethene	12 U	11 U	53 U	0.7 J	89 U	1200 U	300
cis-1,2-Dichloroethene	12 U	12	8 JD	80	55 J	1200 U	200
Trichloroethene	1 J	28	19 JD	130	85 JD	130 JD	700
Tetrachloroethene	220	820 E	1000 D	940 E	3700 E	**11000** D	1400

Notes:

1. All units in ug/Kg dry weight
2. All analyses performed by O'Brien & Gere Labs of Syracuse, New York.
3. Volatile organic compounds quantitated by USEPA OLM04.2
4. "U" designates compound was not detected at or above the quantitation limit shown.
5. "J" designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
6. "E" designates that the concentration exceeded the calibration range and is estimated
7. "D" designates that the detected concentration is from the diluted analysis.

Former Dambrose Cleaners Site (#4-47-030)
NYSDEC Standby Contract Work Assignment #D004090-15
Data Evaluation

Table 8-1. ***Soil Vapor and Indoor Air - Empirical Attenuation Factors and Screening for On-Site Building Exposures***

	Results		*Empirical Attenuation*		*Screening Comparison Values*		*Screening Results*		
Location	Sampling Results Comparisons		Derived from Measured Concentrations		Indoor Air Background	Shallow Soil Vapor Migration	Indoor Air Background	Shallow Soil Vapor Migration	NYSDOH
CAS # Constituent	Indoor Air	Sub-Slab Soil Vapor	Attenuation Factors (1)		Fuel Oil Heated Homes Study (2)	Health Based Guidance Values (3)	Fuel Oil Heated Homes Study (2)	Health Based Guidance Values (3)	SV / IA Matrix Result (4)
Basement	BAS-IA	BAS-SS	C_{ia}/C_{sv}						
	ug/m3	ug/m3	alpha	1/alpha	IA BKGRD (2) ug/m3	SSV RBC (3) ug/m3	IA Exceeds Background? (2)	SV Exceeds SSV RBC? (3)	Indicated Action? (4)
127184 PCE	64	1200000	5.33E-05	18750	1.2	8.1	YES	YES	11. MITIGATE
79016 TCE	ND	13000	NA	NA	0.25	0.22	no	YES	1. NFA
156592 cis 1,2-DCE	0.64	7400	8.65E-05	11563	0.25	350	YES	YES	
Drop-Off Area	DC-IA	BAS-SS							
	ug/m3	ug/m3	alpha	1/alpha	IA BKGRD (2) ug/m3	SSV RBC (3) ug/m3	IA Exceeds Background? (2)	SV Exceeds SSV RBC? (3)	Indicated Action? (4)
127184 PCE	360	1200000	3.00E-04	3333	1.2	8.1	YES	YES	12. MITIGATE
79016 TCE	ND	13000	NA	NA	0.25	0.22	no	YES	1. NFA
156592 cis 1,2-DCE	ND	7400	NA	NA	0.25	350	no	YES	
Rear Apt (1st Floor)	APT-R-IA	APT-R-CS							
	ug/m3	ug/m3	alpha	1/alpha	IA BKGRD (2) ug/m3	SSV RBC (3) ug/m3	IA Exceeds Background? (2)	SV Exceeds SSV RBC? (3)	Indicated Action? (4)
127184 PCE	120	9300	1.29E-02	78	1.2	8.1	YES	YES	12. MITIGATE
79016 TCE	ND	13000	NA	NA	0.25	0.22	no	YES	1. NFA
156592 cis 1,2-DCE	ND	ND	NA	NA	0.25	350	no	no	
Front Apt (2nd Floor)	APT-F-IA	BAS-SS							
	ug/m3	ug/m3	alpha	1/alpha	IA BKGRD (2) ug/m3	SSV RBC (3) ug/m3	IA Exceeds Background? (2)	SV Exceeds SSV RBC? (3)	Indicated Action? (4)
127184 PCE	130	1200000	1.08E-04	9231	1.2	8.1	YES	YES	12. MITIGATE
79016 TCE (5)	0.93	13000	7.15E-05	13978	0.25	0.22	YES	YES	1. NFA
156592 cis 1,2-DCE	0.73	7400	9.86E-05	10137	0.25	350	YES	YES	

Key to Sample ID:

Sample ID	Sample Location
BAS-IA	- Basement indoor air
BAS-SS	- Basement sub-slab soil vapor
DC-IA	- Dry cleaning drop-off area (1st Floor)
APT-R-IA	- Apartment in rear of building (1st Floor)
APT-R-CS	- Crawl space / joist space for apartment in rear of building (1st Floor)
APT-F-IA	- Apartment in front of building (2nd Floor)

Notes:

(1) Site specific attenuation factors for cis-1,2-DCE and PCE from sub-slab vapor to basement indoor air are uniform, as would be expected, at about 5 orders-of-magnitude (OM) ("alpha" equals 10^{-05}). A conservative default factor for SS to IA attenuation is about 1 to 2 orders of magnitude ("alpha" equals 10^{-01} to10^{-02}) (USEPA 2002). That is site-specific empirical attenuation factors (alphas) are lower (indicates greater attenuation) for cis-1,2-DCE and PCE than the default. However, PCE attenuation from sub-slab vapor to indoor air for the drop-off area and apartments of the building indicate less attenuation is observed than related to the basement. That is, here is 1 OM or greater difference in alphas. In addition, measured PCE concentrations are lowest in the basement. These variations in empirical attenuation and concentrations suggest an alternate source of PCE vapors could be present in the building.

(2) NYSDOH (2003) Fuel Oil Heated Homes Study - Upper Quartile value or 0.25 ug/m3 default

(3) Soil vapor concentrations are compared to USEPA OSWER Guidance (2002 - Table 2c) health based values for soil vapor protective of indoor air exposure at a 10-06 cancer risk.

(4) NYSDOH *Soil Vapor/Indoor Air Matrix 1 and 2 (for TCE and PCE* (February 2005 - WORKING DRAFT 2.23.04).

(5) Trichloroethylene was not detected in the subsurface or in indoor air except for the apartment in the front (2nd floor) (0.93 ug/m3). However, TCE was detected at 1.1 ug/m3 in ambient air and 4.4 ug/m3 in a garment air sample. Similarly, PCE levels in the apartments and the outdoor air were nearly equivalent at the time of sampling. Although VOCs were detected in the joist space (9300 ug/L), sub-slab (1,200,000 ug/m3), and drop-off area (360 ug/m3), there is a potential that the detected VOC levels in the apartments could be temporally influenced by periodically high outdoor VOC levels (potentially related to evapotranspiration from a nearby tree) or by VOC migration from freshly dry-cleaned clothing stored in the first floor drop-off area.

Table 8-2. ***Ground Water and Soil Vapor - Empirical Attenuation Factors and Soil Vapor Migration Screening for Off-Site Building Exposures***

	Measured Ground Water Concentration C_{gw} (1)	Henry's Law Value H' (2)	Derived Henry's Law Concentration C_{henrys} (2)	Measured Soil Vapor Concentration C_{ssv}	Calculated Empirical Attenuation (3) C_{ssv}/C_{henrys}		Soil Vapor Health-Based Screening (4)	Does Soil Vapor Exceed Health-Based Criteria?
SG-1 / MW-1							SSV RBC	
	ug/L	unitless	ug/m3	ug/m3	alpha	1/alpha	ug/m3	Exceeds SSV RBC?
127184 PCE	ND	0.336	NA	410	NA	---	8.10	YES
79016 TCE	0.9	0.206	185	2.9	1.56E-02	64	0.22	YES
156592 cis 1,2-DCE	45	0.0877	3947	ND	NA	---	350	no
75014 VC	110	0.741	81510	ND	NA	---	2.80	no
SG-2 / MW-2								
	ug/L	unitless	ug/m3	ug/m3	alpha	1/alpha	SSV RBC	Exceeds SSV RBC?
127184 PCE	640	0.336	215040	38000	1.77E-01	5.7	8.10	YES
79016 TCE	54	0.206	11124	2400	2.16E-01	4.6	0.22	YES
156592 cis 1,2-DCE	56	0.0877	4911	ND	NA	---	350	no
SG-3 / MW-3								
	ug/L	unitless	ug/m3	ug/m3	alpha	1/alpha	SSV RBC	Exceeds SSV RBC?
127184 PCE	ND	0.336	NA	380	NA	---	8.10	YES
79016 TCE	ND	0.206	NA	1.5	NA	---	0.22	YES
156592 cis 1,2-DCE	ND	0.0877	NA	ND	NA	---	350	no
SG-5 / MW-5								
	ug/L	unitless	ug/m3	ug/m3	alpha	1/alpha	SSV RBC	Exceeds SSV RBC?
127184 PCE	ND	0.336	NA	7.8	NA	---	8.10	no
79016 TCE	ND	0.206	NA	1.2	NA	---	0.22	YES
156592 cis 1,2-DCE	ND	0.0877	NA	1.8	NA	---	350	no
SG-6 / MW-6								
	ug/L	unitless	ug/m3	ug/m3	alpha	1/alpha	SSV RBC	Exceeds SSV RBC?
127184 PCE	5	0.336	1680	3.2	1.90E-03	525	8.10	no
79016 TCE	6	0.206	1236	1.5	1.21E-03	824	0.22	YES
156592 cis 1,2-DCE	70	0.0877	6139	1.8	2.93E-04	3411	350	no
75014 VC	0.7	0.741	519	ND	NA	---	2.8	no
SG-7 / MW-7								
	ug/L	unitless	ug/m3	ug/m3	alpha	1/alpha	SSV RBC	Exceeds SSV RBC?
127184 PCE	ND	0.336	NA	0.97	NA	---	8.1	no
79016 TCE	ND	0.206	NA	1.0	NA	---	0.22	YES
156592 cis 1,2-DCE	5	0.0877	439	ND	NA	---	350	no
75014 VC	5	0.741	3705	ND	NA	---	2.8	no
75003 Chloroethane	0.7	0.223	156	ND	NA	---	100000	no
SG-8 / MW-8								
	ug/L	unitless	ug/m3	ug/m3	alpha	1/alpha	SSV RBC	Exceeds SSV RBC?
127184 PCE	ND	0.336	NA	13	NA	---	8.1	YES
79016 TCE	ND	0.206	NA	1.9	NA	---	0.22	YES
156592 cis 1,2-DCE	ND	0.0877	NA	ND	NA	---	350	no
75014 VC	ND	0.741	NA	ND	NA	---	2.8	no
SG-9 / MW-9								
	ug/L	unitless	ug/m3	ug/m3	alpha	1/alpha	SSV RBC	Exceeds SSV RBC?
127184 PCE	ND	0.336	NA	1.3	NA	---	8.1	no
79016 TCE	ND	0.206	NA	1.2	NA	---	0.22	YES
156592 cis 1,2-DCE	ND	0.0877	NA	ND	NA	---	350	no
71556 1,1,1TCA	ND	0.365	NA	ND	NA	---	22000	no
SG-10 / MW-10								
	ug/L	unitless	ug/m3	ug/m3	alpha	1/alpha	SSV RBC	Exceeds SSV RBC?
127184 PCE	ND	0.336	NA	2.1	NA	NA	8.1	no
79016 TCE	ND	0.206	NA	1.1	NA	NA	0.22	YES
156592 cis 1,2-DCE	ND	0.0877	NA	ND	NA	---	350	no
SG-11 / MW-11								
	ug/L	unitless	ug/m3	ug/m3	alpha	1/alpha	SSV RBC	Exceeds SSV RBC?
127184 PCE	ND	0.336	NA	ND	NA	---	8.1	no
79016 TCE	ND	0.206	NA	0.87	NA	NA	0.22	YES
156592 cis 1,2-DCE	ND	0.0877	NA	ND	NA	---	350	no

(4) NYSDOH *Soil Vapor/Indoor Air Matrix 1 and 2 (for TCE and PCE* (February 2005 - WORKING DRAFT 2.23.04).

Notes:

(1) For constituents detected in soil vapor but not ground water (GW at DL), the ground water detection limit (5 ug/L) was used to calculate the Henry's Law equilibrium concentration.

(2) Temperature corrected to 10 degrees centigrade

(3) Empirical attenuation factors were developed where VOCs were detected in ground water and soil vapor. A review of empirical attenuation indicates that there are greater differences between the ground water concentrations and soil vapor concentrations near the on-site source (SG-1, SG-2, SG-3: alpha is about 10^{-01} to10^{-02}) than further from the source (SG-6: alpha is about 10^{-04}). These results could be attributed to 1) differential attenuation rates between these areas 2) sampling variability or 3) the presence of a vapor plume that is independent of ground water transport processes. *Note that a common conservative default factor for ground water to soil vapor attenuation (USEPA OSWER 2002) is about 1 order of magnitude (10^{-01}). That is, alpha (Cssv/Chenrys law) would be expected to be less than 10^{-01} for migration of ground water to soil vapor.*

(4) Soil vapor concentrations are compared to USEPA OSWER Guidance (2002 - Table 2c, 10^{-06} Risk) health based values for soil vapor protective of indoor air exposure.

Former Dambrose Cleaners Site (#4-47-030)
NYSDEC Standby Contract Work Assignment #D004090-15
Data Evaluation

Table 8-3. ***Overall On-Site Indoor Air and Ambient Air Results Comparisons***

Constituent	*Air Sampling Analytical Results*										*Comparison Value*
Air All Units in ug/m3	**Sep-04 BAS-IA**	**Sep-04 BKGRD-AA (1)**	**Dec-04 Ambient Air (1)**	**NYSDOH (MAR 1999) Ambient Air (1)**	**NYSDOH (NOV 1999) Ambient Air (1)**	**Sep-04 DC-IA**	**Sep-04 APT-R-IA**	**Sep-04 APT-F-IA (2nd Fl)**	**Dec-04 Garment**	**NYSDOH (1999) APT-F (2nd Fl)**	**Background NYSDOH (2003) (2)**
127184 PCE	64	120	1.2	540	16	**360**	120	130	16000	540	1.2
79016 TCE	ND	1.1	0.82	NA	NA	ND	ND	**0.93**	4.4	NA	0.25
156592 cis 1,2-DCE	0.64	ND	0.81	NA	NA	ND	ND	**0.73**	ND	NA	0.25
71556 1,1,1TCA	ND	ND	0.12	NA	NA	ND	ND	ND	ND	NA	1.4

Notes:

1) Higher than expected background levels in ambient air were detected. These levels are a possible result of the sample proximity to a large tree (Box Elder - Acer spp.) and the effects of VOC uptake by tree roots and subsequent evapotranspiration by the tree leaves. This process could result in higher local background levels. A confirmatory background sample, which was collected away from the tree in December 2004, resulted in lower concentrations. Similar temporal variation was observed for NYSDOH (1999) outdoor air sampling.

2) NYSDOH (2003) Fuel Oil Heated Homes Study - Upper Quartile value or 0.25 ug/m3 default

(4) NYSDOH *Soil Vapor/Indoor Air Matrix 1 and 2 (for TCE and PCE* (February 2005 - WORKING DRAFT 2.23.04).

Former Dambrose Cleaners Site (#4-47-030)
NYSDEC Standby Contract Work Assignment #D004090-15
Preliminary Data Evaluation

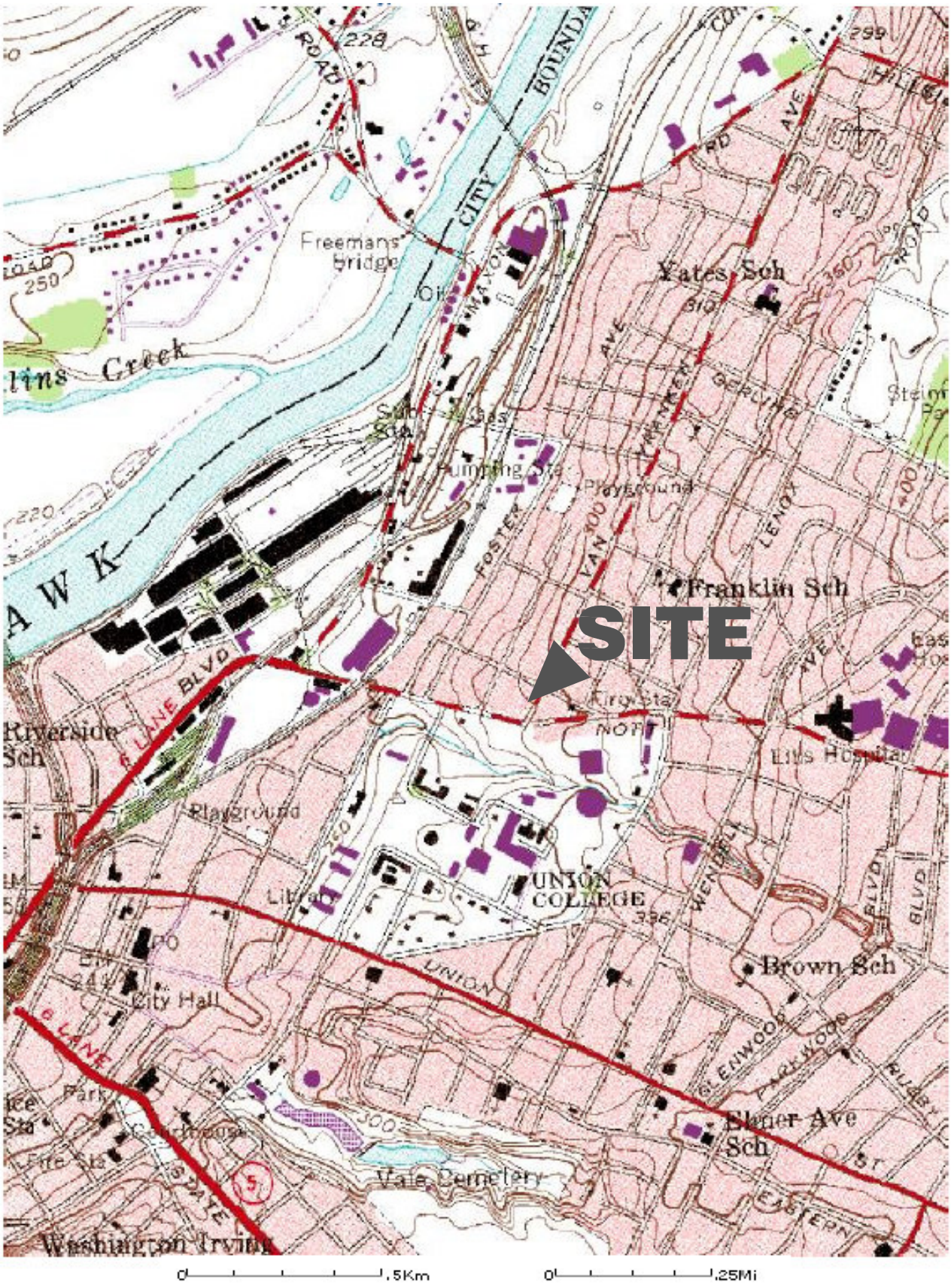
Table 8-4. ***Basement Results Comparison - Sump, Soil, Soil Vapor, and Air***

Ground Water	**Maximum Basement Soil ug/kg**	**Basement Sump Water ug/L**	**Sump Water - Henry's Law Equilibrium Conc. in Air ug/m3**	**BAS-SS Sub-Slab Vapor ug/m3**	**BAS-IA Basement Air ug/m3**
127184 PCE	11000	79	26544	1200000	64
79016 TCE	130	26	5356	13000	ND
156592 cis 1,2-DCE	80	800	70160	7400	0.64
75014 VC	ND	97	71877	ND	ND

Notes:

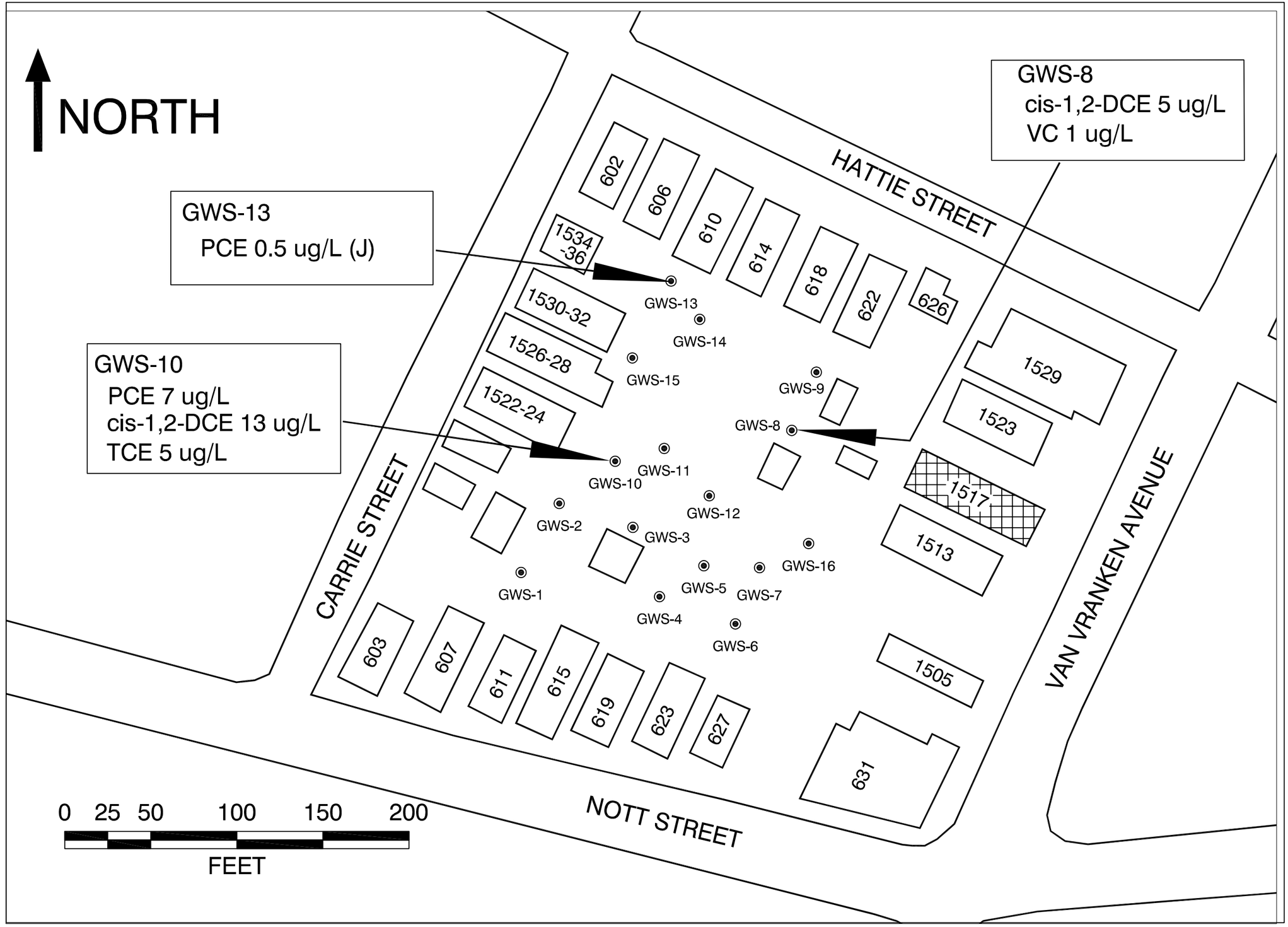
1) USEPA OSWER Guidance (2002 - Table 2c) values for ground water related to indoor air exposure.
2) USEPA OSWER (2002) guidance defaults to USEPA MCL values for these constituents.

Figures



O'BRIEN & GERE ENGINEERS INC.	**FIGURE 1-1** **SITE LOCATION MAP** **Former Dambrose Cleaners** **Schenectady, New York**	FILE NO. **34253.002** DATE **March 2005**

FIGURE 3–1



LEGEND

◉ Ground Water Screening Pt

PCE: Tetrachloroethene
DCE: Dichloroethene
TCE: Trichloroethene
VC: Vinyl Chloride

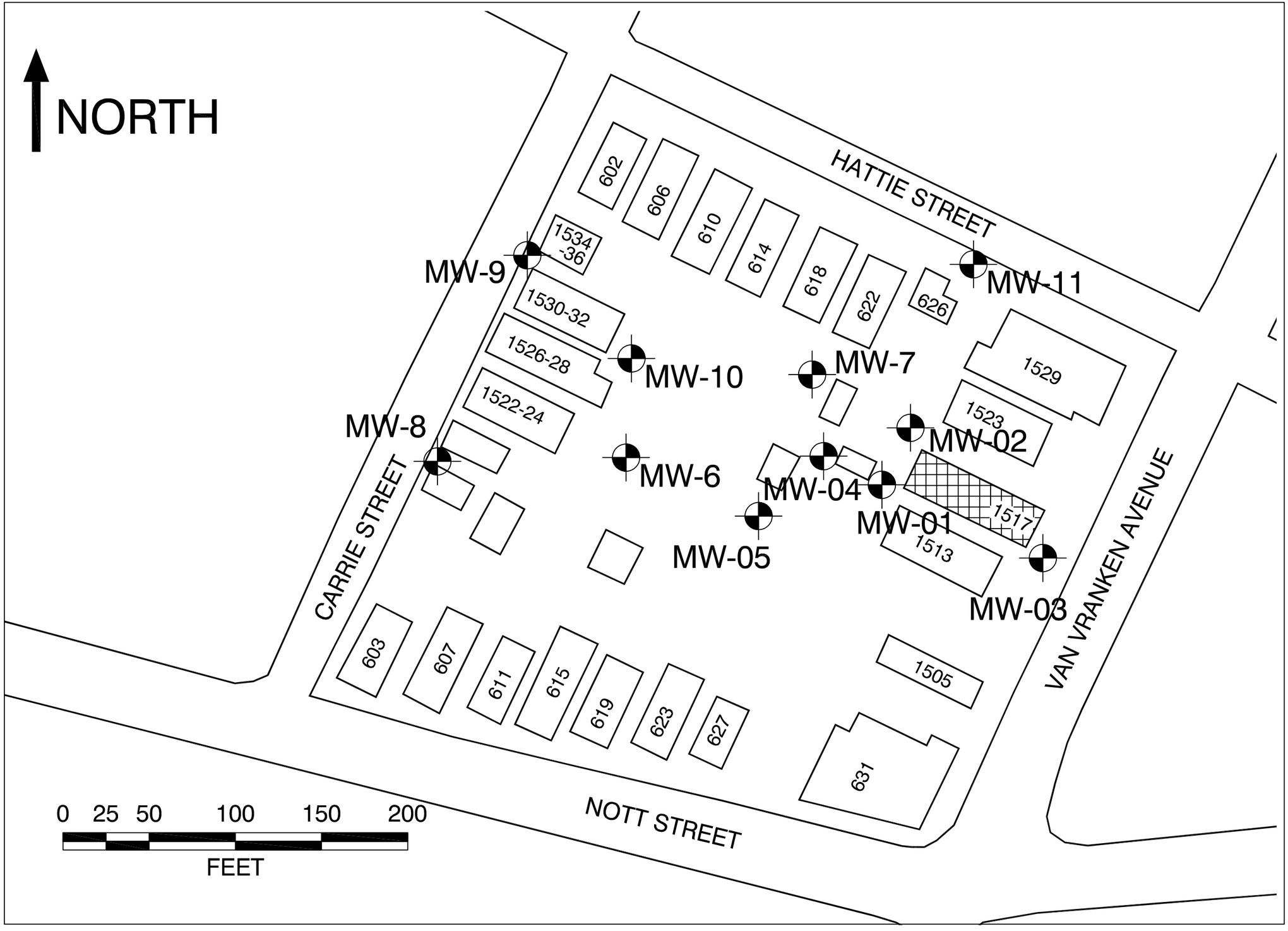
NYSDEC
State Superfund
Standby Contract
WA #D004090–15

Ground Water Screening Point Locations and Sampling Results
Dambrose Cleaners

FILE NO. 34253.002.001
October 2005

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 3–2



LEGEND

Monitoring Well

NYSDEC
State Superfund
Standby Contract
WA #D004090–15

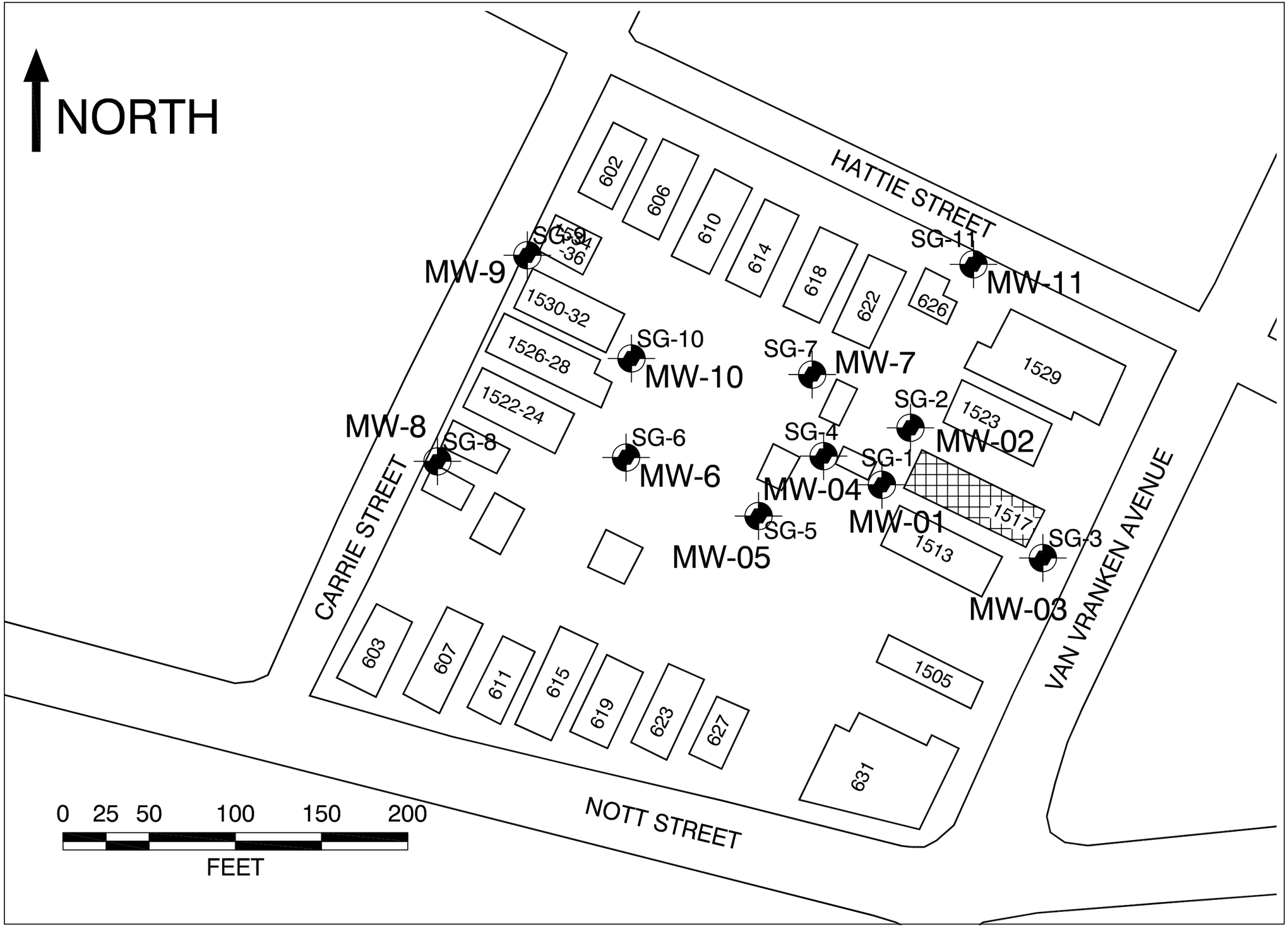
Monitoring Well Locations

Dambrose Cleaners

FILE NO. 34253.002.001
October 2005

O'BRIEN & GERE
ENGINEERS, INC.

FIGURE 3–3



LEGEND

Monitoring Well

Soil Gas Sampling Point

NYSDEC
State Superfund
Standby Contract
WA #D004090–15

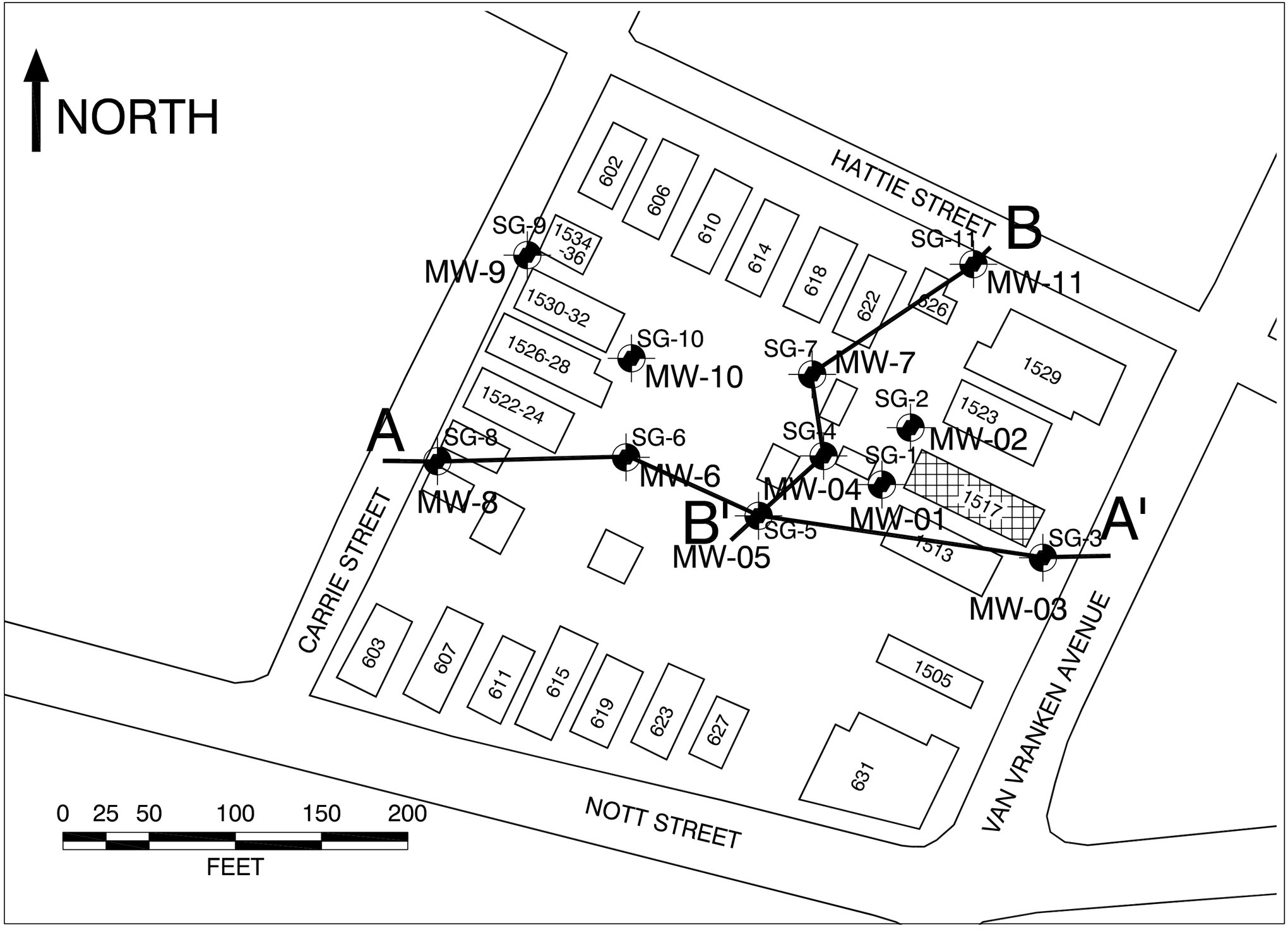
Soil Gas Sampling Points & Monitoring Well Locations

Dambrose Cleaners

FILE NO. 34253.002.001
October 2005

O'BRIEN & GERE
ENGINEERS, INC.

FIGURE 4–1



LEGEND

Monitoring Well

Soil Gas Sampling Point

NYSDEC
State Superfund
Standby Contract
WA #D004090–15

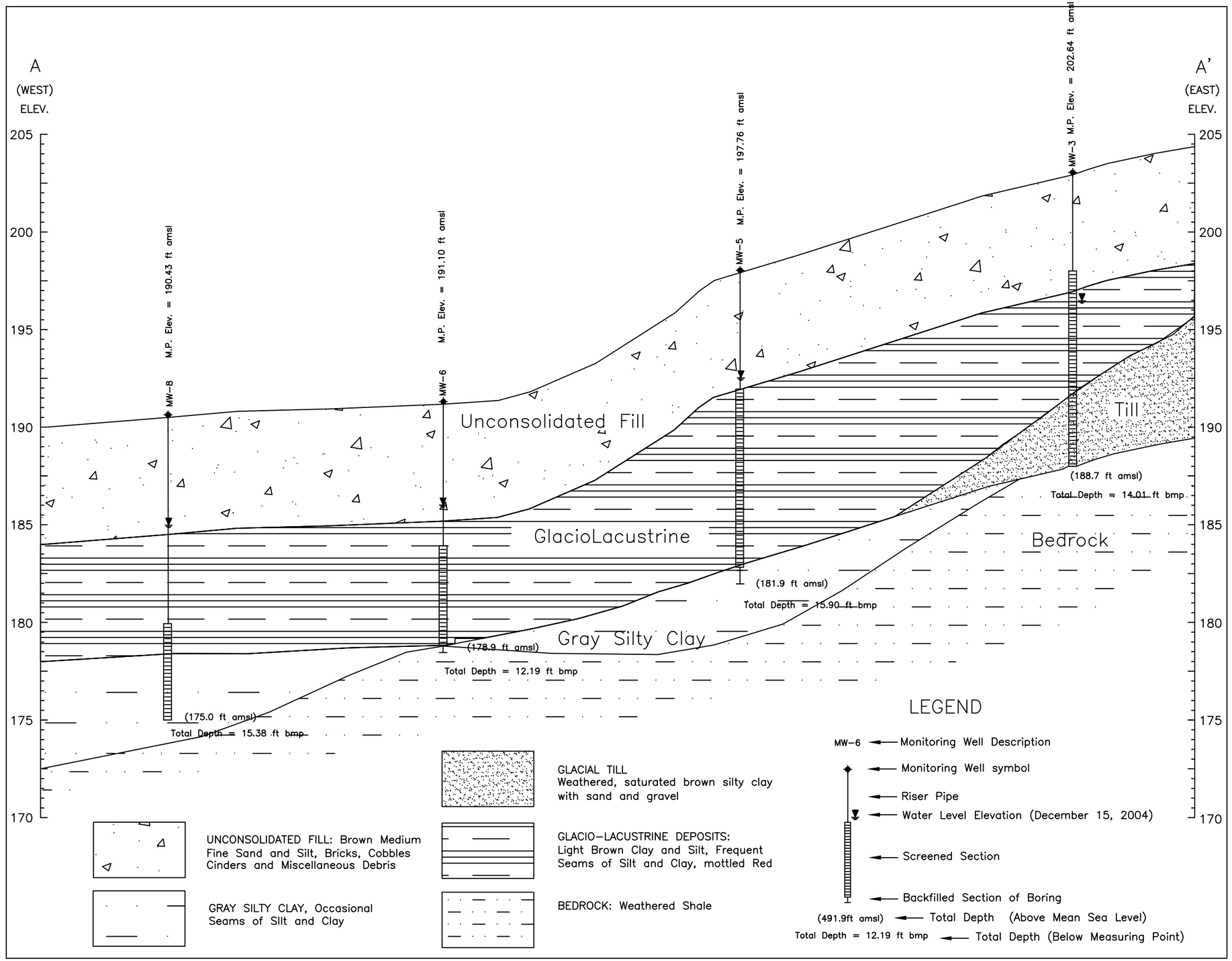
Cross–section
Location Map

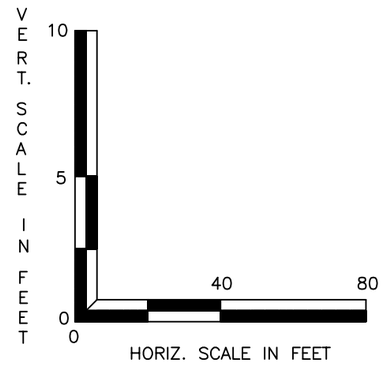
Dambrose Cleaners

FILE NO. 34253.002.001
October 2005

O'BRIEN & GERE
ENGINEERS, INC.

FIGURE 4-2





EAST/WEST
CROSS-SECTION
DAMBROSE CLEANERS
SCHENECTADY, NEW YORK

GEOLOGIC CROSS SECTION
LINE A-A'

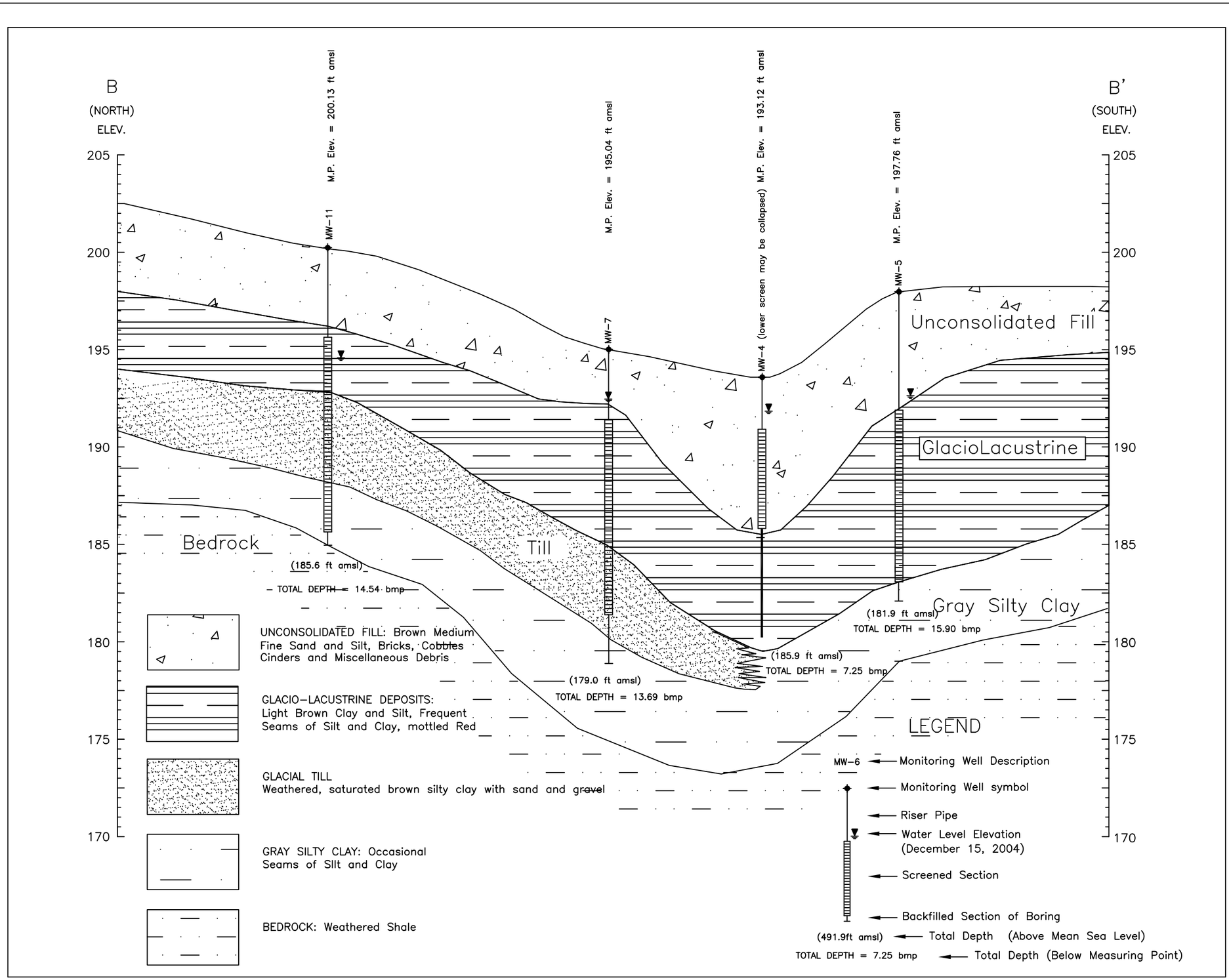
October 2005
34253.002.001

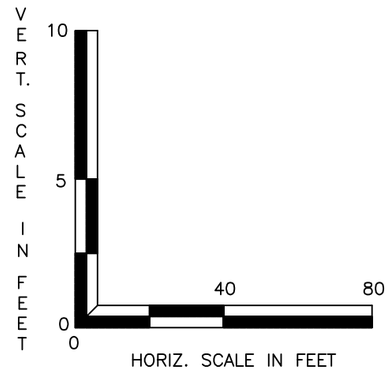
O'BRIEN & GERE
ENGINEERS INC.

DWG PATH: I:\ALBANY\PROJ\0612\NYDEC\34253-Dambrose\RPTS\RI\FIGURES\Figure 4-2 EW-XSEC.DWG 1:60

3/8/05

FIGURE 4–3





SOUTH/NORTH
CROSS–SECTION
DAMBROSE CLEANERS
SCHENECTADY, NEW YORK

GEOLOGIC CROSS SECTION
LINE B–B'

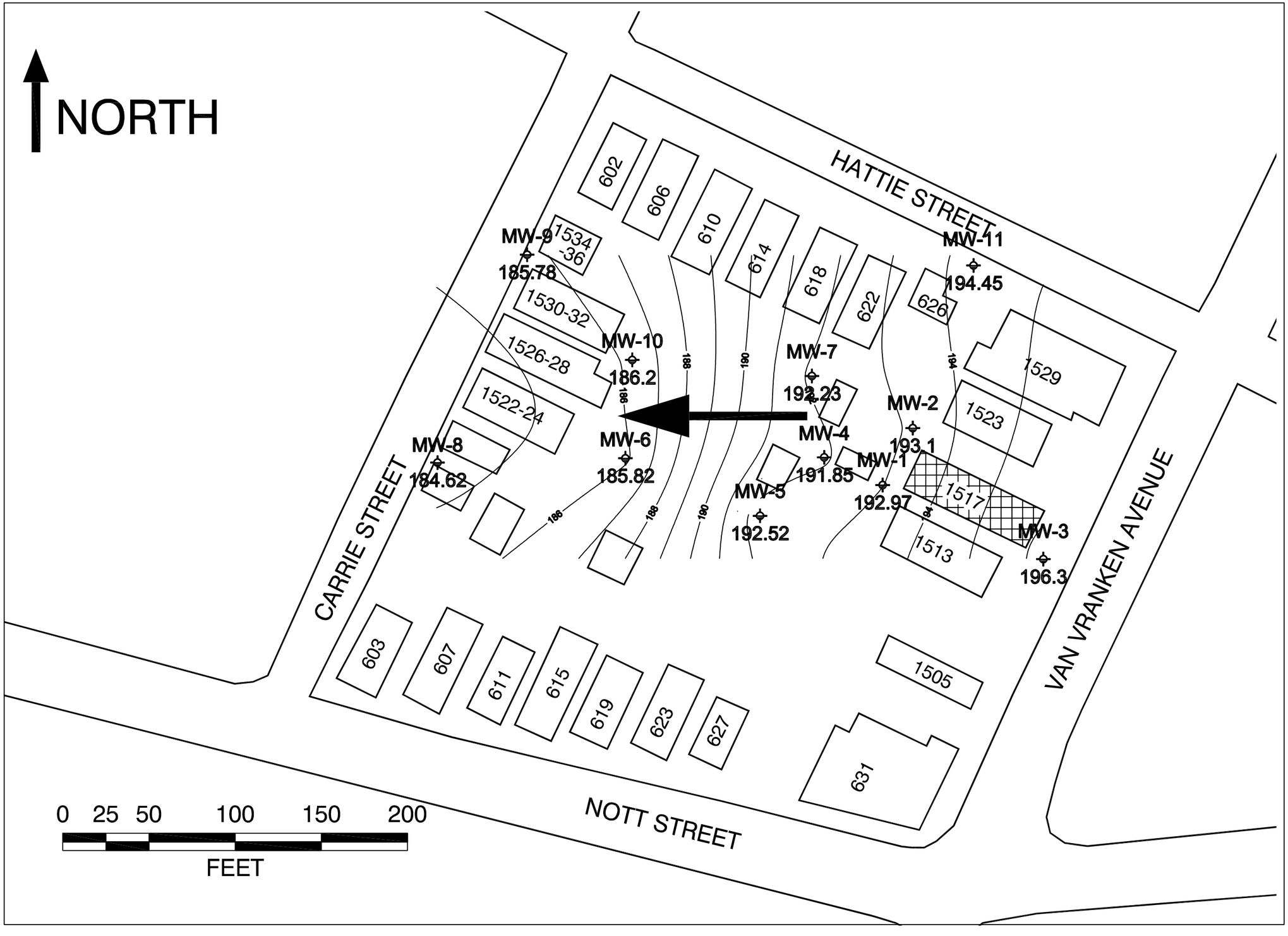
October 2005
34253.002.001

O'BRIEN & GERE
ENGINEERS INC.

DWG PATH: I:\ALBANY\PROJ\0612\NYDEC\34253–Dambrose\RPTS\RI\Figures\Figure 4–3 NS–XSEC.DWG 1:60

3/8/05

FIGURE 5–1



LEGEND

Direction of Ground Water Flow

MW-8 184.62 Monitoring Well w/ ground water elevation

190 Ground Water Elevation Contour

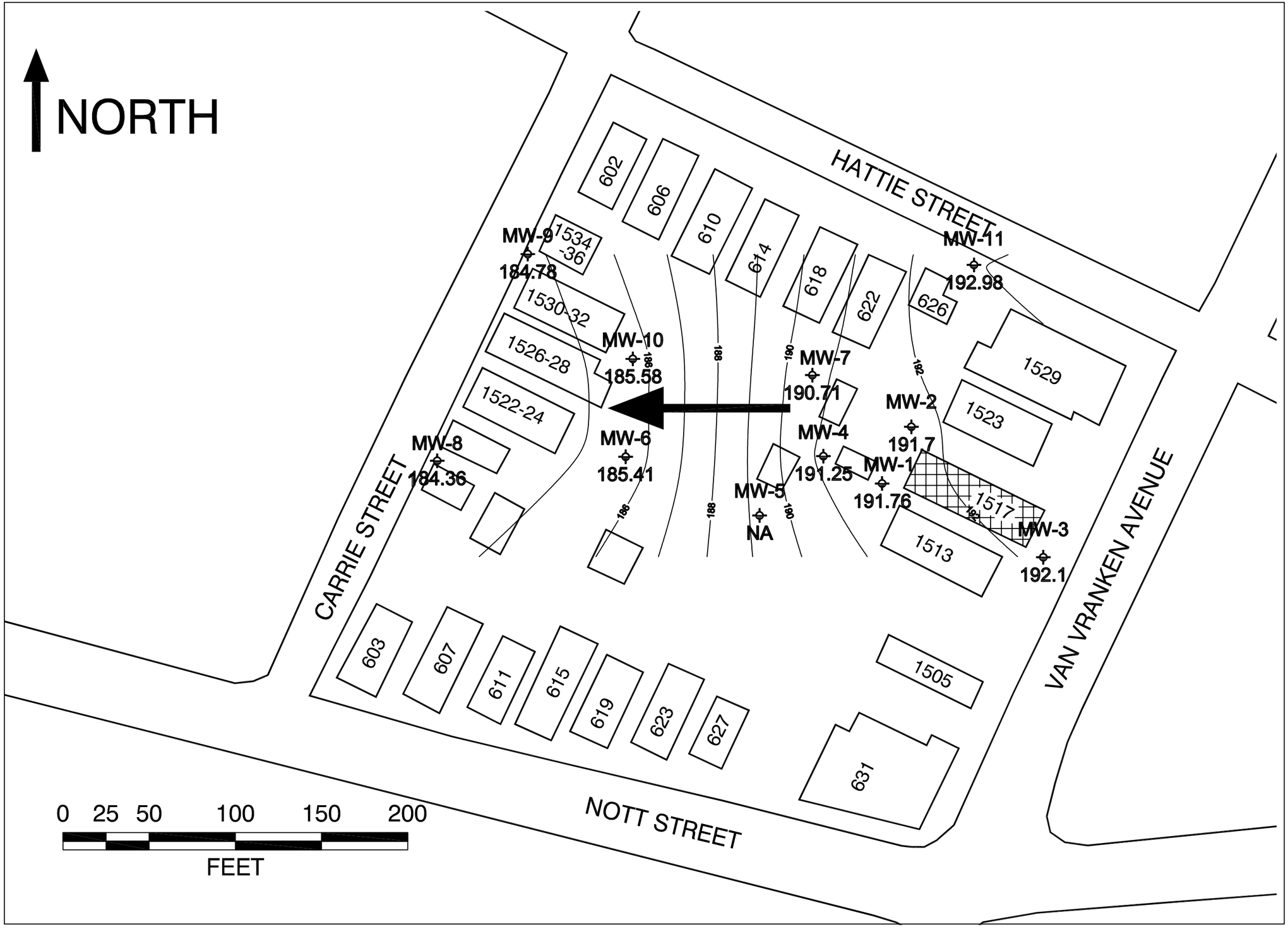
NYSDEC
State Superfund
Standby Contract
WA #D004090–15

Ground Water Potentiometric Surface
December 2004
Dambrose Cleaners

FILE NO. 34253.002.001
October 2005

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 5–2



LEGEND

Direction of Ground Water Flow

MW-8 / 184.62 Monitoring Well w/ ground water elevation

190 Ground Water Elevation Contour

NYSDEC
State Superfund
Standby Contract
WA #D004090–15

Ground Water
Potentiometric
Surface
February 2005
Dambrose Cleaners

FILE NO. 34253.002.001
September 2005

O'BRIEN & GERE
ENGINEERS, INC.

FIGURE 6–1

NORTH

GWS-13
PCE 0.5 ug/L (J)

GWS-8
cis-1,2-DCE 5 ug/L
VC 1 ug/L

MW-7
Chloroethane 0.7 ug/L (J)
cis-1,2-DCE 5 ug/L
VC 5 ug/L (J)

GWS-10
PCE 7 ug/L
TCE 5 ug/L
cis-1,2-DCE 13 ug/L

MW-2
PCE 640 ug/L
TCE 54 ug/L
cis-1,2-DCE 56 ug/L

MW-1
TCE 0.9 ug/L (J)
cis-1,2-DCE 45 ug/L
VC 110 ug/L

MW-6
PCE 5 ug/L
TCE 6 ug/L
cis-1,2-DCE 70 ug/L
VC 0.7 ug/L (J)

MW-4
PCE 10 ug/L
TCE 4 ug/L (J)
cis-1,2-DCE 21 ug/L
trans-1,2-DCE 0.7 ug/L (J)
VC 9 ug/L

HATTIE STREET
VAN VRANKEN AVENUE
CARRIE STREET
NOTT STREET

602 606 610 614 618 622 626
1534-36 1530-32 1526-28 1522-24
1529 1523 1517 1513 1505
603 607 611 615 619 623 627 631

MW-9 MW-11 MW-10 MW-7 MW-8 MW-2 MW-6 MW-4 MW-1 MW-5 MW-3

GWS-13 GWS-14 GWS-15 GWS-9 GWS-11 GWS-8 GWS-10 GWS-12 GWS-2 GWS-3 GWS-16 GWS-1 GWS-5 GWS-7 GWS-4 GWS-6

0 25 50 100 150 200
FEET

LEGEND

Ground Water Monitoring Well

Ground Water Screening Pt

PCE: Tetrachloroethene
DCE: Dichloroethene
TCE: Trichloroethene
VC: Vinyl Chloride

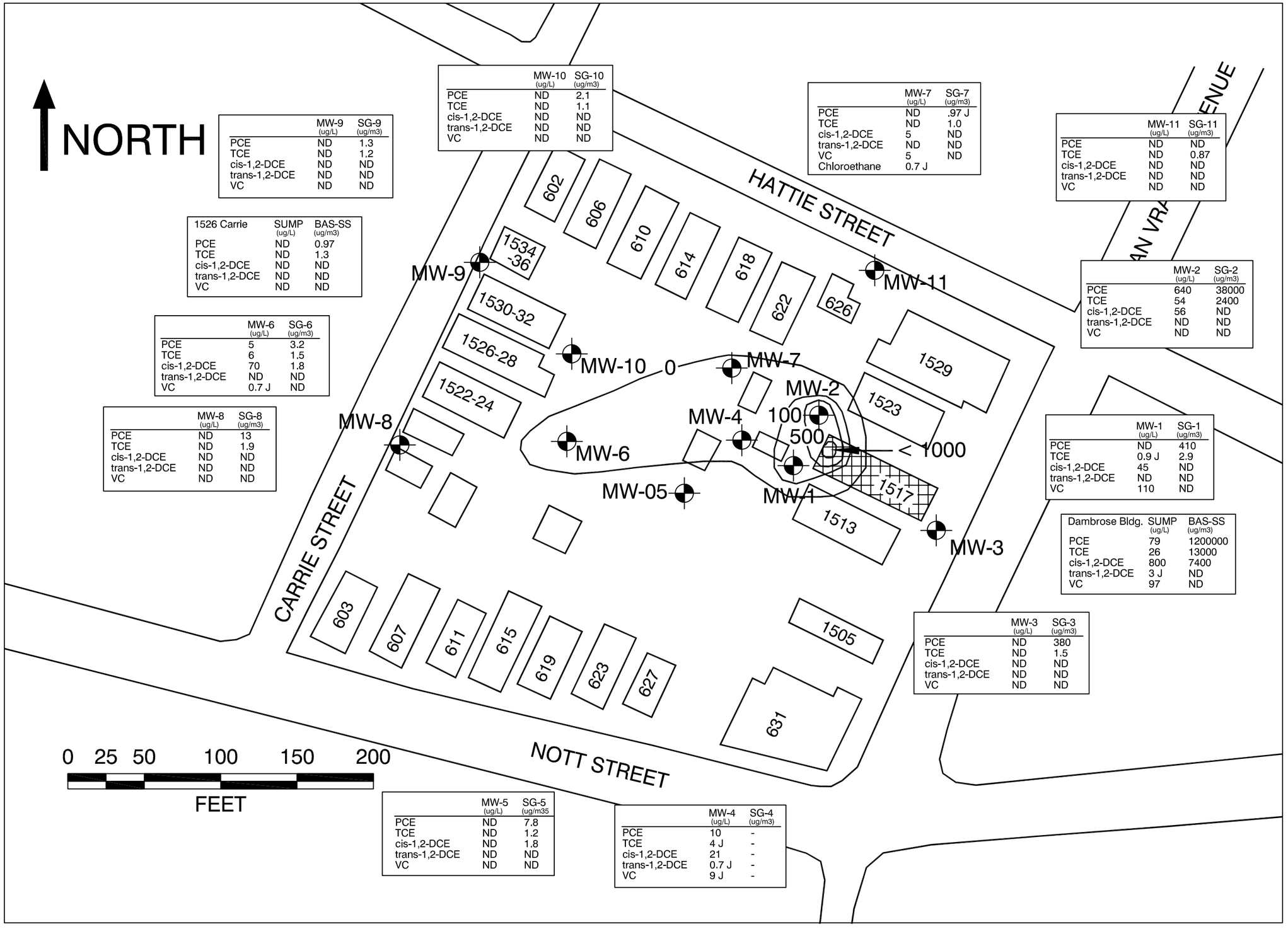
NYSDEC
State Superfund
Standby Contract
WA #D004090–15

Ground Water Screening (9/2004) and Sampling (12/2004) Results
Dambrose Cleaners

FILE NO. 34253.002.001
September 2005

O'BRIEN & GERE
ENGINEERS, INC.

FIGURE 8–1



	MW-9 (ug/L)	SG-9 (ug/m3)
PCE	ND	1.3
TCE	ND	1.2
cis-1,2-DCE	ND	ND
trans-1,2-DCE	ND	ND
VC	ND	ND

	MW-10 (ug/L)	SG-10 (ug/m3)
PCE	ND	2.1
TCE	ND	1.1
cis-1,2-DCE	ND	ND
trans-1,2-DCE	ND	ND
VC	ND	ND

	MW-7 (ug/L)	SG-7 (ug/m3)
PCE	ND	.97 J
TCE	ND	1.0
cis-1,2-DCE	5	ND
trans-1,2-DCE	ND	ND
VC	5	ND
Chloroethane	0.7 J	

	MW-11 (ug/L)	SG-11 (ug/m3)
PCE	ND	ND
TCE	ND	0.87
cis-1,2-DCE	ND	ND
trans-1,2-DCE	ND	ND
VC	ND	ND

1526 Carrie	SUMP (ug/L)	BAS-SS (ug/m3)
PCE	ND	0.97
TCE	ND	1.3
cis-1,2-DCE	ND	ND
trans-1,2-DCE	ND	ND
VC	ND	ND

	MW-2 (ug/L)	SG-2 (ug/m3)
PCE	640	38000
TCE	54	2400
cis-1,2-DCE	56	ND
trans-1,2-DCE	ND	ND
VC	ND	ND

	MW-6 (ug/L)	SG-6 (ug/m3)
PCE	5	3.2
TCE	6	1.5
cis-1,2-DCE	70	1.8
trans-1,2-DCE	ND	ND
VC	0.7 J	ND

	MW-8 (ug/L)	SG-8 (ug/m3)
PCE	ND	13
TCE	ND	1.9
cis-1,2-DCE	ND	ND
trans-1,2-DCE	ND	ND
VC	ND	ND

	MW-1 (ug/L)	SG-1 (ug/m3)
PCE	ND	410
TCE	0.9 J	2.9
cis-1,2-DCE	45	ND
trans-1,2-DCE	ND	ND
VC	110	ND

Dambrose Bldg.	SUMP (ug/L)	BAS-SS (ug/m3)
PCE	79	1200000
TCE	26	13000
cis-1,2-DCE	800	7400
trans-1,2-DCE	3 J	ND
VC	97	ND

	MW-3 (ug/L)	SG-3 (ug/m3)
PCE	ND	380
TCE	ND	1.5
cis-1,2-DCE	ND	ND
trans-1,2-DCE	ND	ND
VC	ND	ND

	MW-5 (ug/L)	SG-5 (ug/m35
PCE	ND	7.8
TCE	ND	1.2
cis-1,2-DCE	ND	1.8
trans-1,2-DCE	ND	ND
VC	ND	ND

	MW-4 (ug/L)	SG-4 (ug/m3)
PCE	10	-
TCE	4 J	-
cis-1,2-DCE	21	-
trans-1,2-DCE	0.7 J	-
VC	9 J	-

LEGEND

Ground Water Monitoring Well and Soil Gas Sampling Point

Contoured Total VOC Concentration

NYSDEC
State Superfund
Standby Contract
WA #D004090–15

Soil Gas & Ground Water Sampling Results
December 2004
Dambrose Cleaners

FILE NO. 34253.002.001
October 2005

O'BRIEN & GERE
ENGINEERS, INC.

Appendices

Appendix A

Soil Boring Logs

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-5

PROJECT: Dambrose Cleaners					SHEET 1 OF 2	
CLIENT: NYSDEC					JOB NO.	34253.002.001
DRILLING CONTRACTOR: Zebra					MEAS. PT. ELEV.	197.76
PURPOSE: Monitoring Well Installation					GROUND ELEV.	197.9
DRILLING METHOD: Direct Push		SAMPLE	CORE	CASING	DATUM	NYS-1927
DRILL RIG TYPE: Geoprobe	TYPE	macro core	NA	NA	DATE STARTED	9/24/04
GROUND WATER DEPTH: 5.24	DIA.	1.5"	NA	NA	DATE FINISHED	9/24/04
MEASURING POINT: PVC	WEIGHT	NA			DRILLER	Will McAllester
DATE OF MEASUREMENT: 12/15/04	FALL	NA			INSPECTOR	Jennifer Warnicke

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration/ Recovery	Unified Classi-fication	GEOLOGIC DESCRIPTION	REMARKS
					Grass, Top Soil 0.2'	
1	S-1		3.0'/ 4.0'	SW	Br f m S, a $, brks, cbls, cndrs, misc dbr Brown fine medium SAND, and Silt, bricks, cobbles, cinders, miscellaneous debris	Fill Loose, Dry
2						
3						
4	S-2		3.4'/ 4.0'			
5					5.5'	
6				ML	LtBr C&$, frq sms $&C, mtld RdBr Light Brown CLAY and SILT, frequent seams Silt and Clay, mottled Red Brown	Glaciolacustrine Tight, Moist M. Soft
7						
8	S-3		3.2'/ 4.0'	ML	Same;	Tight, Moist M. Soft
9						
10						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-5

PROJECT: Dambrose Cleaners

SHEET 2 OF 2

CLIENT: NYSDEC

JOB NO. 34253.002.001

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classi-fication	GEOLOGIC DESCRIPTION	REMARKS
11	S-3			ML	LtBr C&$, frq sms $&C, mtld RdBr	Tight, Soft Very Moist
12					12.0'	
13	S-4		2.9'/ 4.0'	CL	Lt Br $yC, s f m S, frq pkt $ Light Brown, Silty CLAY, some fine medium Sand, frequent pockets silt	Wet @ 13.0'
14					14.8'	
15				CL	Gr $yC, occ sms $&C Gray Silty CLAY, occasional seam, Silt & Clay	Tight, Hard Moist
16					16.0'	
17					End of Boring	
18						
19						
20						
21						
22						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-6

PROJECT: Dambrose Cleaners						SHEET 1 OF 2	
CLIENT: NYSDEC						JOB NO.	34253.002.001
DRILLING CONTRACTOR: Zebra						MEAS. PT. ELEV.	191.10
PURPOSE: Monitoring Well Installation						GROUND ELEV.	191.2
DRILLING METHOD: Direct Push			SAMPLE	CORE	CASING	DATUM	NYS-1927
DRILL RIG TYPE: Geoprobe		TYPE	macro core	NA	NA	DATE STARTED	12/1/04
GROUND WATER DEPTH: 5.28		DIA.	1.5"	NA	NA	DATE FINISHED	12/1/04
MEASURING POINT: PVC		WEIGHT	NA			DRILLER	Will McAllester
DATE OF MEASUREMENT: 12/15/04		FALL	NA			INSPECTOR	Jennifer Warnicke

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration/Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
1	S-1		3.0'/ 4.0'	SM	Br-GrBr $, a m f S, rts	Dry Loose
2						
3					3.5'	Fill
4				SM	BrBk $, a f m c S, coal, cndrs Brownish Black SILT, and fine medium coarse Sand; coal cinders	Damp Loose
5						
6	S-2		2.9'/ 4.0'		6.0'	
7				ML	LtBr $&C, frq pkt f S, mtld RdBr Light Brown SILT and CLAY, frequent pocket fine Sand, mottled Reddish Brown	Glaciolacustrine Moist, Soft
8					8.0'	
9	S-3		4.0'/ 4.0'	ML	LtBr $&C, occ seam m G, occ pkt f S, mtld RdBr	Very Moist, Soft
					9.0'	
10				CL	RdBr C&$, frq seam $, mtld Br	Very Moist, Soft

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-6

PROJECT: Dambrose Cleaners

SHEET 2 OF 2

CLIENT: NYSDEC

JOB NO. 34253.002.001

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classi-fication	GEOLOGIC DESCRIPTION	REMARKS
11	S-3			CL	RdBr C&$, frq seam $, mtld Br Reddish Brown CLAY and SILT, frequent seam Silt, mottled Brown	Hard, Dry
12	S-4		1.0'/ 1.0'		12.5'	Soft, Wet
13				CL	Gr C&$, Sh frag Gray CLAY and Silt, shale fragments 13.0'	Very Soft, Very Moist
					End of Boring	Geoprobe Refusal
14						
15						
16						
17						
18						
19						
20						
21						
22						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-7

PROJECT: Dambrose Cleaners					SHEET 1 OF 2	
CLIENT: NYSDEC					JOB NO.	34253.002.001
DRILLING CONTRACTOR: Zebra					MEAS. PT. ELEV.	195.04
PURPOSE: Monitoring Well Installation					GROUND ELEV.	195.0
DRILLING METHOD: Direct Push		SAMPLE	CORE	CASING	DATUM	NYS-1927
DRILL RIG TYPE: Geoprobe	TYPE	macro core	NA	NA	DATE STARTED	12/1/04
GROUND WATER DEPTH: 2.81	DIA.	1.5"	NA	NA	DATE FINISHED	12/1/04
MEASURING POINT: PVC	WEIGHT	NA			DRILLER	Will McAllester
DATE OF MEASUREMENT: 12/15/04	FALL	NA			INSPECTOR	Jennifer Warnicke

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration/Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
1	S-1		2.5'/ 4.0'	SM	Gr $, s m f S, l $yC, rk frag, coal, brk Gray SILT some medium fine Sand, little silty clay, rock fragments, coal, brick	Fill Damp, Loose
2					2.8'	
3				SM	Br Cy$, s m f S, l f G, mtld Gr Brown Clayey SILT, some medium fine Sand, little fine gravel, mottled Gray	Glaciolacustrine Very Damp, Firm
4						
5	S-2		0.0'/ 4.0'			No Recovery
6						
7						
8					8.0'	
8	S-3		4.0'/ 4.0'	ML	Br Cy$, s m f S	Wet, slightly loose
9					9.0'	
9				ML	Gr $&C, s f S, mtld Br	Very Damp, Firm
10					10.0'	

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-7

PROJECT: Dambrose Cleaners

SHEET 2 OF 2

CLIENT: NYSDEC

JOB NO. 34253.002.001

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classi-fication	GEOLOGIC DESCRIPTION	REMARKS
11	S-3			ML	Gr $&C, s f m S, s f m G, mtld Br Gray SILT and CLAY, some fine medium Sand, some fine medium gravel, mottled Brown	Glacial Till Moist to Dry Firm to Very Hard
12					12.0'	
13	S-4		4.0'/ 4.0'	ML	GrBr $&C, a f m S, l(-) m G	Weathered Wet, Soft
14					14.3'	Dry, Hard @ 14.0'
15				CL	Br C&$, a m f S, s f m G, mtld Gr	Dry, Hard
16					16.0'	Shale Fragments in shoe
16					End of Boring	
17						
18						
19						
20						
21						
22						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-8

PROJECT: Dambrose Cleaners					SHEET 1 OF 2	
CLIENT: NYSDEC					JOB NO.	34253.002.001
DRILLING CONTRACTOR: Zebra					MEAS. PT. ELEV.	190.43
PURPOSE: Monitoring Well Installation					GROUND ELEV.	190.5
DRILLING METHOD: Direct Push		SAMPLE	CORE	CASING	DATUM	NYS-1927
DRILL RIG TYPE: Geoprobe	TYPE	macro core	NA	NA	DATE STARTED	12/1/04
GROUND WATER DEPTH: 5.81	DIA.	1.5"	NA	NA	DATE FINISHED	12/1/04
MEASURING POINT: PVC	WEIGHT	NA			DRILLER	Will McAllester
DATE OF MEASUREMENT: 12/15/04	FALL	NA			INSPECTOR	Jennifer Warnicke

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration/ Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
1	S-1		2.7'/ 4.0'	SM	Bk-DkBr $, a m f S, s G, rts	Dry, Loose
2					2.0'	Fill
				SP	Br m S, brks, cndrs	Dry, Loose
3					Brown Medium SAND, bricks, cinders	
					3.5'	
				SW	DkGr f m c S, coal, G	Dry, Loose
4					4.0'	
	S-2		3.2'/ 4.0'	SW	DkGr f m c S, s Br $&C, coal, G	Damp, Loose
5						
6					6.0'	
				ML	Br-Gr Cy$, s f m S, l m f G	Glaciolacustrine Very Damp, Soft
7						
8					8.0'	
9	S-3		2.0'/ 4.0'	CL	Br C&$, s f m S, mtld Gr	Dry, Very Hard
					Brown CLAY and SILT, some fine medium Sand, mottled Gray	
10						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-8

PROJECT: Dambrose Cleaners

SHEET 2 OF 2

CLIENT: NYSDEC

JOB NO. 34253.002.001

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classi-fication	GEOLOGIC DESCRIPTION	REMARKS
11	S-3			CL	Br C&$, s f m S, mtld Gr Brown CLAY and SILT, some fine medium Sand, mottled Gray	Dry, Very Hard
12					12.0'	
13	S-4		4.0'/ 4.0'	CL	Gr $yC, frg pkt f S, a $ Gray Silty CLAY, frequent pockets, fine Sand and silt	Wet, Very Soft
14						
15						Firm @ 15.0'
16					16.0' End of Boring	
17						
18						
19						
20						
21						
22						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-9

PROJECT: Dambrose Cleaners					SHEET 1 OF 2	
CLIENT: NYSDEC					JOB NO.	34253.002.001
DRILLING CONTRACTOR: Zebra					MEAS. PT. ELEV.	190.99
PURPOSE: Monitoring Well Installation					GROUND ELEV.	191.2
DRILLING METHOD: Direct Push		SAMPLE	CORE	CASING	DATUM	NYS-1927
DRILL RIG TYPE: Geoprobe	TYPE	macro core	NA	NA	DATE STARTED	12/1/04
GROUND WATER DEPTH: 5.21	DIA.	1.5"	NA	NA	DATE FINISHED	12/1/04
MEASURING POINT: PVC	WEIGHT	NA			DRILLER	Will McAllester
DATE OF MEASUREMENT: 12/15/04	FALL	NA			INSPECTOR	Jennifer Warnicke

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration/ Recovery	Unified Classi-fication	GEOLOGIC DESCRIPTION	REMARKS
1					Asphalt 1.0'	
2	S-1		3.4'/ 4.0'	SP	Or-Br f S, s $, l f m G Orange Brown fine SAND, some Silt, little fine meduim gravel 2.0'	Fill Very Damp, Loose
3				SM	Or-Br Cy$, s f m S, occ seam f S 4.0'	Damp, Tight Reworked Soil
4						Glaciolacustrine
5	S-2		3.8'/ 4.0'	ML	Or-Br $&C, frq seam f S, mtld Br Orange Brown SILT and CLAY, frequent seam fine Sand, mottled Brown	Damp, Firm
6						
7						Very Damp, Soft @ 6.5'
8						
9	S-3		4.0'/ 4.0'	ML	Same;	Wet, Soft
10						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-9

PROJECT: Dambrose Cleaners

SHEET 2 OF 2

CLIENT: NYSDEC

JOB NO. 34253.002.001

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classi-fication	GEOLOGIC DESCRIPTION	REMARKS
11	S-3			ML	Or-Br $&C, frq seam f S, mtld Br Orange Brown SILT and CLAY, frequent seam fine Sand, mottled Brown	Very Damp, Soft
12						
13	S-4		4.0'/ 4.0'	ML	Same;	Damp, M. Firm
14						
15					15.5'	Wet, Soft @ 14.5'
				CL	Gr $yC, Sh frag Gray Silty CLAY, Shale fragments 16.0'	Dry, Firm
16					End of Boring	
17						
18						
19						
20						
21						
22						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-10

PROJECT: Dambrose Cleaners					SHEET 1 OF 2	
CLIENT: NYSDEC					JOB NO.	34253.002.001
DRILLING CONTRACTOR: Zebra					MEAS. PT. ELEV.	191.17
PURPOSE: Monitoring Well Installation					GROUND ELEV.	191.3
DRILLING METHOD: Direct Push		SAMPLE	CORE	CASING	DATUM	NYS-1927
DRILL RIG TYPE: Geoprobe	TYPE	macro core	NA	NA	DATE STARTED	12/2/04
GROUND WATER DEPTH: 4.97	DIA.	1.5"	NA	NA	DATE FINISHED	12/2/04
MEASURING POINT: PVC	WEIGHT	NA			DRILLER	Will McAllester
DATE OF MEASUREMENT: 12/15/04	FALL	NA			INSPECTOR	Jennifer Warnicke

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration/ Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
1	S-1		2.2'/ 3.0'	SM	BrGr $, a f m S, l f G, roots, o 0.9'	Loose, Damp
2				SM	Br Cy$, a f S, s f m G, l m S, mtld Gr <u>Brown Clayey SILT, and fine Sand, some fine medium gravel, little medium Sand, mottled Gray</u>	Damp, Slightly Firm
3						
4	S-2		2.3'/ 3.0'	SM	Same; 4.0'	Reworked Soil
				GM	BrGr f m(-) S, Cy$, s f G, rk frag	Wet @ 5.5' Slightly Firm
5						
6				GM	Same, mtld Gr 6.5'	Very Saturated
7	S-3		3.0'/ 3.0'	ML	Gr $&C, s f m S, occ pkt m S, mtld Br <u>Gray SILT and CLAY, some fine medium Sand, occasional pocket medium sand, mottled Brown</u>	Glaciolacustrine Very Damp to Damp Slightly firm
8						
9					9.0'	
10	S-4		2.0'/ 2.0'	CL	Gr $yC, s f m S, t rk frag <u>Gray Silty CLAY, some fine medium Sand, trace rock fragments</u>	Wet, Lightly Compact Loose Shale Chips

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-10

PROJECT: Dambrose Cleaners

SHEET 2 OF 2

CLIENT: NYSDEC

JOB NO. 34253.002.001

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classi-fication	GEOLOGIC DESCRIPTION	REMARKS
	S-4			CL	Gr $yC, s f m S, t rk frag Gray Silty CLAY, some fine medium Sand, trace rock fragments 11.0'	Wet, Lightly Compact Loose Shale Chips in Shoe
11					End of Boring	Geoprobe Refusal
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-11

PROJECT: Dambrose Cleaners					SHEET 1 OF 2	
CLIENT: NYSDEC					JOB NO.	34253.002.001
DRILLING CONTRACTOR: Zebra					MEAS. PT. ELEV.	200.13
PURPOSE: Monitoring Well Installation					GROUND ELEV.	200.2
DRILLING METHOD: Direct Push		SAMPLE	CORE	CASING	DATUM	NYS-1927
DRILL RIG TYPE: Geoprobe	TYPE	macro core	NA	NA	DATE STARTED	12/1/04
GROUND WATER DEPTH: 5.68	DIA.	1.5"	NA	NA	DATE FINISHED	12/1/04
MEASURING POINT: PVC	WEIGHT	NA			DRILLER	Will McAllester
DATE OF MEASUREMENT: 12/15/04	FALL	NA			INSPECTOR	Jennifer Warnicke

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration/ Recovery	Unified Classi-fication	GEOLOGIC DESCRIPTION	REMARKS
1				SM	DkBr $, a f m S, s m G 1.0'	Dry, Loose
2	S-1		2.0'/ 4.0'	SW	Br f m S, s $, a f m G <u>Brown fine medium SAND, some Silt, and fine medium gravel</u>	Reworked Soil Damp, Loose
3						
4					4.0'	
5	S-2		4.0'/ 4.0'	CL	Br $yC, frq seam $, mtld Gr <u>Brown Silty CLAY, frequent Seam Silt, mottled Gray</u>	Glaciolacustrine Damp, Firm
6						
7						Very Damp, Soft @ 6.5'
8					8.0'	
9			4.0'/ 4.0'	CL	Br $yC a f m S, s m G <u>Brown Silty CLAY, and fine medium Sand, some medium gravel</u> 9.5'	Glacial Till Weathered Wet, Soft
10				CL	Br $yC, frq seam $, occ seam m c S	Wet, Soft

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. MW-11

PROJECT: Dambrose Cleaners

SHEET 2 OF 2

CLIENT: NYSDEC

JOB NO. 34253.002.001

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classi-fication	GEOLOGIC DESCRIPTION	REMARKS
11	S-3			CL	Br $yC, frq seam $, occ seam m c S Brown Silty CLAY, frequent seam Silt, occasional seam medium coarse sand	Damp, Firm
12					12.0'	
13			2.0'/ 3.0'	CL	Gr $yC, occ seam Br f S Gray Silty CLAY, occasional seam Brown fine Sand	Wet, Soft Damp, Firm @ 13.5'
14						
15					15.0' End of Boring	Weatherd Shale in shoe Geoprobe Refusal
16						
17						
18						
19						
20						
21						
22						

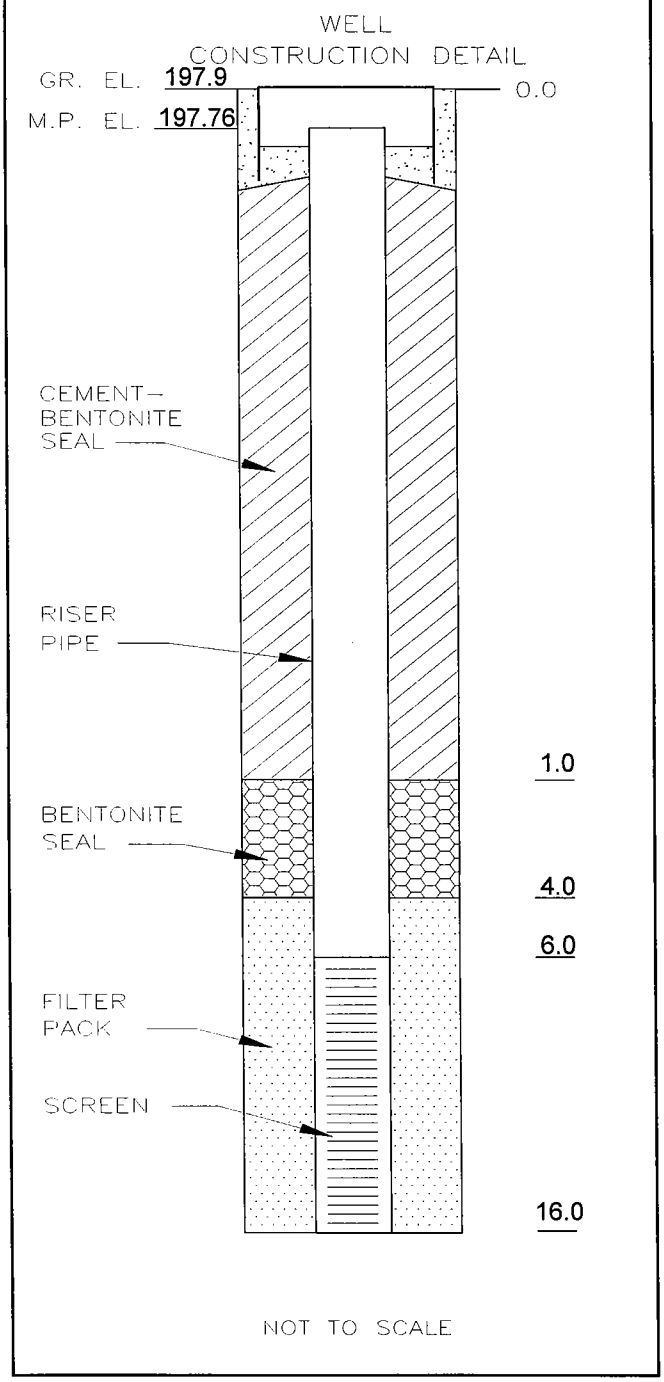
Appendix B

Well Completion Logs

WELL COMPLETION LOG

Well ID: MW-5

Project:	Dambrose Cleaners	**Client:**	NYSDEC
Location:	Schenectady, NY	**Date Drilled:**	9/24/04
Project No.:	34253.002.001	**Date Developed:**	12/8/04



Inspection Notes:

Inspector: Jennifer Warnicke
Drilling Contractor: Zebra
Type of Well: Monitoring

Static Water Level (ft bmp): 5.24 Date: 12/15/04
Measuring Point: PVC
Total Depth of Well (ft bmp): 15.90'

Drilling Method - Overburden:

Type: Direct Push Diameter: 2.0"
Casing: Steel

Sampling Method - Overburden:

Type: Macro Core Diameter: 1.5"
Weight: NA Fall: NA
Interval: 4.0'

Riser Pipe Left in Place:

Material: PVC Diameter: 1.0"
Length: 5.9' Joint Type Flush

Screen:

Material: PVC Diameter: 1.0"
Slot Size 0.010" Joint Type Flush

Filter Pack:

Type: Sand Grade: #0 Morie
Interval: 4.0-16.0'

Seal(s):

Type: Bentonite Interval: 1.0-4.0'
Type: Interval:
Type: Interval:

Locking Casing: ☐ Yes ☒ No

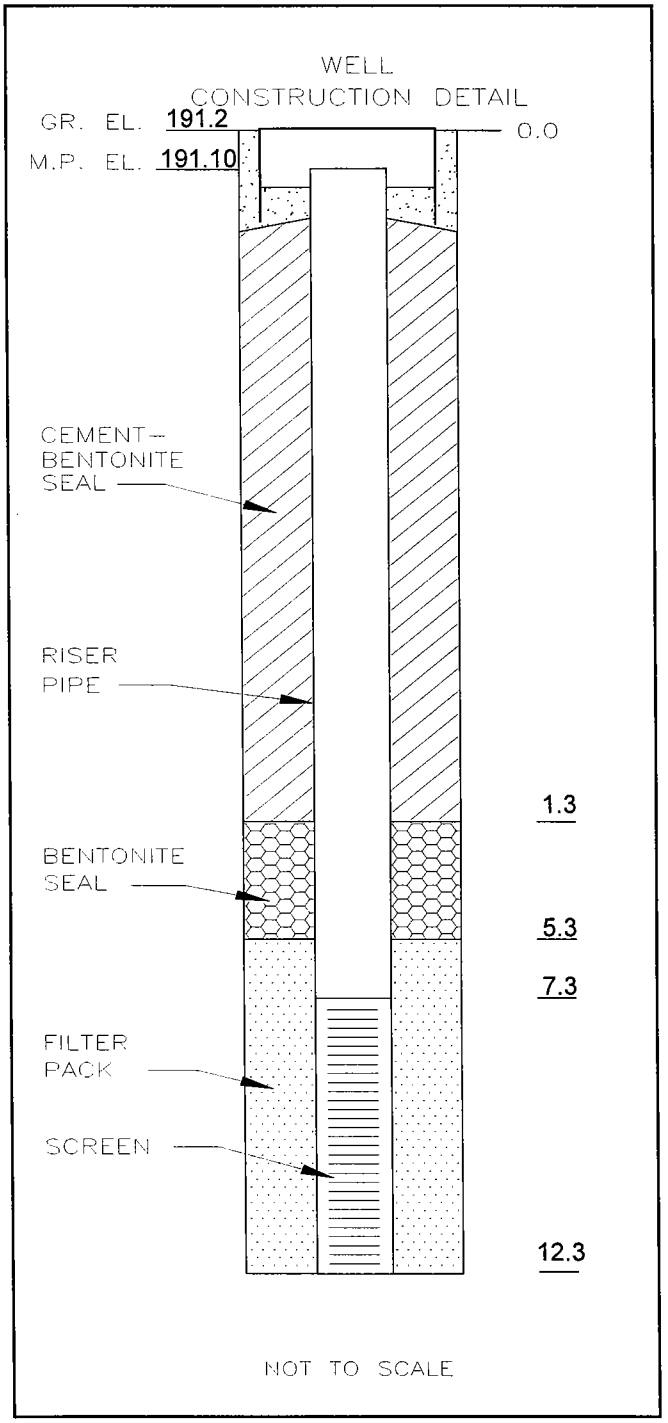
O'BRIEN & GERE ENGINEERS, INC.

Form 006

WELL COMPLETION LOG

Well ID: MW-6

Project:	Dambrose Cleaners	**Client:**	NYSDEC
Location:	Schenectady, NY	**Date Drilled:**	12/1/04
Project No.:	34253.002.001	**Date Developed:**	12/8/04 & 12/9/04



Inspection Notes:

Inspector: Jennifer Warnicke
Drilling Contractor: Zebra
Type of Well: Monitoring

Static Water Level (ft bmp): 5.28 Date: 12/15/04
Measuring Point: PVC
Total Depth of Well (ft bmp): 12.19'

Drilling Method - Overburden:

Type: Direct Push Diameter: 2.0"
Casing: Steel

Sampling Method - Overburden:

Type: Macro Core Diameter: 1.5"
Weight: NA Fall: NA
Interval: 4.0'

Riser Pipe Left in Place:

Material: PVC Diameter: 1.0"
Length: 7.2' Joint Type Flush

Screen:

Material: PVC Diameter: 1.0"
Slot Size 0.010" Joint Type Flush

Filter Pack:

Type: Sand Grade: #0 Morie
Interval: 5.3-12.3'

Seal(s):

Type: Bentonite Interval: 1.3-5.3'
Type: Interval:
Type: Interval:

Locking Casing: ☐ Yes ☒ No

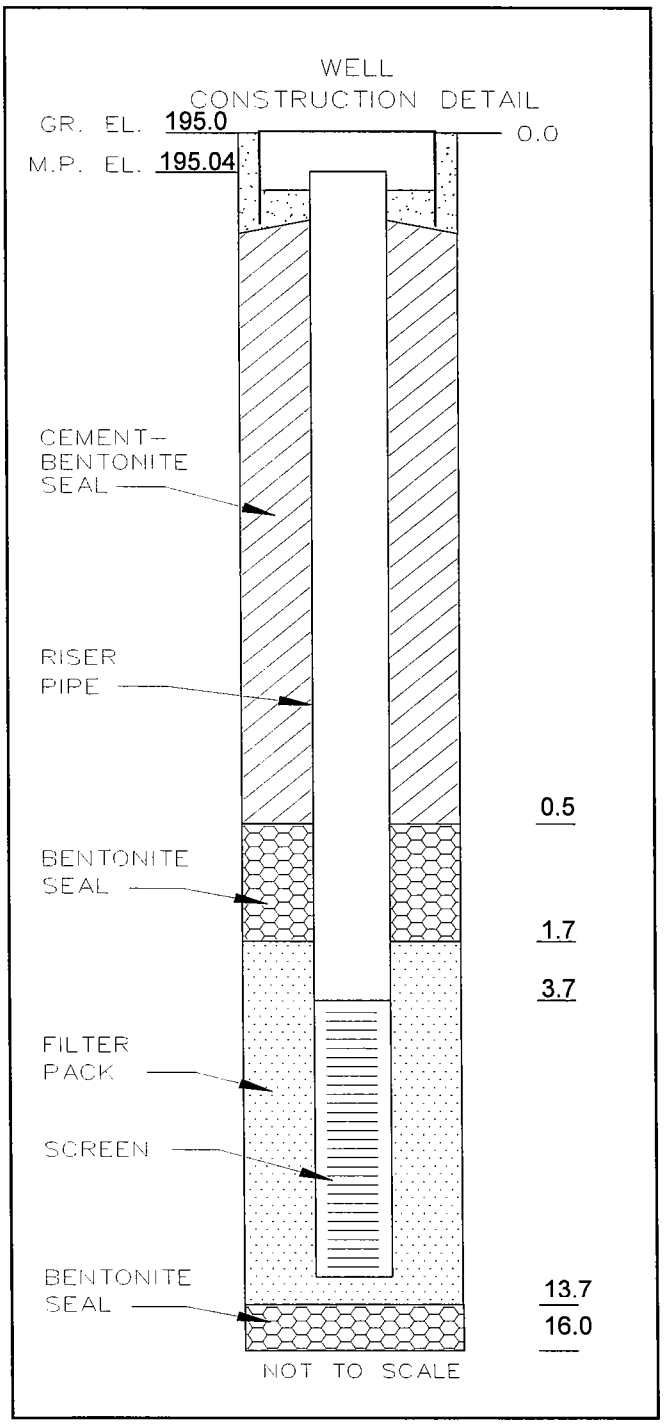
O'BRIEN & GERE ENGINEERS, INC.

Form 006

WELL COMPLETION LOG

Well ID: MW-7

Project:	Dambrose Cleaners	**Client:**	NYSDEC
Location:	Schenectady, NY	**Date Drilled:**	12/1/04
Project No.:	34253.002.001	**Date Developed:**	12/3/04 & 12/9/04



Inspection Notes:

Inspector: Jennifer Warnicke
Drilling Contractor: Zebra
Type of Well: Monitoring

Static Water Level (ft bmp): 2.81 Date: 12/15/04
Measuring Point: PVC
Total Depth of Well (ft bmp): 13.69'

Drilling Method - Overburden:

Type: Direct Push Diameter: 2.0"
Casing: Steel

Sampling Method - Overburden:

Type: Macro Core Diameter: 1.5"
Weight: NA Fall: NA
Interval: 4.0'

Riser Pipe Left in Place:

Material: PVC Diameter: 1.0"
Length: 3.7' Joint Type Flush

Screen:

Material: PVC Diameter: 1.0"
Slot Size 0.010" Joint Type Flush

Filter Pack:

Type: Sand Grade: #0 Morie
Interval: 1.7-13.7'

Seal(s):

Type: Bentonite Interval: 0.5-1.7'
Type: Bentonite Interval: 13.7-16.0'
Type: Interval:

Locking Casing: ☐ Yes ☒ No

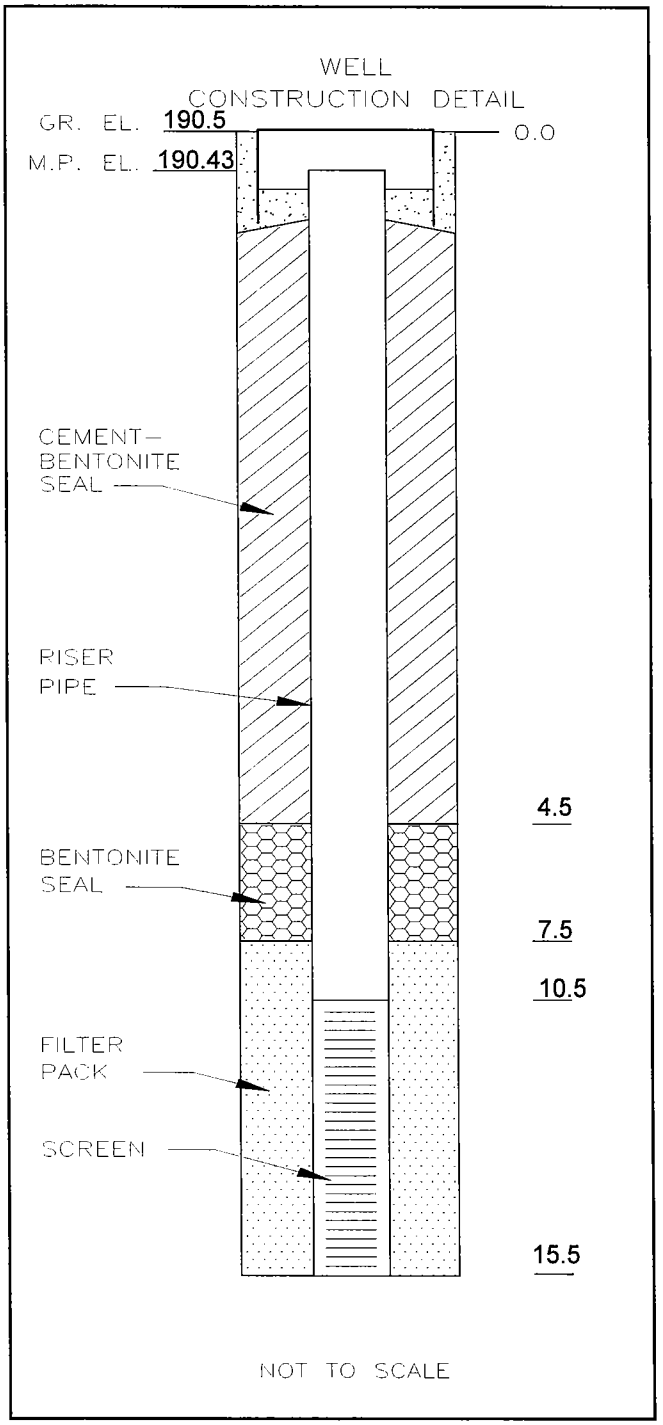
O'BRIEN & GERE ENGINEERS, INC.

Form 008

WELL COMPLETION LOG

Well ID: MW-8

Project:	Dambrose Cleaners	**Client:**	NYSDEC
Location:	Schenectady, NY	**Date Drilled:**	12/1/04
Project No.:	34253.002.001	**Date Developed:**	12/6/04



Inspection Notes:

Inspector: Jennifer Warnicke
Drilling Contractor: Zebra
Type of Well: Monitoring

Static Water Level (ft bmp): 5.81 Date: 12/15/04
Measuring Point: PVC
Total Depth of Well (ft bmp): 15.38

Drilling Method - Overburden:

Type: Direct Push Diameter: 2.0"
Casing: Steel

Sampling Method - Overburden:

Type: Macro Core Diameter: 2.0"
Weight: NA Fall: NA
Interval: 4.0'

Riser Pipe Left in Place:

Material: PVC Diameter: 1.0"
Length: 10.4' Joint Type Flush

Screen:

Material: PVC Diameter: 1.0"
Slot Size 0.010" Joint Type Flush

Filter Pack:

Type: Sand Grade: #0 Morie
Interval: 7.5-15.5'

Seal(s):

Type: Bentonite Interval: 4.5-7.5'
Type: Interval:
Type: Interval:

Locking Casing: ☐ Yes ☒ No

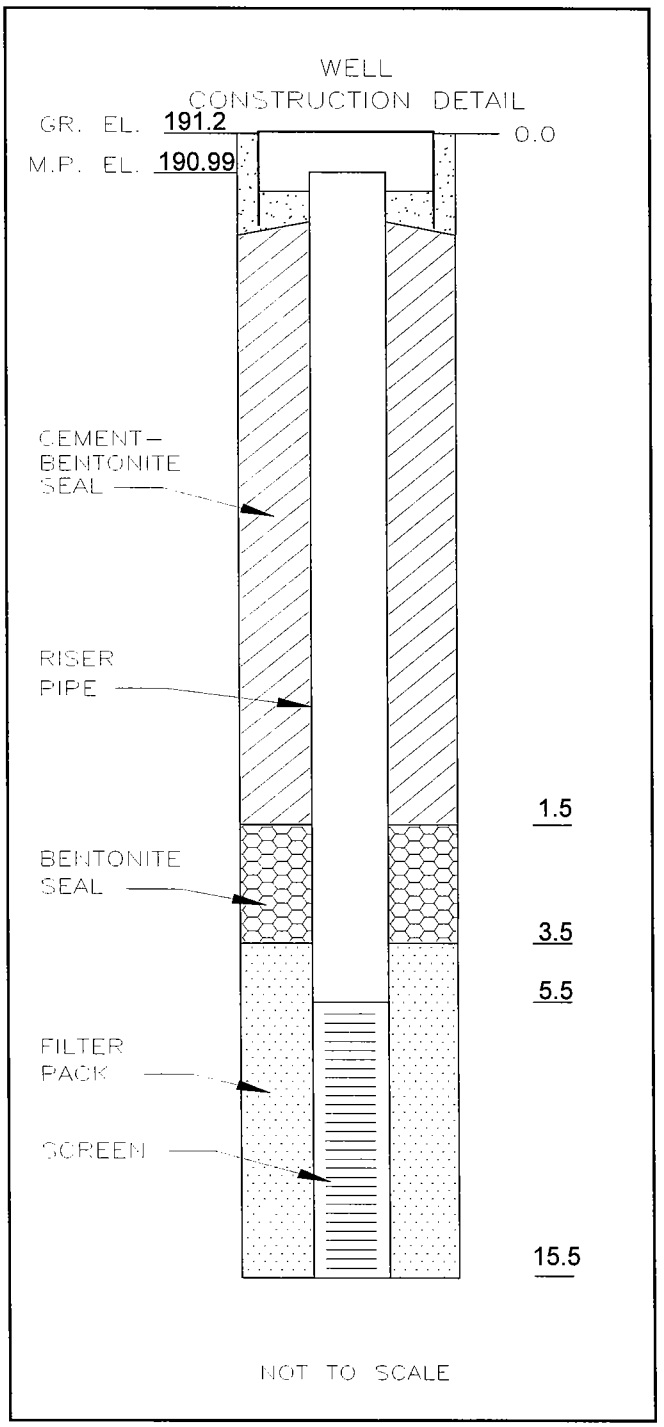
O'BRIEN & GERE ENGINEERS, INC.

Form 006

WELL COMPLETION LOG

Well ID: MW-9

Project:	Dambrose Cleaners	**Client:**	NYSDEC
Location:	Schenectady, NY	**Date Drilled:**	12/1/04
Project No.:	34253.002.001	**Date Developed:**	12/8/04



Inspection Notes:

Inspector: Jennifer Warnicke
Drilling Contractor: Zebra
Type of Well: Monitoring

Static Water Level (ft bmp): 5.21 Date: 12/15/04
Measuring Point: PVC
Total Depth of Well (ft bmp): 15.33

Drilling Method - Overburden:

Type: Direct Push Diameter: 2.0"
Casing: Steel

Sampling Method - Overburden:

Type: Macro Core Diameter: 2.0"
Weight: NA Fall: NA
Interval: 4.0'

Riser Pipe Left in Place:

Material: PVC Diameter: 1.0"
Length: 5.3' Joint Type Flush

Screen:

Material: PVC Diameter: 1.0"
Slot Size 0.010" Joint Type Flush

Filter Pack:

Type: Sand Grade: #0 Morie
Interval: 3.5-15.5'

Seal(s):

Type: Bentonite Interval: 1.5-3.5'
Type: Interval:
Type: Interval:

Locking Casing: ☐ Yes ☒ No

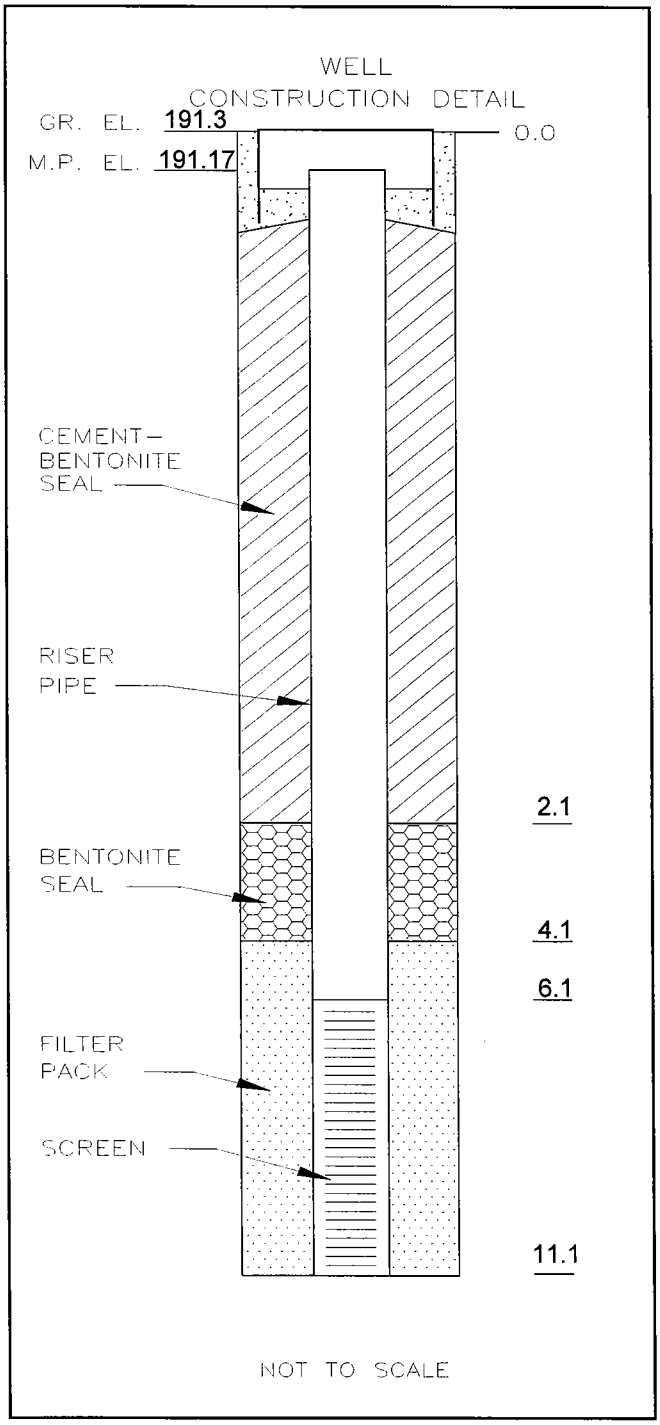
O'BRIEN & GERE ENGINEERS, INC.

Form 006

WELL COMPLETION LOG

Well ID: MW-10

Project:	Dambrose Cleaners	**Client:**	NYSDEC
Location:	Schenectady, NY	**Date Drilled:**	12/2/04
Project No.:	34253.002.001	**Date Developed:**	12/8/04



Inspection Notes:

Inspector: Jennifer Warnicke
Drilling Contractor: Zebra
Type of Well: Monitoring

Static Water Level (ft bmp): 4.97 Date: 12/15/04
Measuring Point: PVC
Total Depth of Well (ft bmp): 10.96'

Drilling Method - Overburden:

Type: Direct Push Diameter: 2.0"
Casing: Steel

Sampling Method - Overburden:

Type: Macro Core Diameter: 1.5"
Weight: NA Fall: NA
Interval: 3.0'

Riser Pipe Left in Place:

Material: PVC Diameter: 1.0"
Length: 6.0' Joint Type Flush

Screen:

Material: PVC Diameter: 1.0"
Slot Size 0.010" Joint Type Flush

Filter Pack:

Type: Sand Grade: #0 Morie
Interval: 4.1-11.1'

Seal(s):

Type: Bentonite Interval: 2.1-4.1'
Type: Interval:
Type: Interval:

Locking Casing: ☐ Yes ☒ No

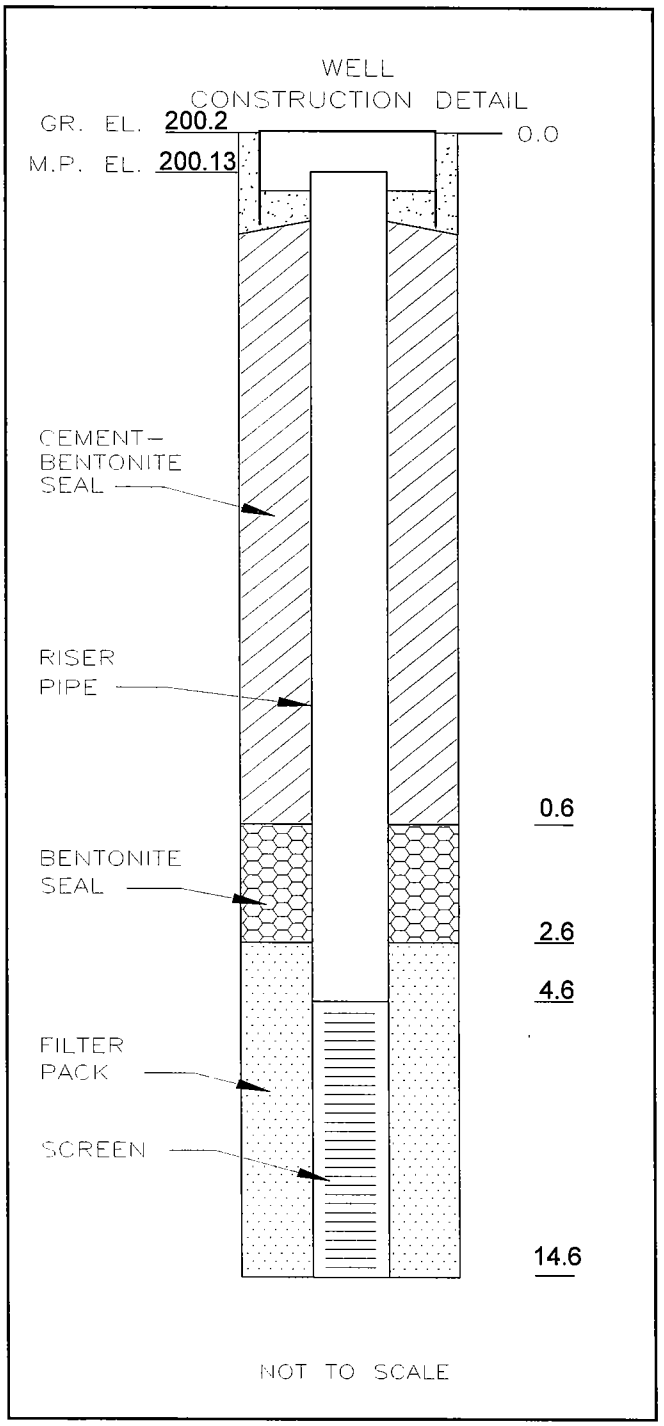
O'BRIEN & GERE ENGINEERS, INC.

Form 006

WELL COMPLETION LOG

Well ID: MW-11

Project:	Dambrose Cleaners	**Client:**	NYSDEC
Location:	Schenectady, NY	**Date Drilled:**	12/1/04
Project No.:	34253.002.001	**Date Developed:**	12/8/04



Inspection Notes:

Inspector: Jennifer Warnicke
Drilling Contractor: Zebra
Type of Well: Monitoring

Static Water Level (ft bmp): 5.63 Date: 12/15/04
Measuring Point: PVC
Total Depth of Well (ft bmp): 14.54

Drilling Method - Overburden:

Type: Direct Push Diameter: 2.0"
Casing: Steel

Sampling Method - Overburden:

Type: Macro Core Diameter: 1.5"
Weight: NA Fall: NA
Interval: 4.0'

Riser Pipe Left in Place:

Material: PVC Diameter: 1.0"
Length: 4.5' Joint Type Flush

Screen:

Material: PVC Diameter: 1.0"
Slot Size 0.010" Joint Type Flush

Filter Pack:

Type: Sand Grade: #0 Morie
Interval: 2.6-14.6'

Seal(s):

Type: Bentonite Interval: 0.6-2.6'
Type: Interval:
Type: Interval:

Locking Casing: ☐ Yes ☒ No

O'BRIEN & GERE ENGINEERS, INC.

Form 006

Appendix C

Indoor Air Quality Questionnaire and Building Inventory Form

DAMBROSE PRE-SAMPLING SURVEY - 10653/
34253

9/23/2004

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH ASSESSMENT
BUREAU OF TOXIC SUBSTANCE ASSESSMENT

INDOOR AIR SAMPLING & ANALYSIS GUIDANCE
August 8, 2001

SCOPE:

Air testing for specific chemical compounds can be performed to determine whether petroleum spills or other contaminant sources affect indoor air quality. This document provides guidance for preparing sites and collecting samples for laboratory analysis to ensure the integrity of the test results and allow for meaningful interpretation of the data.

Forms (attached) - Indoor Air Quality Questionnaire and Building Inventory Form
- Product Inventory Form

OBJECTIVE:

The purpose of this document is to outline the recommended procedure for testing indoor air for volatile organic chemicals (VOCs). The procedure includes pre-sampling inspection and preparation of homes, product inventories, collection of samples, analytical method selection.

1. Pre-sampling inspection and preparation of homes:

A pre-sampling inspection should be performed 2 or 3 days prior to testing (if possible) to evaluate the type of structure, floor layout and physical conditions of the building(s) being studied and to identify and minimize conditions that may affect or interfere with the proposed testing. This information along with information on sources of potential indoor contamination should be identified on the building inventory form. Portable organic vapor monitoring equipment (i.e. photoionization detectors (PIDs)) can be used to help evaluate potential interferences. Items to be included in the building inventory include use or storage of petroleum products including gasoline operated equipment, unvented kerosene heaters, recent use of petroleum based finishes or products containing petroleum distillates. Potential interferences should be corrected during the pre-sampling inspection. Removing the source from the indoor environment prior to testing is the most effective means of reducing the interference. Ensuring that containers are tightly sealed may be acceptable, but should be tested with a PID to demonstrate that the seal is tight. The inability to eliminate potential interference may be justification for not testing. Once these interfering conditions are corrected, aggressive ventilation may be needed prior to testing to eliminate residual contamination.

Any ventilation should be done twenty-four hours or more prior to the scheduled sampling time. If ventilation is deemed necessary, ventilate the house by opening windows and doors for at least 10 to 15 minutes. House ventilation should be avoided 24 hours prior to and during testing. During colder months, heating systems should be operating for at least twenty-four hours prior to the scheduled sampling time to maintain normal indoor temperatures above 65° F before and during sampling.

FOR 24 HOURS PRIOR TO SAMPLING, DO NOT

- open any windows, fireplace dampers, openings or vents,
- operate ventilation fans unless special arrangements are made,
- smoke in the house,
- paint,
- use wood stove, fireplace or other auxiliary heating equipment, (eg. kerosene heater),
- operate or store automobile in attached garage,
- allow containers of gasoline or oil to remain within the house or garage area, except for fuel oil tanks,
- clean, wax or polish furniture or floors with petroleum or oil-based products,

- use air fresheners or odor eliminators,
- engage in any hobbies which use materials containing volatile organic chemicals,
- use cosmetics: including hairspray, nail polish, nail polish removers, etc.
- apply pesticides.

2. Product Inventories:

Some household products contain volatile organic chemicals (VOCs) which can contribute to levels of VOCs in air. Products in buildings should be inventoried every time air is tested to provide an accurate assessment of the potential contribution of VOCs. Each room in the building should be inspected and products that contain VOCs should be listed on the Products Inventory Form along with PID readings obtained near the container. If available, the volatile ingredients should be recorded for each product. If the ingredients are not listed on the label, record the manufacturer's name and address or phone number if available.

3. Collection of Samples

To characterize contaminant concentration trends and potential exposures, air samples should be collected from the basement, first floor living space, and from outdoors. In settings with diurnal occupancy patterns such as schools and office buildings, samples should be collected during normally occupied periods to be representative of typical exposure. Sample collection intakes should be approximately three feet above the floor level to represent breathing zones. To ensure that air is representative of the locations sampled and to avoid undue influence from sampling personnel, samples should be collected for 2 to 8 hours, but at least a one-hour period and personnel should avoid lingering in the immediate area of the sampling device while samples are being collected. Sample collection techniques vary depending on the analytical method(s) being used and sample flow rates must conform to the specifications in the sample collection method. Some methods require collecting samples in duplicate. Sampling personnel should be completely familiar with the sampling protocol for the particular method being used.

a. Quality Assurance/Quality Control

Extreme care should be taken during all aspects of sample collection to ensure that high quality data are obtained. The laboratory should use only certified clean sample collection devices. The sampling team members should avoid actions which cause sample interference such as pumping gas prior to testing or using permanent marking pens in the field. Once samples are collected, they should be stored according to the method protocol and delivered to the analytical laboratory as soon as possible.
Samples should not exceed recommended holding times prior to being processed by the laboratory. Blanks should be submitted and analyzed with the samples to provide a quality check. Laboratory procedures for sample accession and chain of custody should be followed.

b. Sampling Information

Detailed information must be gathered at the time of sampling to document conditions during sampling to aid in interpretation of the test results. The information should be recorded on the building inventory form. Floor plan sketches should be drawn for each floor and should include the floor layout with sample locations, any chemical storage areas, garages, doorways, stairways, location of basement sumps and any other pertinent information including compass orientation (north). Outdoor plot sketches should include the building site, area streets, outdoor sample location, the location of potential interferences (such as gas stations, factories, lawn mowers), wind direction and magnetic orientation (north). In addition, any pertinent observations such as odors and PID readings should be recorded on the building inventory form and on associated sample accession forms.

The products inventory shall include those items discussed in Section 2.

c. Sample Analysis

New York State Law requires laboratories analyzing environmental samples from New York State to have current Environmental Laboratory Approval Program (ELAP) certification for certain contaminant categories and media (air, water, solid waste).

The goal of indoor air sampling is to evaluate exposure to VOCs by measuring levels low enough to compare to background indoor air levels. Therefore, the samples must be analyzed by methods that can achieve minimum detection limits of at least one part per billion (ppb) (1 to 7 micrograms per cubic meter (mcg/m3) depending on the molecular weight for each compound). Several analytical methods for VOCs in air are capable of achieving these detection limits including Environmental Protection Agency (EPA) Method TO-14A/TO-15 and EPA Method TO-l/TO-2. Prior to choosing an analytical method, the laboratory should verify they are capable of detecting target compounds.

Petroleum is a mixture of many individual compounds. Various petroleum products (i.e. gasoline, diesel, fuel oil) have different chemical constituents and specific aromatic and aliphatic compounds can be good indicators for individual petroleum products. Analytical methods using a mass spectrometer detector allow for the identification of aromatic and aliphatic hydrocarbons, and oxygenated compounds such as ethanol, acetone and methyl tertiary butyl ether (MTBE).

Target compounds for gasoline may include the aromatics: benzene, toluene, ethylbenzene and xylenes; C-4 to C-8 straight and branched aliphatics; and the oxygenate additive MTBE.

Target compounds for fuel oil may include the aromatics: benzene, toluene, ethylbenzene, xylenes, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-butylbenzene, sec- butylbenzene and tert-butylbenzene; and C-9 to C-12 straight and branched aliphatic hydrocarbons.

Sampling for other potential contaminants may involve different target compound(s) and different analytical methodology.

For additional information contact Mr. Gerry McDonald or Mr. Michael Hughes of the Bureau of Toxic Substance Assessment (518) 402-7810.

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH ASSESSMENT
BUREAU OF TOXIC SUBSTANCE ASSESSMENT

INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY

This form must be completed for each residence involved in indoor air testing.

Preparer's Name JF HUNT Date Prepared Sept 23, 2004

Preparer's Affiliation O'BRIEN & GERE Phone No. (315) 437-6100 x 2588

1. OCCUPANT

Name: UNION CLEANERS (AMBROSE SITE)

Address: 1517 VAN VRANKEN

SCHENECTADY

County:

Home Phone No. Office Phone No (518) 370-1859

2. OWNER OR LANDLORD: (if different than occupant)

Name: UNKNOWN

Address:

Phone No.

A. Building Construction Characteristics

Type (circle appropriate responses): Single Family (Multiple Dwelling) (Commercial)

Ranch	2-Family
Raised Ranch	Duplex
Split Level	Apartment House _____ Units
Colonial	Number of floors 2
Mobile Home	Other specify COMMERCIAL W/TWO APARTMENTS

Residence Age _____ General Description of Building Construction

Materials WOOD CONSTRUCTION (APPEARS TO BE CONVERTED FROM RESIDENTIAL)

Is the building insulated? Yes / No ?

How air tight is the building? FAIRLY TIGHT
SOME NEW WINDOWS

B. Basement construction characteristics (circle all that apply):

1. Full basement, crawlspace, slab on grade, other ___
2. Basement floor: concrete, dirt, other _____
3. Concrete floor: unsealed, painted, covered; with _____
4. Foundation walls: poured concrete, block, laid up stone, other _____
5. The basement is: wet, damp, dry_____ Sump present? y / n Yes Water in sump? y / n Yes
6. The basement is: finished, unfinished
7. Identify potential soil vapor entry points (e.g., cracks, utility ports etc.)
   NUMEROUS CRACKS & "COLD" JOINTS IN CONCRETE FLOOR
8. Describe how airtight the basement is:
   POORLEY SEALED WINDOWS W/ POLY SHEET COVERS
   → ALSO A 3' x 9' SECTION OF DIRT FLOOR
   - OPEN SUMP WITH STANDING WATER
   - EVIDENCE OF WATER ENTRY AT WALLS & FLOOR SEAM

C. HVAC (circle all that apply):

1. The type of heating system(s) used in this residence is/are:

Hot Air Circulation	Heat Pump
Hot Water Radiation	Unvented Kerosene Heater
Steam Radiation	Wood Stove
Electric Baseboard	Other (specify)_____

2. The type(s) of fuel(s) used is/are: Natural Gas, Fuel Oil, Electric, Wood, Coal, Solar, Other (specify) _____
   → [redacted] BOILER
   → DOMESTIC H.W.
3. Is the heating system's power plant located in the basement or another area:_____
4. Is there air-conditioning? Yes / No Central Air or Window Units?

   Specify the location NOT OBSERVED
5. Are their air distribution ducts present? Yes / No NA HOT WATER HEAT
6. Describe the supply and cold air return duct work in the basement including whether there is a cold air return, the tightness of duct joints
   NO DUCTS IN BASEMENT

D. Potential Indoor Sources of Pollution

1. ? Has the house ever had a fire? Yes / No NO EVIDENCE IN BASEMENT BUT BURNED SMELL NOTICED

2. Is there an attached garage? Yes (No)

3. Is a vehicle normally parked in the garage? Yes / No NA

4. Is there a kerosene heater present? Yes / (No)

5. Is there a workshop, hobby, craft area in the residence? (Yes) No SMALL WORK AREA WITH STORED PAINTS ETC.

6. An inventory of all products used or stored in the home should be performed. Any products that contain volatile organic compounds or chemicals similar to the target compounds should be listed. The attached product inventory form should be used for this purpose.

7. Is there a ~~kitchen~~ BATH exhaust fan? (Yes) / No Where is it vented? OUTSIDE ON SOUTH

8. ? Has the house ever been fumigated? If yes describe date, type and location of treatment. NOT REPORTED TO HAVE BEEN

E. Water and Sewage (Circle the appropriate response)

Source of Water

(Public Water) Drilled Well Driven Well Dug Well
Other (Specify)_____

Water Well Specifications:

Well Diameter_____ Grouted or Ungrouted_____
Well Depth_____ Type of Storage Tank_____
Depth to Bedrock_____ Size of Storage Tank_____
Feet of Casing_____ Describe type(s) of Treatment_____
_____

Water Quality:

Taste and/or odor problems? y / n If so, describe NA

How long has the taste and/or odor been present? NA

Sewage Disposal: (Public Sewer) Septic Tank Leach Field
Other (Specify)_____

Distance from well to septic system_____ Type of septic tank additive_____

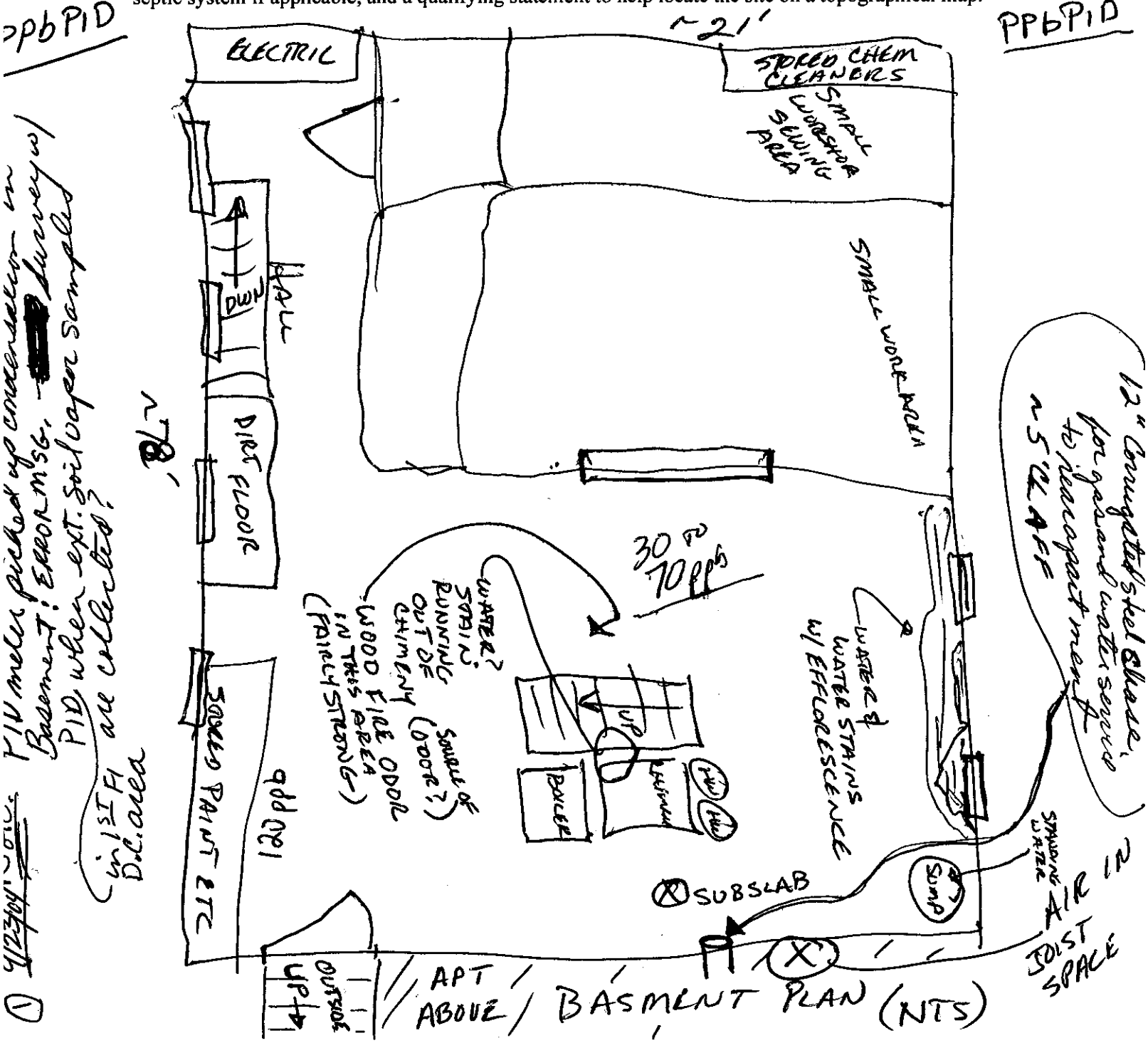
F. Plan View

Draw a plan view sketch for each floor of the residence and if applicable, indicate air sampling locations, possible indoor air pollution sources and PID meter readings.

G. Potential Outdoor Sources of Pollution

Draw a sketch of the area surrounding the residence being sampled. If applicable, provide information on the spill location (if known), potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system if applicable, and a qualifying statement to help locate the site on a topographical map.

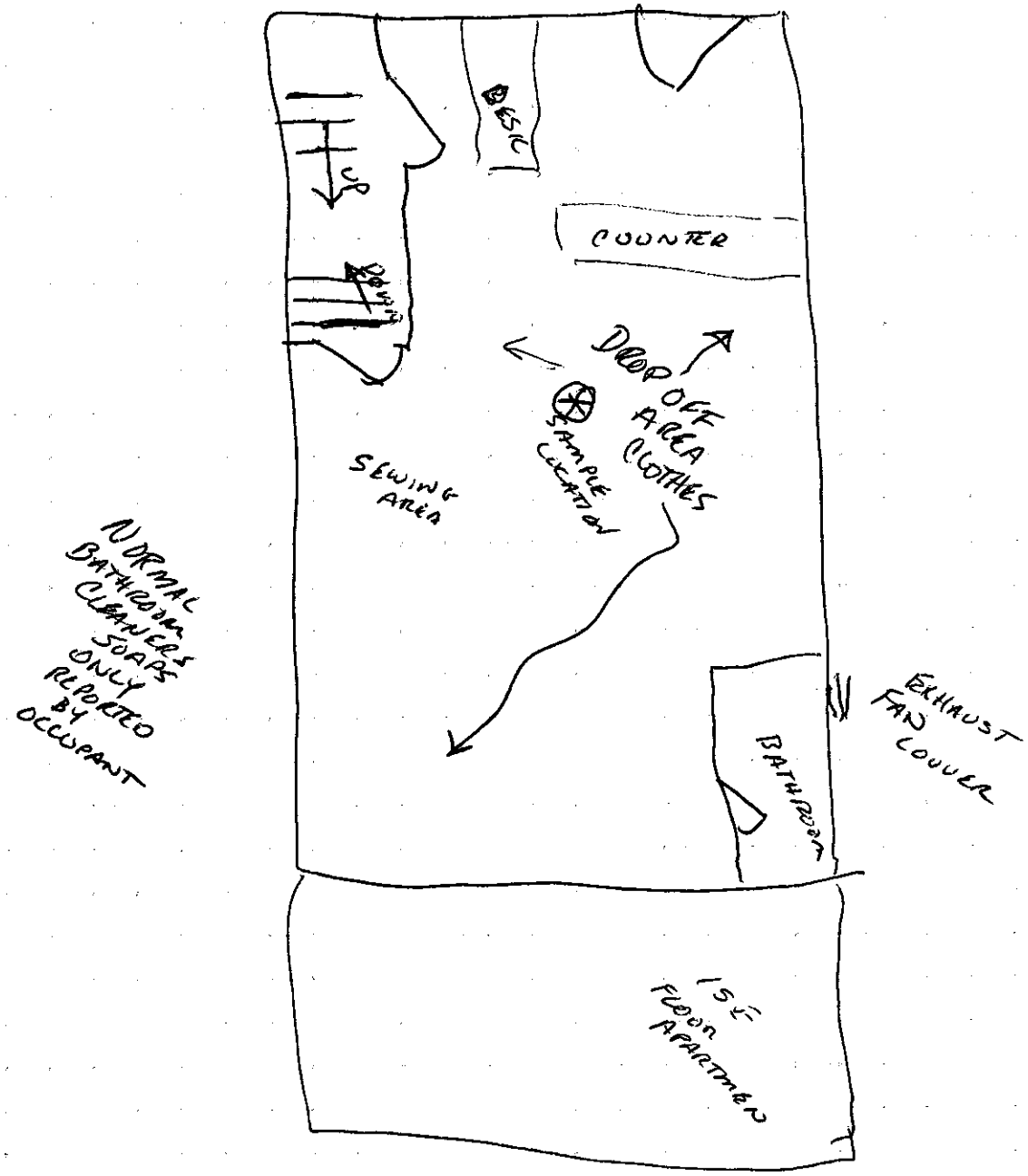


Household Products Inventory

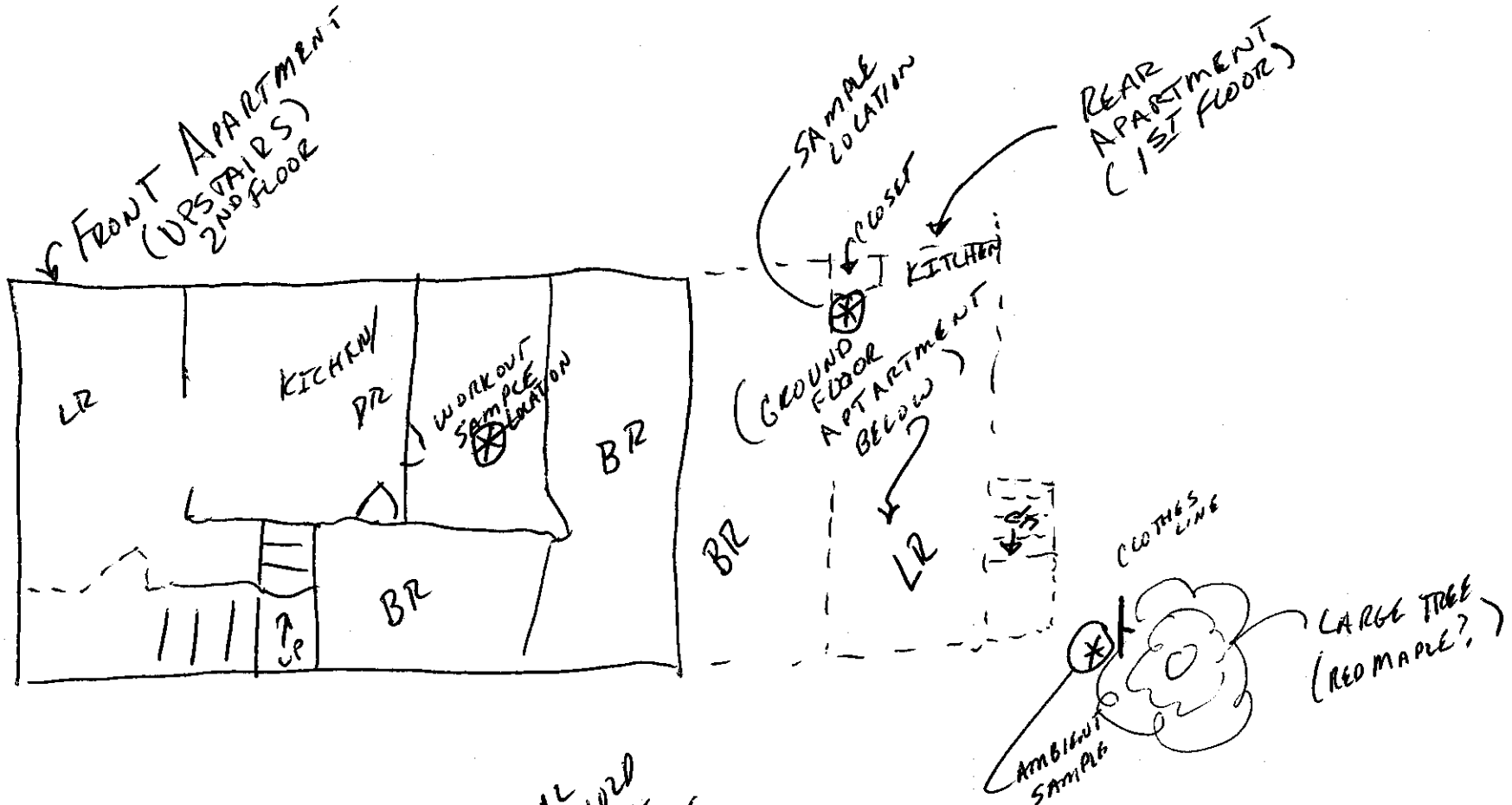
Occupant / residence: UNION CLEANERS

Investigator: JOHN HUNT Date: 9/23/2004

	Product description (dispenser, size, manufacturer…)	VOC Ingredients	PID Reading
BASEMENT	OLD PAINTS (SEE PHOTOS)	UNKNOWN	120 PPB
FRONT APT	HOUSE HOLD SOAPS & DETERGENTS	↓	METER FAILURE
REAR APT	↓		↓
DROP OFF			


DESK
UP
COUNTER
DROP OFF AREA CLOTHES
SAMPLE LOCATION
SEWING AREA
NORMAL BATHROOM CLEANERS SOAPS ONLY REPORTED BY OCCUPANT
EXHAUST FAN LOUVER
BATHROOM
1 ST FLOOR APARTMENT

APARTMENTS



NORMAL HOUSEHOLD WASHING/CLEANING SUPPLIES ONLY UNDER SINK IN EACH APARTMENT REPORTED BY OCCUPANT

1523 VAN VRANKEN

Appendix B
Indoor air quality questionnaire and building inventory

As discussed in Section 2.11, products in buildings must be inventoried every time indoor air is sampled to provide an accurate assessment of the potential contribution of volatile chemicals. In addition, the type of structure, floor layout and physical conditions of the building being studied must be noted to identify (and minimize) conditions that may interfere with the proposed testing. Toward this end, a blank copy of the NYSDOH Center for Environmental Health's Indoor Air Quality Questionnaire and Building Inventory is provided in this appendix. Also provided is an example that demonstrates how the form should be completed properly.

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name JF HUNT Date/Time Prepared 4/11/2005

Preparer's Affiliation O'BRIEN & GERE Phone No. (315) 437-6100 x2588

Purpose of Investigation VAPOR INTRUSION SURVEY

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: (Y) / N

Last Name: CONRADT First Name: RICHARD

Address: _____

County: _____

Home Phone: _____ Cell ~~Office~~ Phone: (518) 786-8568

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential)	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch 2-STORY	~~1-Family~~	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? 4

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 2 Building age 100+

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. **BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

a. Above grade construction:	(wood frame)	concrete	stone	brick
b. Basement type:	(full)	crawlspace	slab	other STONE
c. Basement floor:	concrete	(dirt)	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	(stone)	other _____
g. Foundation walls:	(unsealed)	sealed	sealed with _____	
h. The basement is:	wet	(damp)	dry	moldy
i. The basement is:	finished	(unfinished)	partially finished	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: 4.5 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. **HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

INDIVIDUAL GAS FURNACE IN EACH APARTMENT

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: GAS

Boiler/furnace located in: (Basement) Outdoors Main Floor Other_____

Air conditioning: Central Air Window units Open Windows (None)

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom (Almost Never)

Level	General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)
Basement	UTILITY (GAS WATER HEATERS FURNACE BUT NOT FUNCTIONAL)
1st Floor	RESIDENCE
2nd Floor	↓
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y (N)

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N (NA) Please specify_____

d. Has the building ever had a fire? ? Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y (N) Where?_____

f. Is there a workshop or hobby/craft area? Y (N) Where & Type?_____

g. Is there smoking in the building? Y / N How frequently? ?

h. Have cleaning products been used recently? Y / N When & Type?_____

i. Have cosmetic products been used recently? Y / N When & Type? _____

j. Has painting/staining been done in the last 6 months? (Y) Where & When? [BEDROOM FRONT APT

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? _____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N ?
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service
No
Unknown

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

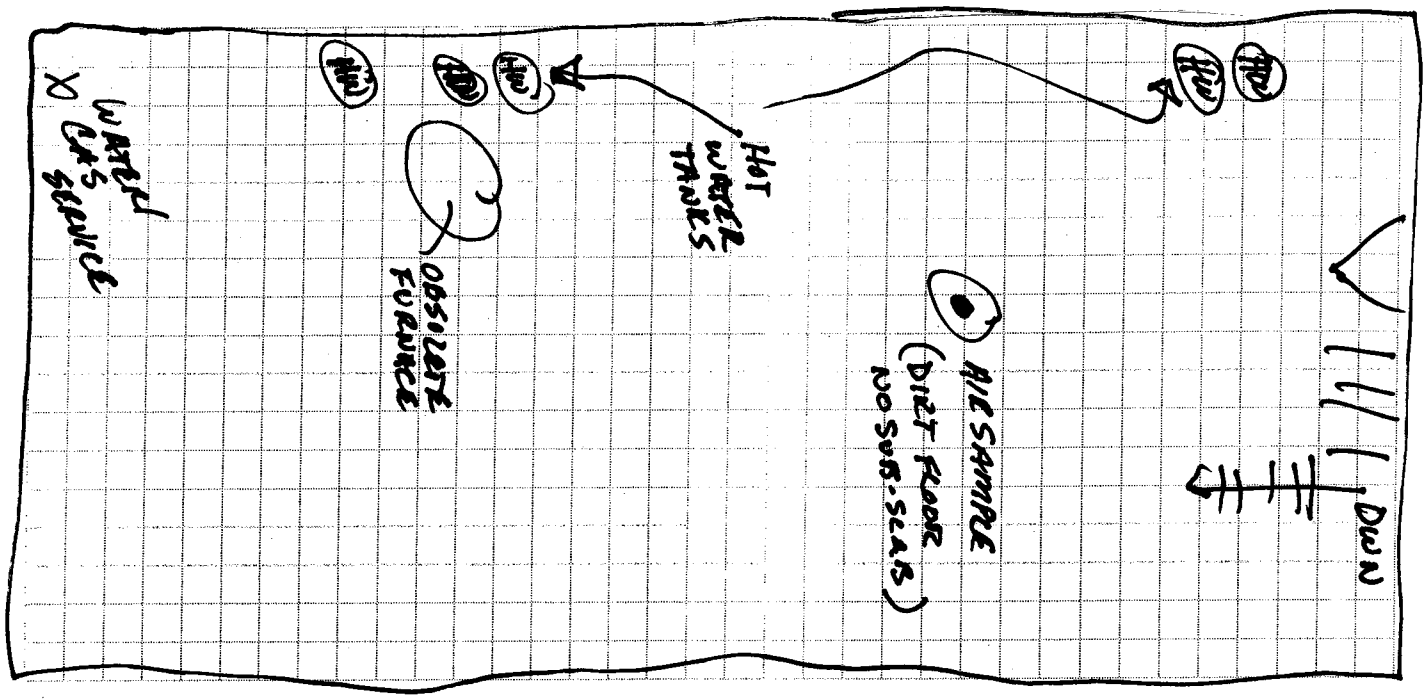
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

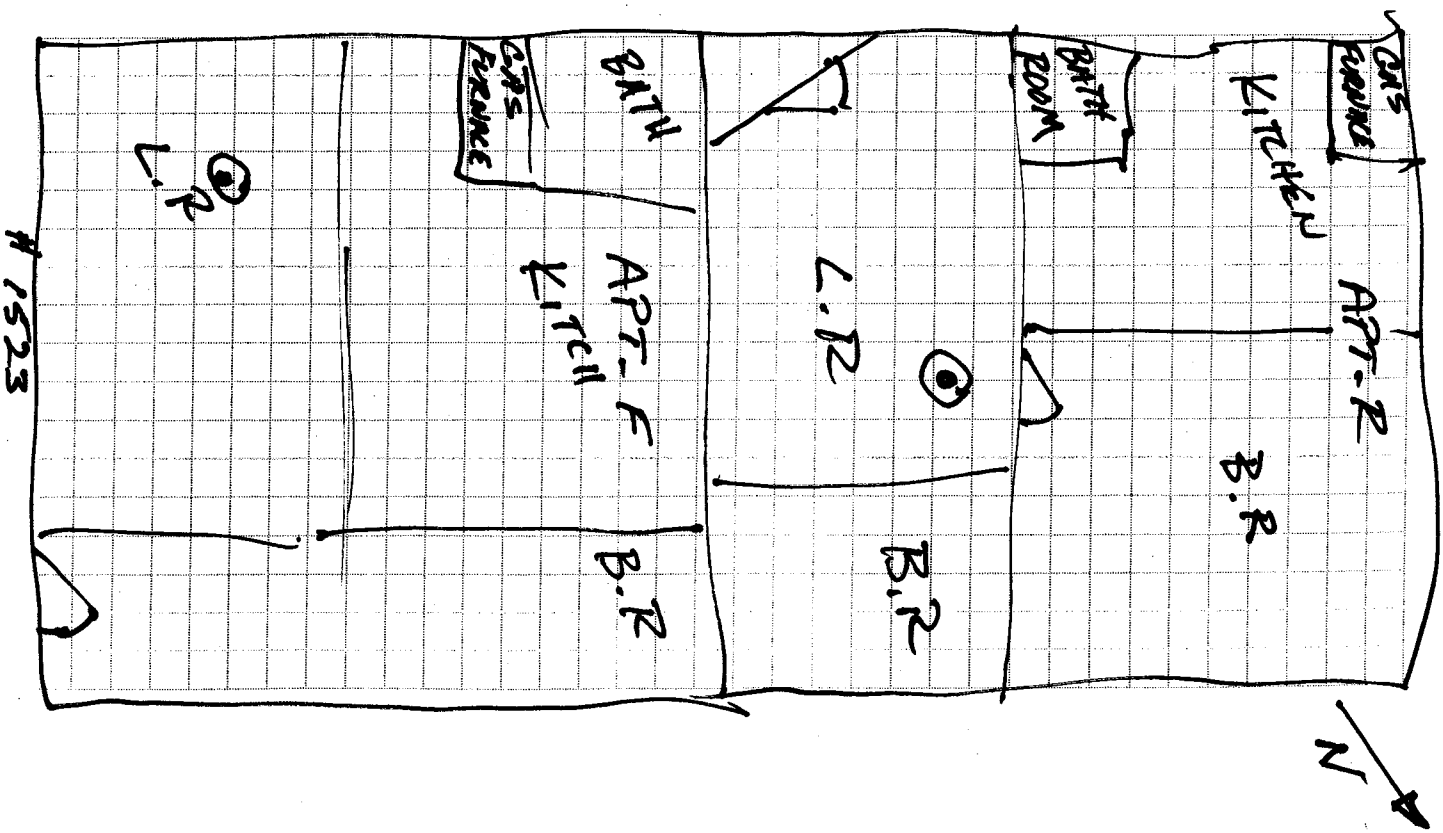
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



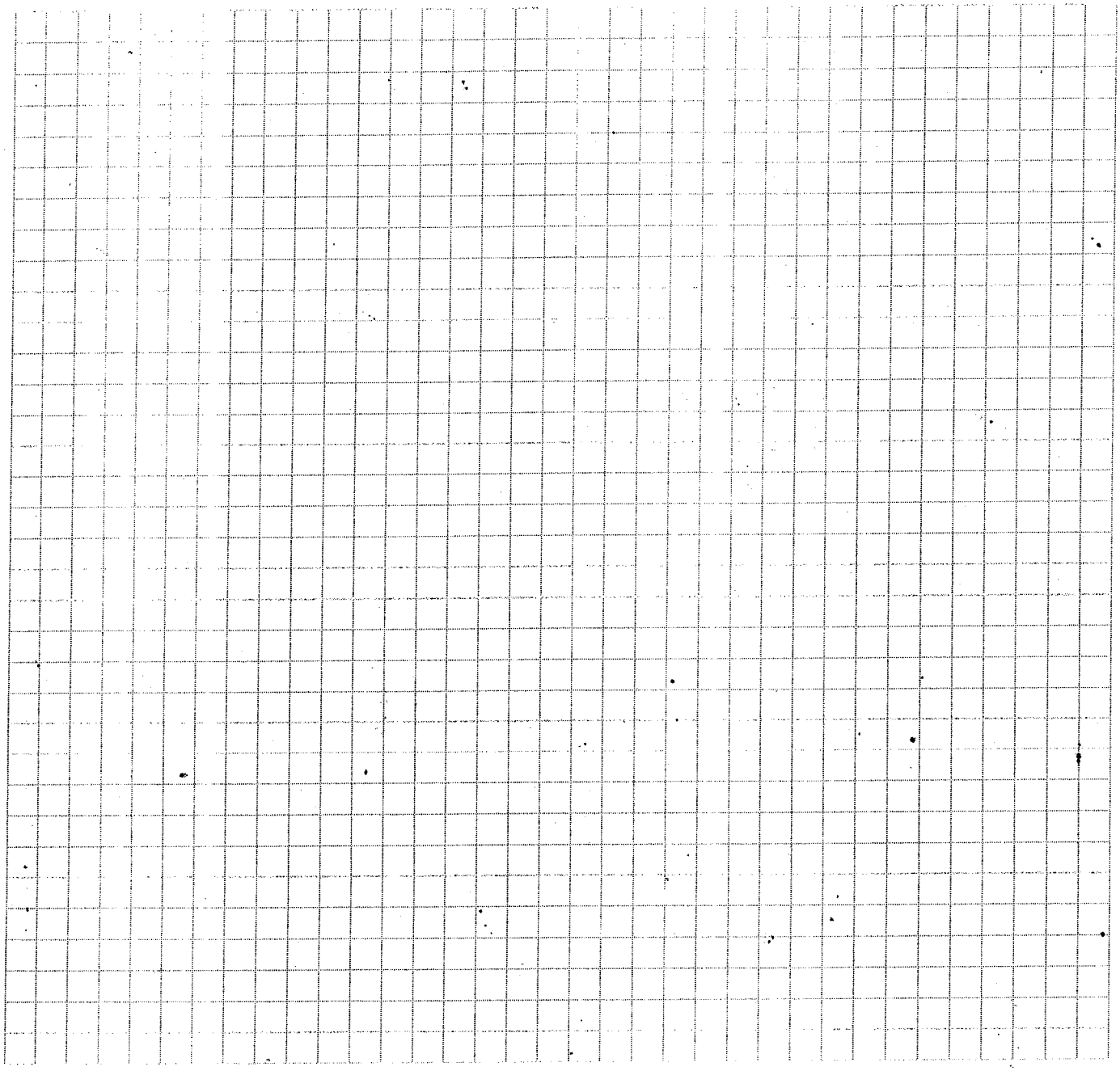
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: MINI-RAE

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y (N)
APT-F						
BATH	LYSOL	1QT	GOOD		≤ 0.1 ppm	
	NO DRY CLEANING	(PER TENANTS)				
APT-R	SOAPS ONLY (PER TENANTS)				≤ 0.1 PPM	N
	NO DRY-CLEANING	↓				

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

1526 CARRIE

Appendix B
Indoor air quality questionnaire and building inventory

As discussed in Section 2.11, products in buildings must be inventoried every time indoor air is sampled to provide an accurate assessment of the potential contribution of volatile chemicals. In addition, the type of structure, floor layout and physical conditions of the building being studied must be noted to identify (and minimize) conditions that may interfere with the proposed testing. Toward this end, a blank copy of the NYSDOH Center for Environmental Health's Indoor Air Quality Questionnaire and Building Inventory is provided in this appendix. Also provided is an example that demonstrates how the form should be completed properly.

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name JOHN HUNT Date/Time Prepared 4/11/2005

Preparer's Affiliation O'BRIEN & GERE Phone No. (315) 437-6100 x 2588

Purpose of Investigation VAPOR INTRUSION SURVEY

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: (Y) N

Last Name: RUZZA First Name: FRANK (SON OF OCCUPANT)

Address: _____

County: _____

Home Phone: (518) 383-3505 Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential) School Commercial/Multi-use
Industrial Church Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? 2

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 2 Building age 100+

Is the building insulated? Y / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. **BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

a. Above grade construction:	(wood frame)	concrete	stone	brick
b. Basement type:	(full)	crawlspace	slab	other _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with PAINT	
e. Concrete floor:	unsealed	sealed	sealed with PAINT	
f. Foundation walls:	poured	block	(stone)	other _____
g. Foundation walls:	unsealed	(sealed)	sealed with PAINT (SOME)	
h. The basement is:	wet	damp	(dry)	moldy
i. The basement is:	finished	unfinished	(partially finished) KITCHEN IN BASEMENT	
j. Sump present?	(Y) / N			
k. Water in sump?	(Y) / N / not applicable			

Basement/Lowest level depth below grade: 4.5 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Sump Pump

6. **HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	(Hot water baseboard)	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: N GAS

Boiler/furnace located in: (Basement) Outdoors Main Floor Other_____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y (N)

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	UTILITY/FOOD STORAGE/GARDEN/CANNING KITCHEN
1st Floor	APARTMENT
2nd Floor	UNOCCUPIED APARTMENT
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? (Y) / N Where & Type?_____

g. Is there smoking in the building? Y / (N) How frequently?_____

h. Have cleaning products been used recently? (Y) / N When & Type? DETERGENTS

i. Have cosmetic products been used recently? ? Y / N When & Type? _____

j. Has painting/staining been done in the last 6 months? Y (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y (N) Where & When? _____

l. Have air fresheners been used recently? ? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? (Y) / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y (N) If yes, where vented? _____

o. Is there a clothes dryer? BASEMENT (Y) / N If yes, is it vented outside? (Y) / N

p. Has there been a pesticide application? MAYBE LAST SUMMER Y (N) When & Type? _____

Are there odors in the building? Y (N)
If yes, please describe: NA

Do any of the building occupants use solvents at work? Y (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service

~~No~~
Unknown

Is there a radon mitigation system for the building/structure? Y (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

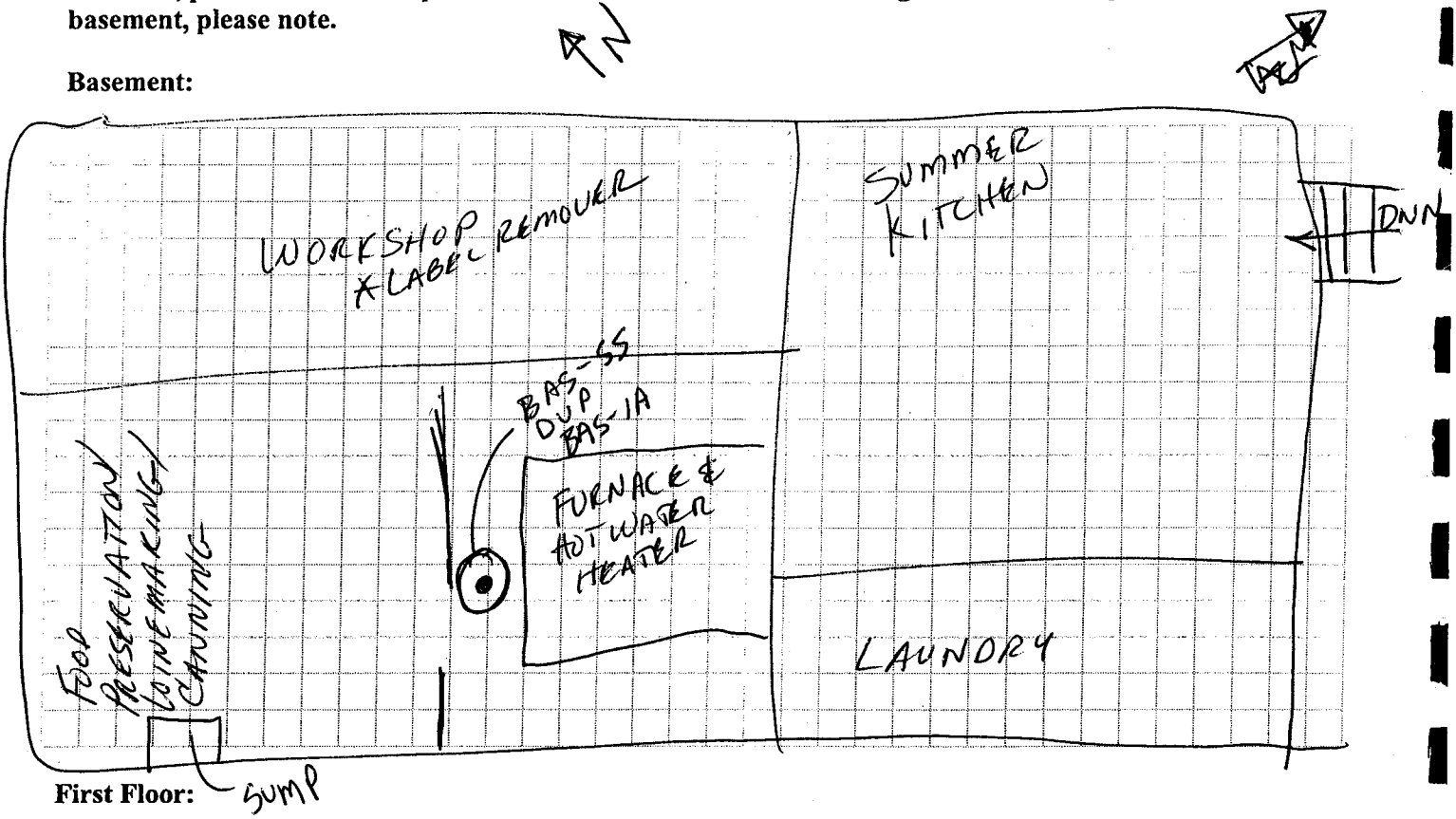
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

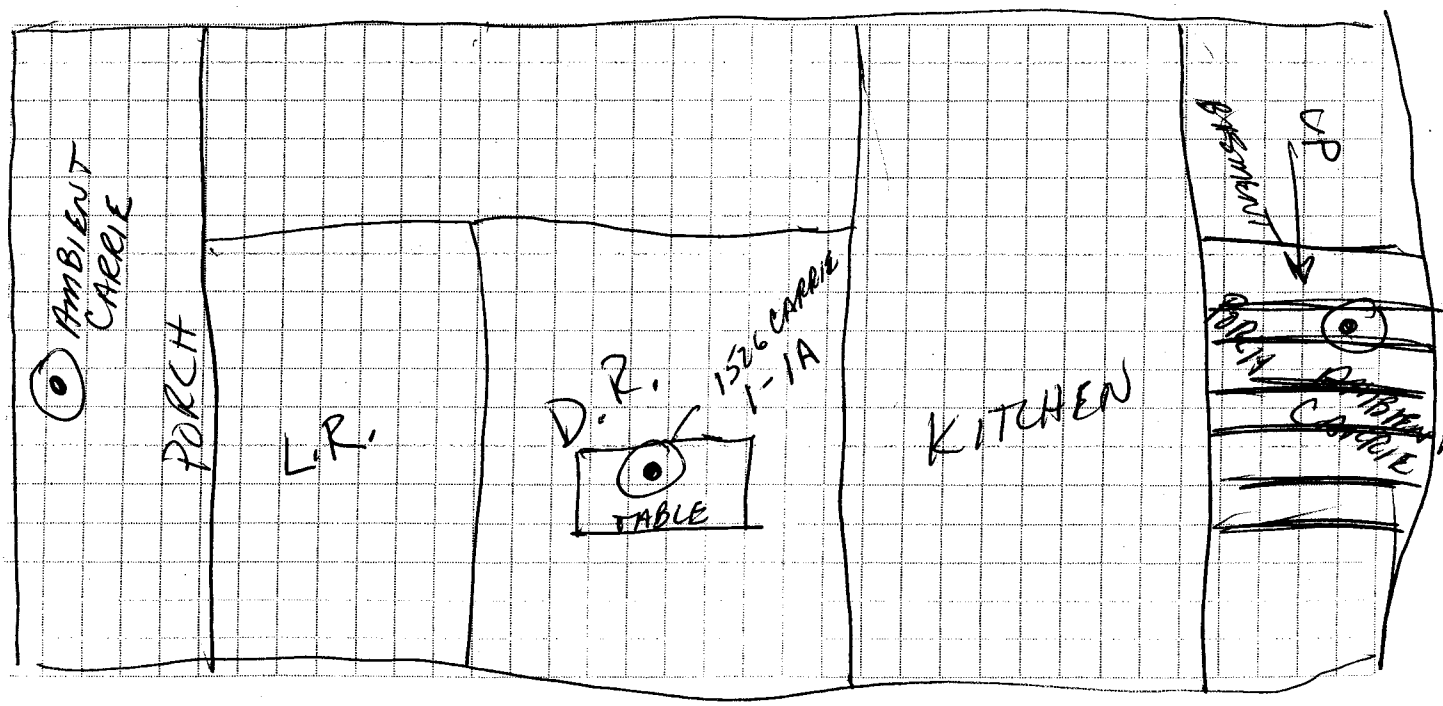
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



First Floor:

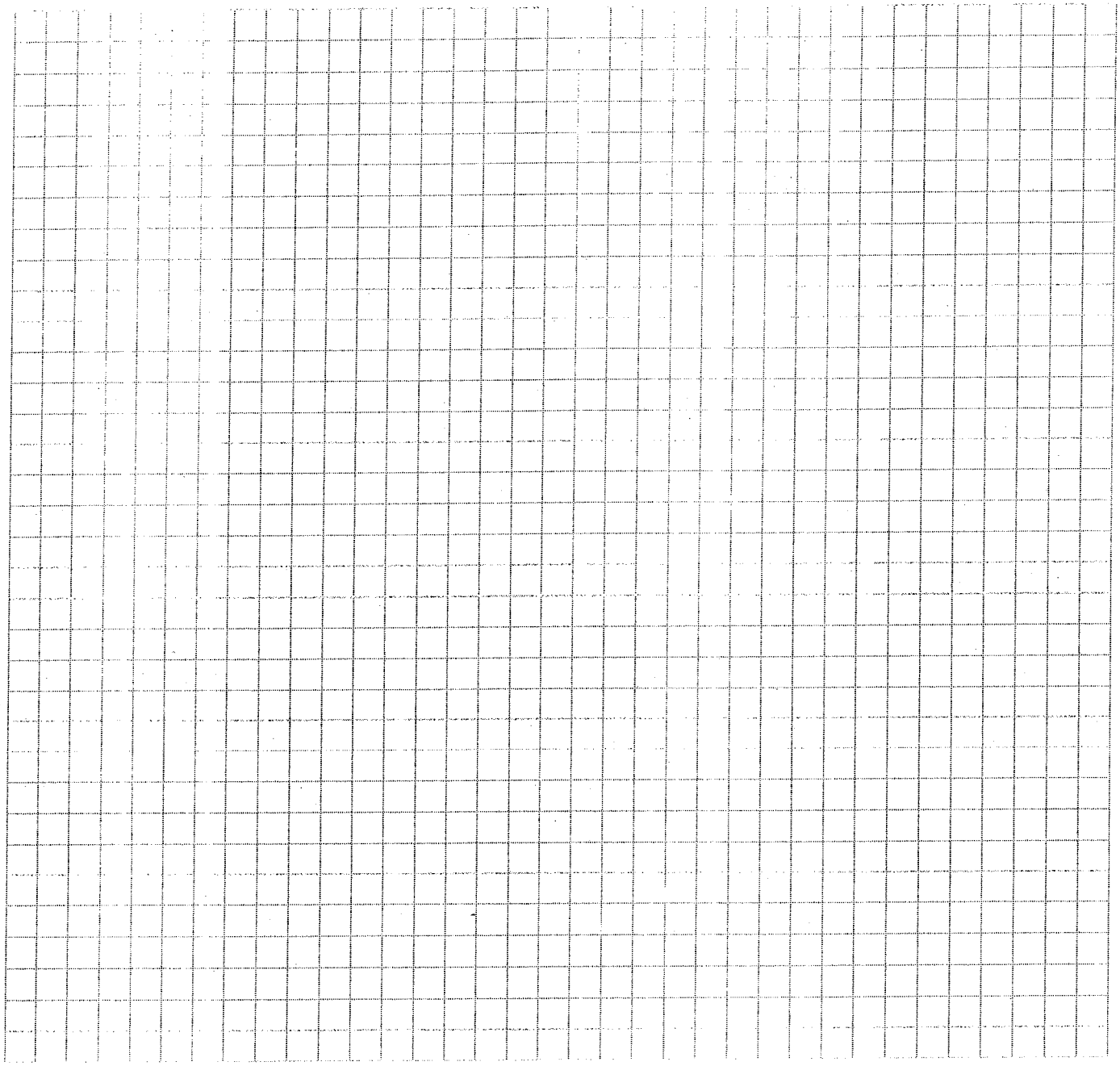


CARRIE STREET

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: MINI-RAE 2000

List specific products found in the residence that have the potential to affect indoor air quality.

1526 CARRIE

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
BASM	LIFT-OFF LABEL REMOVER	1/2 PT	GOOD	CHLORINATED SOLVENTS	<0.1 PPM	Y
↓	WD-40	1 PT	↓	PETROLEUM HYDROCARBONS		N
↓	PB-BLASTER	1 PT	↓	↓		↓
↓	~~CLEANER~~ DETERGENTS	MISC	↓	↓		↓
1ST	HAIR SPRAY	1 PT	↓	DIMETHYL ETHER ALCOHOL		↓
↓	SOAPS/DETERGENTS	MISC	↓			↓
BAS	SUMP	2'x2'	NA		0.15 PPM	Y

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Appendix D

Data Validation/Usability Report

SUMMARY OF THE ANALYTICAL DATA USABILITY
Dambrose Cleaners

Water Volatile Organic Analyses
Samples Collected December 16th through 23rd, 2004
Samples Received December 17th through 23rd, 2004
Sample Delivery Group: 9607, 9608, 9648, 9651
Laboratory Reference Numbers:

MW-2 121604	F1047
MW-3 121604	F1048
MW-3 121604MS	F1048MS
MW-3 121604MSD	F1048MSD
MW-7 121604	F1049
MW-6 121604	F1050
MW-1 121604	F1051
X-1 121604	F1052
QC Trip Blank	F1054
Storage Blank	F1055
MW-9 122104	F1343
MW-10 122104	F1344
MW-11 122104	F1345
MW-4 122104	F1346
MW-5 122104	F1347
MW-8 122104	F1348
MW-8 122104RE	F1348RE
QC Trip Blank	F1349
Storage Blank	F1355

Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - GC/MS Tuning
* - Holding Times
* - Calibrations
- Laboratory Blanks
- Field Blank
- Trip Blanks
- Storage Blank
- Equipment Blank
- System Monitoring Compound Recoveries

* - Internal Standard Recoveries
* - Matrix Spike / Matrix Spike Duplicate
* - Blank Spike
* - Laboratory Control Sample
* - Instrument Detection Limits
* - Compound Identification
* - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA USABILITY SUMMARY

The 1,2-dichloroethane-d4 surrogate recovery of sample MW-8 122104 (F1348) (117%) was just above the 114% quality assurance limit. The laboratory reanalyzed this 7 minutes outside the tune clock and met surrogate recovery criteria.

Only a low concentration of methylene chloride was detected in this sample so the surrogate recovery and time of analysis do not affect the end use of the data.

The results of the initial analysis can be used for the final reporting.

No other problems were found with this sample delivery group, which would affect the usability of the data.

Holding Times

All of the water samples were preserved and analyzed within 14 days of collection.

Tunes

No problems were detected with the one tune associated with the samples of this delivery group.

System Monitoring Compound Recoveries

The 1,2-dichloroethane-d4 system monitoring compound recovery of sample MW-8 122104 (F1348) (117%) was just above the 114% quality assurance limit. The laboratory reanalyzed this 7 minutes outside the tune clock and met surrogate recovery criteria.

Only a low concentration of methylene chloride was detected in this sample so the surrogate recovery and time of analysis do not affect the end use of the data.

The results of the initial analysis can be used for the final reporting.

Calibrations

No problems were found with any of the calibrations.

Matrix Spike / Matrix Spike Duplicate

Sample MW-3 121604 (F1048) was used as the matrix spike and matrix spike duplicate. All recoveries and RPDs were within the NYS DEC ASP quality control limits.

Blank Spike

All blank spike recoveries were within the required quality assurance limits.

Laboratory Control Sample

Four laboratory control samples were analyzed with this sample delivery group. The recoveries of all compounds were within the quality assurance limits.

with the following exception.

Method Blanks

Low concentrations of methylene chloride (2 J, 0.6J and 0.6j ug/l) was detected in the three method blanks.

Methylene chloride was detected in many of these samples at low concentrations.. All of the methylene chloride data was reported at the quantitation limit with the U qualifier and flagged with “MB”.

Trip Blanks

Two trip blanks were associated with this sample delivery group.

A low concentration of methylene chloride (1 JB ug/l) was detected in trip blank (F1054).

A low concentration of methylene chloride (0.6 JB ug/l) was detected in trip blank (F1054).

Methylene chloride was detected in the method blanks associated with all of the samples and the data were reported at the quantitation limit and flagged with the UMB qualifier..

Field Blank

A field blank was not analyzed with this sample delivery group.

Storage Blank

Two storage blanks were associated with this sample delivery group.

A low concentration of methylene chloride (1 JB ug/l) was detected in storage blank (F1055).

A low concentration of methylene chloride(0.8 JB ug/l) was detected in storage blank (E8747)

Methylene chloride was detected in the method blanks associated with all of the samples and the data were reported at the quantitation limit and flagged with the UMB qualifier..

Equipment Blanks

An equipment blank was not analyzed for these samples.

Internal Standard Areas and Retention Times

The recoveries and retention times of all internal standards were within the required (50% - 100%) quality control limits.

Instrument Detection Limits

No problems were detected with the instrument detection limits.

Sample Results

No problems were found with the reported results of any of the samples of this delivery group.

SUMMARY OF THE ANALYTICAL DATA VALIDATION
For Dambrose
Ref. 34253

Modified TO-15
Samples Collected: December 2, 2004
Samples Received: December 3, 2004
Sample Delivery Group: C0412004
Laboratory Reference Numbers:

SG-1	C0412004-001
SG-1 DL	C0412004-001 DL
SG-2	C0412004-002
SG-2 DL	C0412004-002 DL
SG-3	C0412004-003
SG-3 DL	C0412004-003 DL
SG-5	C0412004-004
SG-5 MS	C0412004-004 MS
SG-5 MSD	C0412004-004 MSD
SG-6	C0412004-005
SG-7	C0412004-006
SG-8-2	C0412004-007
SG-9	C0412004-008
SG-9 DL	C0412004-008 DL
SG-10	C0412004-009
SG-11	C0412004-010
Garment Screen (2hr)	C0412004-011
Garment Screen (2hr) DL	C0412004-011 DL
Ambient Air	C0412004-012
Dup	C0412004-013
Dup DL	C0412004-013 DL
Trip Blank	C0412004-014

Data were reviewed for usability according to the following criteria:

- Data Completeness
* - GC/MS Tuning
* - Holding Times
* - Calibrations
* - Laboratory Blanks
* - Trip Blank
* - Surrogate Compound Recoveries
* - Internal Standard Recoveries
* - Laboratory Control Samples
- Field Duplicate
- Compound Identification
- Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The laboratory's case narrative states:

> *Several compounds had slightly lower %REC with C0412004-004A MS/MSD. Both MS/MSD show similar results. All other QC requirements met criteria. Criteria was met for the continuing calibration and all other QC.*

The SIMS was originally requested for samples SG-6 and SG-8-2. This was not done because the concentrations of the target compounds in the samples were too high for the instrument range.

Sample SG-9 (Lab. #: C0412004-008) was analyzed by TO-15 and SIMS. The laboratory states on the SIMS FORM I that "sample was cross contaminated with a previous sample for this compound" in reference to the results of cis-1,2-dichloroethene (1,000pptV) and trichloroethene (3,300 pptV).

The nature of this contamination is not clear, because the trip blank and the ambient air samples were run immediately prior to the this sample. No compounds were detected in the trip blank and the concentrations of cis-1,2-dichloroethene (200pptV) and trichloroethene (550 pptV) in the ambient air sample were less than in sample SG-9.

The SIMS data for this sample is rejected.

The problems with the field duplicate should be noted:

> Sample SG-1 was used as the field duplicate. The RPD of trichloroethene (0.44 ppbV & 0.54 ppbV) was 20%. The RPD of tetrachloroethylene (60 ppbV & 22 ppbV) was 92%. Cis-1-2,dichloroethene (0.44 ppbV) was detected in the field duplicate, but not in sample SG-1.
>
> All of the data were flagged with the "J" qualifier due to the high RPD of tetrachloroethylene. All of the data should be considered to be estimated values.

Trichloroethene was detected in both the TO15 (150 pptV) and SIMS (550 E pptV) in the Ambient Air Sample (Lab. #: C0412004-012). The SIMA concentration was above the linear range of the analysis and should be considered to be an estimated value. It is recommended that the SIMS data be used for the final reporting.

Holding Times

All samples were analyzed within 30 days from time of collection.

Tunes

All of the tunes met the required method limits.

Surrogate Compound Recoveries

All surrogate compound recoveries were within the required quality assurance limits (70% - 130%).

Calibrations

The calculated %RSD for the RRF for each compound in the calibration table was less than 30% for both the high and low level calibrations.

It appeared that 7 calibration standards were actually analyzed in some of the calibrations – instead of the 5 that were reported on the summary form. This does not affect the end use of the data.

No other problems were found with any of the calibration.

Blank Spike

All blank spike recoveries were within the required limits.

Matrix Spike

Sample SG-5 (Lab. #: C0412004-004).

The laboratory's case narrative states:

Several compounds had slightly lower %REC with C0412004-004A MS/MSD. Both MS/MSD show similar results. All other QC requirements met criteria. Criteria was met for the continuing calibration and all other QC.

The recoveries of cis-1,2-dichloroethene (58% and 65%) were less than the 70% quality assurance limit. The recoveries of tetrachloroethylene (55% and 59%) were also less than the 70% quality assurance limit.

Both compounds were detected at low concentrations in the samples 0.44 and 1.13 ugM3. The low recoveries do not significantly affect the end use of the data and the samples were not qualified for the low recoveries.

Duplicate Analysis

Sample SG-1 was used as the field duplicate.

The RPD of trichloroethene (0.44 ppbV & 0.54 ppbV) was 20%.

The RPD of tetrachloroethylene (60 ppbV & 22 ppbV) was 92%.

Cis-1-2,dichloroethene (0.44 ppbV) was detected in the field duplicate, but not in sample SG-1.

All of the data were flagged with the "J" qualifier due to the high RPD of tetrachloroethylene. All of the data should be considered to be estimated values.

Laboratory Control Sample

The recoveries of all of the LCS standards were within the 70% - 130% quality assurance limits.

Method Blanks

No compounds were detected in the method blanks.

Trip Blank

No compounds were detected in the trip blank.

Internal Standard Recoveries

All of the internal standard recoveries were within the quality assurance limits (+/- 40% of the internal standard area, +/- 0.33 minutes of the standard RT).

Instrument Detection Limits.

No problems were found with the instrument detection limits.

Sample Results

The SIMS was originally requested for samples SG-6 and SG-8-2. This was not done because the concentrations of the target compounds in the samples were too high for the instrument range.

Several samples were reanalyzed at varying dilutions and methods. The SIMS analysis is most accurate in the range of 10 pptV to 200 pptV, while TO15 is most accurate in the 150 pptV to 2,000 pptV range. The result that provides the most accurate value has been circled on the FORM I's.

Sample SG-9 (Lab. #: C0412004-008)

This sample was analyzed by TO-15 and SIMS. The laboratory states on the SIMS FORM I that "sample was cross contaminated with a previous sample for this compound" in reference to the results of cis-1,2-dichloroethene (1,000pptV) and trichloroethene (3,300 pptV).

The nature of this contamination is not clear, because the trip blank and the ambient air samples were run immediately prior to the this sample. No compounds were detected in the trip blank and the concentrations of cis-1,2-dichloroethene (200pptV) and trichloroethene (550 pptV) in the ambient air sample were less than in sample SG-9.

The SIMS data for this sample is rejected.

Sample Ambient Air (Lab. #: C0412004-012)

Trichloroethene was detected in both the TO15 (150 pptV) and SIMS (550 E pptV). The SIMA concentration was above the linear range of the analysis and should be considered to be an estimated c value. It is recommended that the SIMS data be used for the final reporting.

No other problems were found with the reported results of any of the samples of this delivery group.

SUMMARY OF THE ANALYTICAL DATA VALIDATION
For Dambrose
Ref. 34253

Modified TO-15
Samples Collected: September 23, 2004
Samples Received: September 24, 2004
Sample Delivery Group: C0409014
Laboratory Reference Numbers:

APT-F-IA	C0409014-001
APT-F-IA DL	C0409014-001 DL
APT-R-IA	C0409014-002
APT-R-IA MS	C0409014-002 MS
APT-R-IA MSD	C0409014-002 MSD
APT-R-IA DL	C0409014-002 DL
DC-IA	C0409014-003
DC-IA DL	C0409014-003 DL
BAS-SS	C0409014-004
BAS-SS DL	C0409014-004 DL
APT-R-CS	C0409014-005
BKGD-AA	C0409014-006
BKGD-AA DL	C0409014-006 DL
Dup	C0409014-007
BAS-IA	C0409014-008
BAS-IA DL	C0409014-008 DL
Trip Blank	C0409014-010

Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - GC/MS Tuning
* - Holding Times
* - Calibrations
* - Laboratory Blanks
* - Trip Blank
  - Matrix Spike / Matrix Spike Duplicate
* - Blank Spike
* - Surrogate Compound Recoveries
  - Internal Standard Recoveries
  - Laboratory Control Samples
* - Field Duplicate
* - Compound Identification
* - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The laboratory's case narrative states:

Sample C0409014-007 is the duplicate of the sub slab. Concentration of tetrachloroethylene is in the ppm range and outside the linear range of the system. Since the initial analysis at the lower dilutions had taken down the system, to avoid any other instrument down time, the sample dup was analyzed at the higher dilution. Only higher dilution is reported for the duplicate.

MS/MSD had compound outside criteria. Tetrachloroethylene was outside criteria for %REC due to high concentration of the analyte in the sample. Both MS & MSD show similar results. Concentration is outside linear range of the system. All other QC me requirements.

LCS-100704 had compound outside criteria. Two compounds were slightly low in the LCS. Samples that were analyzed were with this LCS was only analyzed for tetrachloroethylene dilutions.

Minor problems are discussed below.

Holding Times

All samples were analyzed within 30 days from time of collection.

Tunes

All of the tunes met the required method limits.

Surrogate Compound Recoveries

All surrogate compound recoveries were within the required quality assurance limits (70% - 130%).

Calibrations

The calculated %RSD for the RRF for each compound in the calibration table was less than 30% for both the high and low level calibrations.

It appeared that 7 calibration standards were actually analyzed in the low level calibration – instead of the 5 that were reported on the summary form. This does not affect the end use of the data.

The percent difference of 1,1,2,2-tetrachloroethane had increased by 60% in the 10 /7 continuing calibration. This calibration was associated with the analyses of samples .

The 20X dilution of samples BAS-SS (Lab. #: C0409014-004) and APT-R-CS (Lab. #: C0409014-005) were analyzed with this continuing calibration .

The data for 1,1,2,2-tetrachloroethane were flagged with the "J-CC" This compound was not detected in the samples the higher RRF does not significantly affect undetected data.

Matrix Spike

Sample APT-R-IA (Lab. #: C0409014-002) was used as the matrix spike and matrix spike duplicate.

The laboratory's case narrative states:

> *MS/MSD had compound outside criteria. Tetrachloroethylene was outside criteria for %REC due to high concentration of the analyte in the sample. Both MS & MSD show similar results. Concentration is outside linear range of the system. All other QC met requirements.*

The concentration of tetrachloroethylene in the sample was 18X greater than the concentration of the spike. The recovery could not accurately be calculated. The data were not qualified for the poor recovery.

Blank Spike

All blank spike recoveries were within the required limits.

Duplicate Analysis

The laboratory's case narrative states:

> *Sample C0409014-007 is the duplicate of the sub slab [*BAS-SS Lab. #: C0409014-004]*. Concentration of tetrachloroethylene is in the ppm range and outside the linear range of the system. Since the initial analysis at the lower dilutions had taken down the system, to avoid any other instrument down time, the sample dup was analyzed at the higher dilution. Only higher dilution is reported for the duplicate.*
>
> The RPD of tetrachloroethylene (60 ppbV & 22 ppbV) was 12%.
>
> Cis-1-2,dichloroethene (1,800 ppbV) and trichloroethene (2,400ppbv) were detected in the 20X analysis of sample BAS-SS, but not in the 2160 dilution of the field duplicate.

Laboratory Control Sample

The laboratory's case narrative states:

> *LCS-100704 had compound outside criteria. Two compounds were slightly low in the LCS. Samples that were analyzed were with this LCS was only analyzed for tetrachloroethylene dilutions.*

The recoveries of 1,1,2,2-tetrachloroethane (177%) and 1,1,2-trichloroethane (149%) were above the quality assurance limits of 154% and 138%.

The 20X dilution of samples BAS-SS (Lab. #: C0409014-00) and APT-R-CS (Lab. #: C0409014-005) were analyzed with this LCS sample.

Neither of these compounds were detected in the samples and the data were not qualified since a high LCS recovery does not affect undetected data.

This did not affect the end use of the data and the sample data were not qualified for the low recoveries since only tetrachloroethylene was quantitated with this LCS.

Method Blanks

No compounds were detected in the method blanks.

Trip Blank

No compounds were detected in the trip blank.

Internal Standard Recoveries

All of the internal standard recoveries were within the quality assurance limits (+/- 40% of the internal standard area, +/- 0.33 minutes of the standard RT) with the following exceptions:

C0409014-004	44%	54%	59%
C0409014-007	43%	50%	55%

These two samples were analyzed at a 2,160X dilution due to very high concentrations of tetrachloroethylene. The tertrachloroethylene data were flagged with the “J- IS” qualifier. They should be considered to be estimated values.

Instrument Detection Limits.

No problems were found with the instrument detection limits.

Sample Results

No other problems were found with the reported results of any of the samples of this delivery group.

Appendix E

Ground Water Screening Results

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7186
Sample Description: GWS-1-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/29/04	
Chloromethane	<10.	U		10.	09/29/04	
Vinyl chloride	<10.	U		10.	09/29/04	
Bromomethane	<10.	U		10.	09/29/04	
Chloroethane	<10.	U		10.	09/29/04	
Trichlorofluoromethane	<10.	U		10.	09/29/04	
Acetone	<10.	U		10.	09/29/04	
1,1-Dichloroethene	<10.	U		10.	09/29/04	
Methylene chloride	J 2.	J		10.	09/29/04	
Methyl acetate	<10.	U		10.	09/29/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/29/04	
Carbon disulfide	<10.	U		10.	09/29/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Methyl tert-butyl ether	<10.	U		10.	09/29/04	
1,1-Dichloroethane	<10.	U		10.	09/29/04	
2-Butanone	<10.	U		10.	09/29/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Chloroform	<10.	U		10.	09/29/04	
1,2-Dichloroethane	<10.	U		10.	09/29/04	
1,1,1-Trichloroethane	<10.	U		10.	09/29/04	
Cyclohexane	<10.	U		10.	09/29/04	
Carbon tetrachloride	<10.	U		10.	09/29/04	
Benzene	<10.	U		10.	09/29/04	
Trichloroethene	<10.	U		10.	09/29/04	
1,2-Dichloropropane	<10.	U		10.	09/29/04	
Bromodichloromethane	<10.	U		10.	09/29/04	
Methylcyclohexane	<10.	U		10.	09/29/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/29/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/29/04	
1,1,2-Trichloroethane	<10.	U		10.	09/29/04	
Dibromochloromethane	<10.	U		10.	09/29/04	
Bromoform	<10.	U		10.	09/29/04	
4-Methyl-2-pentanone	<10.	U		10.	09/29/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7186
Sample Description: GWS-1-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/29/04	
Tetrachloroethene	<10.	U		10.	09/29/04	
2-Hexanone	<10.	U		10.	09/29/04	
1,2-Dibromoethane	<10.	U		10.	09/29/04	
Chlorobenzene	<10.	U		10.	09/29/04	
Ethylbenzene	<10.	U		10.	09/29/04	
Xylene (total)	<10.	U		10.	09/29/04	
Styrene	<10.	U		10.	09/29/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/29/04	
Isopropylbenzene	<10.	U		10.	09/29/04	
1,3-Dichlorobenzene	<10.	U		10.	09/29/04	
1,4-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/29/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/29/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	106		76 - 114
Toluene-d8 (surrogate)	103		88 - 110
Bromofluorobenzene (surrogate)	97		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7187
Sample Description: GWS-2-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/29/04	
Chloromethane	<10.	U		10.	09/29/04	
Vinyl chloride	<10.	U		10.	09/29/04	
Bromomethane	<10.	U		10.	09/29/04	
Chloroethane	<10.	U		10.	09/29/04	
Trichlorofluoromethane	<10.	U		10.	09/29/04	
Acetone	<10.	U		10.	09/29/04	
1,1-Dichloroethene	<10.	U		10.	09/29/04	
Methylene chloride	J 2.	J		10.	09/29/04	
Methyl acetate	J 2.	J		10.	09/29/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/29/04	
Carbon disulfide	<10.	U		10.	09/29/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Methyl tert-butyl ether	J 2.	J		10.	09/29/04	
1,1-Dichloroethane	<10.	U		10.	09/29/04	
2-Butanone	<10.	U		10.	09/29/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Chloroform	<10.	U		10.	09/29/04	
1,2-Dichloroethane	<10.	U		10.	09/29/04	
1,1,1-Trichloroethane	<10.	U		10.	09/29/04	
Cyclohexane	<10.	U		10.	09/29/04	
Carbon tetrachloride	<10.	U		10.	09/29/04	
Benzene	<10.	U		10.	09/29/04	
Trichloroethene	<10.	U		10.	09/29/04	
1,2-Dichloropropane	<10.	U		10.	09/29/04	
Bromodichloromethane	<10.	U		10.	09/29/04	
Methylcyclohexane	<10.	U		10.	09/29/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/29/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/29/04	
1,1,2-Trichloroethane	<10.	U		10.	09/29/04	
Dibromochloromethane	<10.	U		10.	09/29/04	
Bromoform	<10.	U		10.	09/29/04	
4-Methyl-2-pentanone	<10.	U		10.	09/29/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7187
Sample Description: GWS-2-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/29/04	
Tetrachloroethene	<10.	U		10.	09/29/04	
2-Hexanone	<10.	U		10.	09/29/04	
1,2-Dibromoethane	<10.	U		10.	09/29/04	
Chlorobenzene	<10.	U		10.	09/29/04	
Ethylbenzene	<10.	U		10.	09/29/04	
Xylene (total)	<10.	U		10.	09/29/04	
Styrene	<10.	U		10.	09/29/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/29/04	
Isopropylbenzene	<10.	U		10.	09/29/04	
1,3-Dichlorobenzene	<10.	U		10.	09/29/04	
1,4-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/29/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/29/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	109		76 - 114
Toluene-d8 (surrogate)	101		88 - 110
Bromofluorobenzene (surrogate)	97		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7188
Sample Description: GWS-3-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/29/04	
Chloromethane	<10.	U		10.	09/29/04	
Vinyl chloride	<10.	U		10.	09/29/04	
Bromomethane	<10.	U		10.	09/29/04	
Chloroethane	<10.	U		10.	09/29/04	
Trichlorofluoromethane	<10.	U		10.	09/29/04	
Acetone	J 3.	J		10.	09/29/04	
1,1-Dichloroethene	<10.	U		10.	09/29/04	
Methylene chloride	J 2.	J		10.	09/29/04	
Methyl acetate	<10.	U		10.	09/29/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/29/04	
Carbon disulfide	<10.	U		10.	09/29/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Methyl tert-butyl ether	<10.	U		10.	09/29/04	
1,1-Dichloroethane	<10.	U		10.	09/29/04	
2-Butanone	<10.	U		10.	09/29/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Chloroform	<10.	U		10.	09/29/04	
1,2-Dichloroethane	<10.	U		10.	09/29/04	
1,1,1-Trichloroethane	<10.	U		10.	09/29/04	
Cyclohexane	<10.	U		10.	09/29/04	
Carbon tetrachloride	<10.	U		10.	09/29/04	
Benzene	<10.	U		10.	09/29/04	
Trichloroethene	<10.	U		10.	09/29/04	
1,2-Dichloropropane	<10.	U		10.	09/29/04	
Bromodichloromethane	<10.	U		10.	09/29/04	
Methylcyclohexane	<10.	U		10.	09/29/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/29/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/29/04	
1,1,2-Trichloroethane	<10.	U		10.	09/29/04	
Dibromochloromethane	<10.	U		10.	09/29/04	
Bromoform	<10.	U		10.	09/29/04	
4-Methyl-2-pentanone	<10.	U		10.	09/29/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7188
Sample Description: GWS-3-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/29/04	
Tetrachloroethene	<10.	U		10.	09/29/04	
2-Hexanone	<10.	U		10.	09/29/04	
1,2-Dibromoethane	<10.	U		10.	09/29/04	
Chlorobenzene	<10.	U		10.	09/29/04	
Ethylbenzene	<10.	U		10.	09/29/04	
Xylene (total)	<10.	U		10.	09/29/04	
Styrene	<10.	U		10.	09/29/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/29/04	
Isopropylbenzene	<10.	U		10.	09/29/04	
1,3-Dichlorobenzene	<10.	U		10.	09/29/04	
1,4-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/29/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/29/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	106		76 - 114
Toluene-d8 (surrogate)	103		88 - 110
Bromofluorobenzene (surrogate)	94		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7189
Sample Description: GWS-4-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/29/04	
Chloromethane	<10.	U		10.	09/29/04	
Vinyl chloride	<10.	U		10.	09/29/04	
Bromomethane	<10.	U		10.	09/29/04	
Chloroethane	<10.	U		10.	09/29/04	
Trichlorofluoromethane	<10.	U		10.	09/29/04	
Acetone	J 3.	J		10.	09/29/04	
1,1-Dichloroethene	<10.	U		10.	09/29/04	
Methylene chloride	J 2.	J		10.	09/29/04	
Methyl acetate	<10.	U		10.	09/29/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/29/04	
Carbon disulfide	<10.	U		10.	09/29/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Methyl tert-butyl ether	<10.	U		10.	09/29/04	
1,1-Dichloroethane	<10.	U		10.	09/29/04	
2-Butanone	<10.	U		10.	09/29/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Chloroform	<10.	U		10.	09/29/04	
1,2-Dichloroethane	<10.	U		10.	09/29/04	
1,1,1-Trichloroethane	<10.	U		10.	09/29/04	
Cyclohexane	<10.	U		10.	09/29/04	
Carbon tetrachloride	<10.	U		10.	09/29/04	
Benzene	<10.	U		10.	09/29/04	
Trichloroethene	<10.	U		10.	09/29/04	
1,2-Dichloropropane	<10.	U		10.	09/29/04	
Bromodichloromethane	<10.	U		10.	09/29/04	
Methylcyclohexane	<10.	U		10.	09/29/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/29/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/29/04	
1,1,2-Trichloroethane	<10.	U		10.	09/29/04	
Dibromochloromethane	<10.	U		10.	09/29/04	
Bromoform	<10.	U		10.	09/29/04	
4-Methyl-2-pentanone	<10.	U		10.	09/29/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7189
Sample Description: GWS-4-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/29/04	
Tetrachloroethene	<10.	U		10.	09/29/04	
2-Hexanone	<10.	U		10.	09/29/04	
1,2-Dibromoethane	<10.	U		10.	09/29/04	
Chlorobenzene	<10.	U		10.	09/29/04	
Ethylbenzene	<10.	U		10.	09/29/04	
Xylene (total)	<10.	U		10.	09/29/04	
Styrene	<10.	U		10.	09/29/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/29/04	
Isopropylbenzene	<10.	U		10.	09/29/04	
1,3-Dichlorobenzene	<10.	U		10.	09/29/04	
1,4-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/29/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/29/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	106		76 - 114
Toluene-d8 (surrogate)	103		88 - 110
Bromofluorobenzene (surrogate)	93		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7190
Sample Description: GWS-5-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/29/04	
Chloromethane	<10.	U		10.	09/29/04	
Vinyl chloride	<10.	U		10.	09/29/04	
Bromomethane	<10.	U		10.	09/29/04	
Chloroethane	<10.	U		10.	09/29/04	
Trichlorofluoromethane	<10.	U		10.	09/29/04	
Acetone	J 2.	J		10.	09/29/04	
1,1-Dichloroethene	<10.	U		10.	09/29/04	
Methylene chloride	J 2.	J		10.	09/29/04	
Methyl acetate	<10.	U		10.	09/29/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/29/04	
Carbon disulfide	<10.	U		10.	09/29/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Methyl tert-butyl ether	<10.	U		10.	09/29/04	
1,1-Dichloroethane	<10.	U		10.	09/29/04	
2-Butanone	<10.	U		10.	09/29/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Chloroform	<10.	U		10.	09/29/04	
1,2-Dichloroethane	<10.	U		10.	09/29/04	
1,1,1-Trichloroethane	<10.	U		10.	09/29/04	
Cyclohexane	<10.	U		10.	09/29/04	
Carbon tetrachloride	<10.	U		10.	09/29/04	
Benzene	<10.	U		10.	09/29/04	
Trichloroethene	<10.	U		10.	09/29/04	
1,2-Dichloropropane	<10.	U		10.	09/29/04	
Bromodichloromethane	<10.	U		10.	09/29/04	
Methylcyclohexane	<10.	U		10.	09/29/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/29/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/29/04	
1,1,2-Trichloroethane	<10.	U		10.	09/29/04	
Dibromochloromethane	<10.	U		10.	09/29/04	
Bromoform	<10.	U		10.	09/29/04	
4-Methyl-2-pentanone	<10.	U		10.	09/29/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7190
Sample Description: GWS-5-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/29/04	
Tetrachloroethene	<10.	U		10.	09/29/04	
2-Hexanone	<10.	U		10.	09/29/04	
1,2-Dibromoethane	<10.	U		10.	09/29/04	
Chlorobenzene	<10.	U		10.	09/29/04	
Ethylbenzene	<10.	U		10.	09/29/04	
Xylene (total)	<10.	U		10.	09/29/04	
Styrene	<10.	U		10.	09/29/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/29/04	
Isopropylbenzene	<10.	U		10.	09/29/04	
1,3-Dichlorobenzene	<10.	U		10.	09/29/04	
1,4-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/29/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/29/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	104		76 - 114
Toluene-d8 (surrogate)	103		88 - 110
Bromofluorobenzene (surrogate)	94		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7191
Sample Description: GWS-7-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/29/04	
Chloromethane	<10.	U		10.	09/29/04	
Vinyl chloride	<10.	U		10.	09/29/04	
Bromomethane	<10.	U		10.	09/29/04	
Chloroethane	<10.	U		10.	09/29/04	
Trichlorofluoromethane	<10.	U		10.	09/29/04	
Acetone	<10.	U		10.	09/29/04	
1,1-Dichloroethene	<10.	U		10.	09/29/04	
Methylene chloride	J 1.	J		10.	09/29/04	
Methyl acetate	<10.	U		10.	09/29/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/29/04	
Carbon disulfide	<10.	U		10.	09/29/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Methyl tert-butyl ether	<10.	U		10.	09/29/04	
1,1-Dichloroethane	<10.	U		10.	09/29/04	
2-Butanone	<10.	U		10.	09/29/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Chloroform	<10.	U		10.	09/29/04	
1,2-Dichloroethane	<10.	U		10.	09/29/04	
1,1,1-Trichloroethane	<10.	U		10.	09/29/04	
Cyclohexane	<10.	U		10.	09/29/04	
Carbon tetrachloride	<10.	U		10.	09/29/04	
Benzene	<10.	U		10.	09/29/04	
Trichloroethene	<10.	U		10.	09/29/04	
1,2-Dichloropropane	<10.	U		10.	09/29/04	
Bromodichloromethane	<10.	U		10.	09/29/04	
Methylcyclohexane	<10.	U		10.	09/29/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/29/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/29/04	
1,1,2-Trichloroethane	<10.	U		10.	09/29/04	
Dibromochloromethane	<10.	U		10.	09/29/04	
Bromoform	<10.	U		10.	09/29/04	
4-Methyl-2-pentanone	<10.	U		10.	09/29/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7191
Sample Description: GWS-7-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/29/04	
Tetrachloroethene	<10.	U		10.	09/29/04	
2-Hexanone	<10.	U		10.	09/29/04	
1,2-Dibromoethane	<10.	U		10.	09/29/04	
Chlorobenzene	<10.	U		10.	09/29/04	
Ethylbenzene	<10.	U		10.	09/29/04	
Xylene (total)	<10.	U		10.	09/29/04	
Styrene	<10.	U		10.	09/29/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/29/04	
Isopropylbenzene	<10.	U		10.	09/29/04	
1,3-Dichlorobenzene	<10.	U		10.	09/29/04	
1,4-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/29/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/29/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	108		76 - 114
Toluene-d8 (surrogate)	100		88 - 110
Bromofluorobenzene (surrogate)	92		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7192
Sample Description: GWS-8-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/29/04	
Chloromethane	<10.	U		10.	09/29/04	
Vinyl chloride	J 1.	J		10.	09/29/04	
Bromomethane	<10.	U		10.	09/29/04	
Chloroethane	<10.	U		10.	09/29/04	
Trichlorofluoromethane	<10.	U		10.	09/29/04	
Acetone	<10.	U		10.	09/29/04	
1,1-Dichloroethene	<10.	U		10.	09/29/04	
Methylene chloride	J 1.	J		10.	09/29/04	
Methyl acetate	<10.	U		10.	09/29/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/29/04	
Carbon disulfide	<10.	U		10.	09/29/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Methyl tert-butyl ether	<10.	U		10.	09/29/04	
1,1-Dichloroethane	<10.	U		10.	09/29/04	
2-Butanone	<10.	U		10.	09/29/04	
cis-1,2-Dichloroethene	J 5.	J		10.	09/29/04	
Chloroform	<10.	U		10.	09/29/04	
1,2-Dichloroethane	<10.	U		10.	09/29/04	
1,1,1-Trichloroethane	<10.	U		10.	09/29/04	
Cyclohexane	<10.	U		10.	09/29/04	
Carbon tetrachloride	<10.	U		10.	09/29/04	
Benzene	<10.	U		10.	09/29/04	
Trichloroethene	<10.	U		10.	09/29/04	
1,2-Dichloropropane	<10.	U		10.	09/29/04	
Bromodichloromethane	<10.	U		10.	09/29/04	
Methylcyclohexane	<10.	U		10.	09/29/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/29/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/29/04	
1,1,2-Trichloroethane	<10.	U		10.	09/29/04	
Dibromochloromethane	<10.	U		10.	09/29/04	
Bromoform	<10.	U		10.	09/29/04	
4-Methyl-2-pentanone	<10.	U		10.	09/29/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7192
Sample Description: GWS-8-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/29/04	
Tetrachloroethene	<10.	U		10.	09/29/04	
2-Hexanone	<10.	U		10.	09/29/04	
1,2-Dibromoethane	<10.	U		10.	09/29/04	
Chlorobenzene	<10.	U		10.	09/29/04	
Ethylbenzene	<10.	U		10.	09/29/04	
Xylene (total)	<10.	U		10.	09/29/04	
Styrene	<10.	U		10.	09/29/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/29/04	
Isopropylbenzene	<10.	U		10.	09/29/04	
1,3-Dichlorobenzene	<10.	U		10.	09/29/04	
1,4-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/29/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/29/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	106		76 - 114
Toluene-d8 (surrogate)	97		88 - 110
Bromofluorobenzene (surrogate)	94		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7193
Sample Description: GWS-9-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/29/04	
Chloromethane	<10.	U		10.	09/29/04	
Vinyl chloride	<10.	U		10.	09/29/04	
Bromomethane	<10.	U		10.	09/29/04	
Chloroethane	<10.	U		10.	09/29/04	
Trichlorofluoromethane	<10.	U		10.	09/29/04	
Acetone	J 2.	J		10.	09/29/04	
1,1-Dichloroethene	<10.	U		10.	09/29/04	
Methylene chloride	J 1.	J		10.	09/29/04	
Methyl acetate	<10.	U		10.	09/29/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/29/04	
Carbon disulfide	<10.	U		10.	09/29/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Methyl tert-butyl ether	<10.	U		10.	09/29/04	
1,1-Dichloroethane	<10.	U		10.	09/29/04	
2-Butanone	<10.	U		10.	09/29/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Chloroform	<10.	U		10.	09/29/04	
1,2-Dichloroethane	<10.	U		10.	09/29/04	
1,1,1-Trichloroethane	<10.	U		10.	09/29/04	
Cyclohexane	<10.	U		10.	09/29/04	
Carbon tetrachloride	<10.	U		10.	09/29/04	
Benzene	<10.	U		10.	09/29/04	
Trichloroethene	<10.	U		10.	09/29/04	
1,2-Dichloropropane	<10.	U		10.	09/29/04	
Bromodichloromethane	<10.	U		10.	09/29/04	
Methylcyclohexane	<10.	U		10.	09/29/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/29/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/29/04	
1,1,2-Trichloroethane	<10.	U		10.	09/29/04	
Dibromochloromethane	<10.	U		10.	09/29/04	
Bromoform	<10.	U		10.	09/29/04	
4-Methyl-2-pentanone	<10.	U		10.	09/29/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7193
Sample Description: GWS-9-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/29/04	
Tetrachloroethene	<10.	U		10.	09/29/04	
2-Hexanone	<10.	U		10.	09/29/04	
1,2-Dibromoethane	<10.	U		10.	09/29/04	
Chlorobenzene	<10.	U		10.	09/29/04	
Ethylbenzene	<10.	U		10.	09/29/04	
Xylene (total)	<10.	U		10.	09/29/04	
Styrene	<10.	U		10.	09/29/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/29/04	
Isopropylbenzene	<10.	U		10.	09/29/04	
1,3-Dichlorobenzene	<10.	U		10.	09/29/04	
1,4-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/29/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/29/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	105		76 - 114
Toluene-d8 (surrogate)	101		88 - 110
Bromofluorobenzene (surrogate)	93		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7194
Sample Description: GWS-10-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/29/04	
Chloromethane	<10.	U		10.	09/29/04	
Vinyl chloride	<10.	U		10.	09/29/04	
Bromomethane	<10.	U		10.	09/29/04	
Chloroethane	<10.	U		10.	09/29/04	
Trichlorofluoromethane	<10.	U		10.	09/29/04	
Acetone	J 2.	J		10.	09/29/04	
1,1-Dichloroethene	<10.	U		10.	09/29/04	
Methylene chloride	J 1.	J		10.	09/29/04	
Methyl acetate	<10.	U		10.	09/29/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/29/04	
Carbon disulfide	<10.	U		10.	09/29/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Methyl tert-butyl ether	<10.	U		10.	09/29/04	
1,1-Dichloroethane	<10.	U		10.	09/29/04	
2-Butanone	<10.	U		10.	09/29/04	
cis-1,2-Dichloroethene	13.			10.	09/29/04	
Chloroform	<10.	U		10.	09/29/04	
1,2-Dichloroethane	<10.	U		10.	09/29/04	
1,1,1-Trichloroethane	<10.	U		10.	09/29/04	
Cyclohexane	<10.	U		10.	09/29/04	
Carbon tetrachloride	<10.	U		10.	09/29/04	
Benzene	<10.	U		10.	09/29/04	
Trichloroethene	J 5.	J		10.	09/29/04	
1,2-Dichloropropane	<10.	U		10.	09/29/04	
Bromodichloromethane	<10.	U		10.	09/29/04	
Methylcyclohexane	<10.	U		10.	09/29/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/29/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/29/04	
1,1,2-Trichloroethane	<10.	U		10.	09/29/04	
Dibromochloromethane	<10.	U		10.	09/29/04	
Bromoform	<10.	U		10.	09/29/04	
4-Methyl-2-pentanone	<10.	U		10.	09/29/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7194
Sample Description: GWS-10-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/29/04	
Tetrachloroethene	J 7.	J		10.	09/29/04	
2-Hexanone	<10.	U		10.	09/29/04	
1,2-Dibromoethane	<10.	U		10.	09/29/04	
Chlorobenzene	<10.	U		10.	09/29/04	
Ethylbenzene	<10.	U		10.	09/29/04	
Xylene (total)	<10.	U		10.	09/29/04	
Styrene	<10.	U		10.	09/29/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/29/04	
Isopropylbenzene	<10.	U		10.	09/29/04	
1,3-Dichlorobenzene	<10.	U		10.	09/29/04	
1,4-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/29/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/29/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	105		76 - 114
Toluene-d8 (surrogate)	101		88 - 110
Bromofluorobenzene (surrogate)	93		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7195
Sample Description: GWS-11-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/29/04	
Chloromethane	<10.	U		10.	09/29/04	
Vinyl chloride	<10.	U		10.	09/29/04	
Bromomethane	<10.	U		10.	09/29/04	
Chloroethane	<10.	U		10.	09/29/04	
Trichlorofluoromethane	<10.	U		10.	09/29/04	
Acetone	<10.	U		10.	09/29/04	
1,1-Dichloroethene	<10.	U		10.	09/29/04	
Methylene chloride	J 1.	J		10.	09/29/04	
Methyl acetate	<10.	U		10.	09/29/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/29/04	
Carbon disulfide	<10.	U		10.	09/29/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Methyl tert-butyl ether	<10.	U		10.	09/29/04	
1,1-Dichloroethane	<10.	U		10.	09/29/04	
2-Butanone	<10.	U		10.	09/29/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Chloroform	<10.	U		10.	09/29/04	
1,2-Dichloroethane	<10.	U		10.	09/29/04	
1,1,1-Trichloroethane	<10.	U		10.	09/29/04	
Cyclohexane	<10.	U		10.	09/29/04	
Carbon tetrachloride	<10.	U		10.	09/29/04	
Benzene	<10.	U		10.	09/29/04	
Trichloroethene	<10.	U		10.	09/29/04	
1,2-Dichloropropane	<10.	U		10.	09/29/04	
Bromodichloromethane	<10.	U		10.	09/29/04	
Methylcyclohexane	<10.	U		10.	09/29/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/29/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/29/04	
1,1,2-Trichloroethane	<10.	U		10.	09/29/04	
Dibromochloromethane	<10.	U		10.	09/29/04	
Bromoform	<10.	U		10.	09/29/04	
4-Methyl-2-pentanone	<10.	U		10.	09/29/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7195
Sample Description: GWS-11-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/29/04	
Tetrachloroethene	<10.	U		10.	09/29/04	
2-Hexanone	<10.	U		10.	09/29/04	
1,2-Dibromoethane	<10.	U		10.	09/29/04	
Chlorobenzene	<10.	U		10.	09/29/04	
Ethylbenzene	<10.	U		10.	09/29/04	
Xylene (total)	<10.	U		10.	09/29/04	
Styrene	<10.	U		10.	09/29/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/29/04	
Isopropylbenzene	<10.	U		10.	09/29/04	
1,3-Dichlorobenzene	<10.	U		10.	09/29/04	
1,4-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/29/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/29/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	107		76 - 114
Toluene-d8 (surrogate)	104		88 - 110
Bromofluorobenzene (surrogate)	94		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7196
Sample Description: GWS-12-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/29/04	
Chloromethane	<10.	U		10.	09/29/04	
Vinyl chloride	<10.	U		10.	09/29/04	
Bromomethane	<10.	U		10.	09/29/04	
Chloroethane	<10.	U		10.	09/29/04	
Trichlorofluoromethane	<10.	U		10.	09/29/04	
Acetone	<10.	U		10.	09/29/04	
1,1-Dichloroethene	<10.	U		10.	09/29/04	
Methylene chloride	J 2.	J		10.	09/29/04	
Methyl acetate	<10.	U		10.	09/29/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/29/04	
Carbon disulfide	<10.	U		10.	09/29/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Methyl tert-butyl ether	<10.	U		10.	09/29/04	
1,1-Dichloroethane	<10.	U		10.	09/29/04	
2-Butanone	<10.	U		10.	09/29/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Chloroform	<10.	U		10.	09/29/04	
1,2-Dichloroethane	<10.	U		10.	09/29/04	
1,1,1-Trichloroethane	<10.	U		10.	09/29/04	
Cyclohexane	<10.	U		10.	09/29/04	
Carbon tetrachloride	<10.	U		10.	09/29/04	
Benzene	<10.	U		10.	09/29/04	
Trichloroethene	<10.	U		10.	09/29/04	
1,2-Dichloropropane	<10.	U		10.	09/29/04	
Bromodichloromethane	<10.	U		10.	09/29/04	
Methylcyclohexane	<10.	U		10.	09/29/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/29/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/29/04	
1,1,2-Trichloroethane	<10.	U		10.	09/29/04	
Dibromochloromethane	<10.	U		10.	09/29/04	
Bromoform	<10.	U		10.	09/29/04	
4-Methyl-2-pentanone	<10.	U		10.	09/29/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7196
Sample Description: GWS-12-092304
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/29/04	
Tetrachloroethene	<10.	U		10.	09/29/04	
2-Hexanone	<10.	U		10.	09/29/04	
1,2-Dibromoethane	<10.	U		10.	09/29/04	
Chlorobenzene	<10.	U		10.	09/29/04	
Ethylbenzene	<10.	U		10.	09/29/04	
Xylene (total)	<10.	U		10.	09/29/04	
Styrene	<10.	U		10.	09/29/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/29/04	
Isopropylbenzene	<10.	U		10.	09/29/04	
1,3-Dichlorobenzene	<10.	U		10.	09/29/04	
1,4-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/29/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/29/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	107		76 - 114
Toluene-d8 (surrogate)	100		88 - 110
Bromofluorobenzene (surrogate)	92		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7197
Sample Description: GWS-13-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/29/04	
Chloromethane	<10.	U		10.	09/29/04	
Vinyl chloride	<10.	U		10.	09/29/04	
Bromomethane	<10.	U		10.	09/29/04	
Chloroethane	<10.	U		10.	09/29/04	
Trichlorofluoromethane	<10.	U		10.	09/29/04	
Acetone	<10.	U		10.	09/29/04	
1,1-Dichloroethene	<10.	U		10.	09/29/04	
Methylene chloride	J 2.	J		10.	09/29/04	
Methyl acetate	<10.	U		10.	09/29/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/29/04	
Carbon disulfide	<10.	U		10.	09/29/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Methyl tert-butyl ether	<10.	U		10.	09/29/04	
1,1-Dichloroethane	<10.	U		10.	09/29/04	
2-Butanone	<10.	U		10.	09/29/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/29/04	
Chloroform	<10.	U		10.	09/29/04	
1,2-Dichloroethane	<10.	U		10.	09/29/04	
1,1,1-Trichloroethane	<10.	U		10.	09/29/04	
Cyclohexane	<10.	U		10.	09/29/04	
Carbon tetrachloride	<10.	U		10.	09/29/04	
Benzene	<10.	U		10.	09/29/04	
Trichloroethene	<10.	U		10.	09/29/04	
1,2-Dichloropropane	<10.	U		10.	09/29/04	
Bromodichloromethane	<10.	U		10.	09/29/04	
Methylcyclohexane	<10.	U		10.	09/29/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/29/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/29/04	
1,1,2-Trichloroethane	<10.	U		10.	09/29/04	
Dibromochloromethane	<10.	U		10.	09/29/04	
Bromoform	<10.	U		10.	09/29/04	
4-Methyl-2-pentanone	<10.	U		10.	09/29/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7197
Sample Description: GWS-13-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/29/04

Matrix: Water
QC Batch: 092904W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	J .5	J		10.	09/29/04	
Tetrachloroethene	J .5	J		10.	09/29/04	
2-Hexanone	<10.	U		10.	09/29/04	
1,2-Dibromoethane	<10.	U		10.	09/29/04	
Chlorobenzene	<10.	U		10.	09/29/04	
Ethylbenzene	<10.	U		10.	09/29/04	
Xylene (total)	<10.	U		10.	09/29/04	
Styrene	<10.	U		10.	09/29/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/29/04	
Isopropylbenzene	<10.	U		10.	09/29/04	
1,3-Dichlorobenzene	<10.	U		10.	09/29/04	
1,4-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dichlorobenzene	<10.	U		10.	09/29/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/29/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/29/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	107		76 - 114
Toluene-d8 (surrogate)	101		88 - 110
Bromofluorobenzene (surrogate)	92		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7198
Sample Description: GWS-14-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/30/04	
Chloromethane	<10.	U		10.	09/30/04	
Vinyl chloride	<10.	U		10.	09/30/04	
Bromomethane	<10.	U		10.	09/30/04	
Chloroethane	<10.	U		10.	09/30/04	
Trichlorofluoromethane	<10.	U		10.	09/30/04	
Acetone	<10.	U		10.	09/30/04	
1,1-Dichloroethene	<10.	U		10.	09/30/04	
Methylene chloride	J 1.	J		10.	09/30/04	
Methyl acetate	<10.	U		10.	09/30/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/30/04	
Carbon disulfide	<10.	U		10.	09/30/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/30/04	
Methyl tert-butyl ether	<10.	U		10.	09/30/04	
1,1-Dichloroethane	<10.	U		10.	09/30/04	
2-Butanone	<10.	U		10.	09/30/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/30/04	
Chloroform	<10.	U		10.	09/30/04	
1,2-Dichloroethane	<10.	U		10.	09/30/04	
1,1,1-Trichloroethane	<10.	U		10.	09/30/04	
Cyclohexane	<10.	U		10.	09/30/04	
Carbon tetrachloride	<10.	U		10.	09/30/04	
Benzene	<10.	U		10.	09/30/04	
Trichloroethene	<10.	U		10.	09/30/04	
1,2-Dichloropropane	<10.	U		10.	09/30/04	
Bromodichloromethane	<10.	U		10.	09/30/04	
Methylcyclohexane	<10.	U		10.	09/30/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/30/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/30/04	
1,1,2-Trichloroethane	<10.	U		10.	09/30/04	
Dibromochloromethane	<10.	U		10.	09/30/04	
Bromoform	<10.	U		10.	09/30/04	
4-Methyl-2-pentanone	<10.	U		10.	09/30/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7198
Sample Description: GWS-14-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/30/04	
Tetrachloroethene	<10.	U		10.	09/30/04	
2-Hexanone	<10.	U		10.	09/30/04	
1,2-Dibromoethane	<10.	U		10.	09/30/04	
Chlorobenzene	<10.	U		10.	09/30/04	
Ethylbenzene	<10.	U		10.	09/30/04	
Xylene (total)	<10.	U		10.	09/30/04	
Styrene	<10.	U		10.	09/30/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/30/04	
Isopropylbenzene	<10.	U		10.	09/30/04	
1,3-Dichlorobenzene	<10.	U		10.	09/30/04	
1,4-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/30/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/30/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	111		76 - 114
Toluene-d8 (surrogate)	98		88 - 110
Bromofluorobenzene (surrogate)	104		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7199
Sample Description: GWS-15-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/30/04	
Chloromethane	<10.	U		10.	09/30/04	
Vinyl chloride	<10.	U		10.	09/30/04	
Bromomethane	<10.	U		10.	09/30/04	
Chloroethane	<10.	U		10.	09/30/04	
Trichlorofluoromethane	<10.	U		10.	09/30/04	
Acetone	<10.	U		10.	09/30/04	
1,1-Dichloroethene	<10.	U		10.	09/30/04	
Methylene chloride	J 2.	J		10.	09/30/04	
Methyl acetate	<10.	U		10.	09/30/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/30/04	
Carbon disulfide	<10.	U		10.	09/30/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/30/04	
Methyl tert-butyl ether	<10.	U		10.	09/30/04	
1,1-Dichloroethane	<10.	U		10.	09/30/04	
2-Butanone	<10.	U		10.	09/30/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/30/04	
Chloroform	<10.	U		10.	09/30/04	
1,2-Dichloroethane	<10.	U		10.	09/30/04	
1,1,1-Trichloroethane	<10.	U		10.	09/30/04	
Cyclohexane	<10.	U		10.	09/30/04	
Carbon tetrachloride	<10.	U		10.	09/30/04	
Benzene	<10.	U		10.	09/30/04	
Trichloroethene	<10.	U		10.	09/30/04	
1,2-Dichloropropane	<10.	U		10.	09/30/04	
Bromodichloromethane	<10.	U		10.	09/30/04	
Methylcyclohexane	<10.	U		10.	09/30/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/30/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/30/04	
1,1,2-Trichloroethane	<10.	U		10.	09/30/04	
Dibromochloromethane	<10.	U		10.	09/30/04	
Bromoform	<10.	U		10.	09/30/04	
4-Methyl-2-pentanone	<10.	U		10.	09/30/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7199
Sample Description: GWS-15-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/30/04	
Tetrachloroethene	<10.	U		10.	09/30/04	
2-Hexanone	<10.	U		10.	09/30/04	
1,2-Dibromoethane	<10.	U		10.	09/30/04	
Chlorobenzene	<10.	U		10.	09/30/04	
Ethylbenzene	<10.	U		10.	09/30/04	
Xylene (total)	<10.	U		10.	09/30/04	
Styrene	<10.	U		10.	09/30/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/30/04	
Isopropylbenzene	<10.	U		10.	09/30/04	
1,3-Dichlorobenzene	<10.	U		10.	09/30/04	
1,4-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/30/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/30/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	106		76 - 114
Toluene-d8 (surrogate)	103		88 - 110
Bromofluorobenzene (surrogate)	96		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7200
Sample Description: GWS-16-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/30/04	
Chloromethane	<10.	U		10.	09/30/04	
Vinyl chloride	<10.	U		10.	09/30/04	
Bromomethane	<10.	U		10.	09/30/04	
Chloroethane	<10.	U		10.	09/30/04	
Trichlorofluoromethane	<10.	U		10.	09/30/04	
Acetone	J 4.	J		10.	09/30/04	
1,1-Dichloroethene	<10.	U		10.	09/30/04	
Methylene chloride	J 1.	J		10.	09/30/04	
Methyl acetate	<10.	U		10.	09/30/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/30/04	
Carbon disulfide	<10.	U		10.	09/30/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/30/04	
Methyl tert-butyl ether	<10.	U		10.	09/30/04	
1,1-Dichloroethane	<10.	U		10.	09/30/04	
2-Butanone	<10.	U		10.	09/30/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/30/04	
Chloroform	<10.	U		10.	09/30/04	
1,2-Dichloroethane	<10.	U		10.	09/30/04	
1,1,1-Trichloroethane	<10.	U		10.	09/30/04	
Cyclohexane	<10.	U		10.	09/30/04	
Carbon tetrachloride	<10.	U		10.	09/30/04	
Benzene	<10.	U		10.	09/30/04	
Trichloroethene	<10.	U		10.	09/30/04	
1,2-Dichloropropane	<10.	U		10.	09/30/04	
Bromodichloromethane	<10.	U		10.	09/30/04	
Methylcyclohexane	<10.	U		10.	09/30/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/30/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/30/04	
1,1,2-Trichloroethane	<10.	U		10.	09/30/04	
Dibromochloromethane	<10.	U		10.	09/30/04	
Bromoform	<10.	U		10.	09/30/04	
4-Methyl-2-pentanone	<10.	U		10.	09/30/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7200
Sample Description: GWS-16-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/30/04	
Tetrachloroethene	<10.	U		10.	09/30/04	
2-Hexanone	<10.	U		10.	09/30/04	
1,2-Dibromoethane	<10.	U		10.	09/30/04	
Chlorobenzene	<10.	U		10.	09/30/04	
Ethylbenzene	<10.	U		10.	09/30/04	
Xylene (total)	<10.	U		10.	09/30/04	
Styrene	<10.	U		10.	09/30/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/30/04	
Isopropylbenzene	<10.	U		10.	09/30/04	
1,3-Dichlorobenzene	<10.	U		10.	09/30/04	
1,4-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/30/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/30/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	109		76 - 114
Toluene-d8 (surrogate)	101		88 - 110
Bromofluorobenzene (surrogate)	96		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7201
Sample Description: GWS-6-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/30/04	
Chloromethane	<10.	U		10.	09/30/04	
Vinyl chloride	<10.	U		10.	09/30/04	
Bromomethane	<10.	U		10.	09/30/04	
Chloroethane	<10.	U		10.	09/30/04	
Trichlorofluoromethane	<10.	U		10.	09/30/04	
Acetone	<10.	U		10.	09/30/04	
1,1-Dichloroethene	<10.	U		10.	09/30/04	
Methylene chloride	J 1.	J		10.	09/30/04	
Methyl acetate	<10.	U		10.	09/30/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/30/04	
Carbon disulfide	<10.	U		10.	09/30/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/30/04	
Methyl tert-butyl ether	<10.	U		10.	09/30/04	
1,1-Dichloroethane	<10.	U		10.	09/30/04	
2-Butanone	<10.	U		10.	09/30/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/30/04	
Chloroform	<10.	U		10.	09/30/04	
1,2-Dichloroethane	<10.	U		10.	09/30/04	
1,1,1-Trichloroethane	<10.	U		10.	09/30/04	
Cyclohexane	<10.	U		10.	09/30/04	
Carbon tetrachloride	<10.	U		10.	09/30/04	
Benzene	<10.	U		10.	09/30/04	
Trichloroethene	<10.	U		10.	09/30/04	
1,2-Dichloropropane	<10.	U		10.	09/30/04	
Bromodichloromethane	<10.	U		10.	09/30/04	
Methylcyclohexane	<10.	U		10.	09/30/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/30/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/30/04	
1,1,2-Trichloroethane	<10.	U		10.	09/30/04	
Dibromochloromethane	<10.	U		10.	09/30/04	
Bromoform	<10.	U		10.	09/30/04	
4-Methyl-2-pentanone	<10.	U		10.	09/30/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7201
Sample Description: GWS-6-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/30/04	
Tetrachloroethene	<10.	U		10.	09/30/04	
2-Hexanone	<10.	U		10.	09/30/04	
1,2-Dibromoethane	<10.	U		10.	09/30/04	
Chlorobenzene	<10.	U		10.	09/30/04	
Ethylbenzene	<10.	U		10.	09/30/04	
Xylene (total)	<10.	U		10.	09/30/04	
Styrene	<10.	U		10.	09/30/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/30/04	
Isopropylbenzene	<10.	U		10.	09/30/04	
1,3-Dichlorobenzene	<10.	U		10.	09/30/04	
1,4-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/30/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/30/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	108		76 - 114
Toluene-d8 (surrogate)	102		88 - 110
Bromofluorobenzene (surrogate)	100		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7202
Sample Description: SUMP-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/30/04	
Chloromethane	<10.	U		10.	09/30/04	
Vinyl chloride	97.			10.	09/30/04	
Bromomethane	<10.	U		10.	09/30/04	
Chloroethane	<10.	U		10.	09/30/04	
Trichlorofluoromethane	<10.	U		10.	09/30/04	
Acetone	J 2.	J		10.	09/30/04	
1,1-Dichloroethene	J .9	J		10.	09/30/04	
Methylene chloride	J 2.	J		10.	09/30/04	
Methyl acetate	<10.	U		10.	09/30/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/30/04	
Carbon disulfide	<10.	U		10.	09/30/04	
trans-1,2-Dichloroethene	J 3.	J		10.	09/30/04	
Methyl tert-butyl ether	<10.	U		10.	09/30/04	
1,1-Dichloroethane	<10.	U		10.	09/30/04	
2-Butanone	<10.	U		10.	09/30/04	
cis-1,2-Dichloroethene	800.			10.	09/30/04	
Chloroform	<10.	U		10.	09/30/04	
1,2-Dichloroethane	<10.	U		10.	09/30/04	
1,1,1-Trichloroethane	<10.	U		10.	09/30/04	
Cyclohexane	<10.	U		10.	09/30/04	
Carbon tetrachloride	<10.	U		10.	09/30/04	
Benzene	<10.	U		10.	09/30/04	
Trichloroethene	26.			10.	09/30/04	
1,2-Dichloropropane	<10.	U		10.	09/30/04	
Bromodichloromethane	<10.	U		10.	09/30/04	
Methylcyclohexane	<10.	U		10.	09/30/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/30/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/30/04	
1,1,2-Trichloroethane	<10.	U		10.	09/30/04	
Dibromochloromethane	<10.	U		10.	09/30/04	
Bromoform	<10.	U		10.	09/30/04	
4-Methyl-2-pentanone	<10.	U		10.	09/30/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7202
Sample Description: SUMP-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/30/04	
Tetrachloroethene	79.			10.	09/30/04	
2-Hexanone	<10.	U		10.	09/30/04	
1,2-Dibromoethane	<10.	U		10.	09/30/04	
Chlorobenzene	<10.	U		10.	09/30/04	
Ethylbenzene	<10.	U		10.	09/30/04	
Xylene (total)	<10.	U		10.	09/30/04	
Styrene	<10.	U		10.	09/30/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/30/04	
Isopropylbenzene	<10.	U		10.	09/30/04	
1,3-Dichlorobenzene	<10.	U		10.	09/30/04	
1,4-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/30/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/30/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	109		76 - 114
Toluene-d8 (surrogate)	103		88 - 110
Bromofluorobenzene (surrogate)	101		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7202 DL
Sample Description: SUMP-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 10

Parameter	Result	Qual		MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<100.	U			100.	09/30/04	
Chloromethane	<100.	U			100.	09/30/04	
Vinyl chloride	J 96.	J	D		100.	09/30/04	
Bromomethane	<100.	U			100.	09/30/04	
Chloroethane	<100.	U			100.	09/30/04	
Trichlorofluoromethane	<100.	U			100.	09/30/04	
Acetone	<100.	U			100.	09/30/04	
1,1-Dichloroethene	<100.	U			100.	09/30/04	
Methylene chloride	J 12.	J	D		100.	09/30/04	
Methyl acetate	<100.	U			100.	09/30/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<100.	U			100.	09/30/04	
Carbon disulfide	<100.	U			100.	09/30/04	
trans-1,2-Dichloroethene	<100.	U			100.	09/30/04	
Methyl tert-butyl ether	<100.	U			100.	09/30/04	
1,1-Dichloroethane	<100.	U			100.	09/30/04	
2-Butanone	<100.	U			100.	09/30/04	
cis-1,2-Dichloroethene	960.		D		100.	09/30/04	
Chloroform	<100.	U			100.	09/30/04	
1,2-Dichloroethane	<100.	U			100.	09/30/04	
1,1,1-Trichloroethane	<100.	U			100.	09/30/04	
Cyclohexane	<100.	U			100.	09/30/04	
Carbon tetrachloride	<100.	U			100.	09/30/04	
Benzene	<100.	U			100.	09/30/04	
Trichloroethene	J 21.	J	D		100.	09/30/04	
1,2-Dichloropropane	<100.	U			100.	09/30/04	
Bromodichloromethane	<100.	U			100.	09/30/04	
Methylcyclohexane	<100.	U			100.	09/30/04	
cis-1,3-Dichloropropene	<100.	U			100.	09/30/04	
trans-1,3-Dichloropropene	<100.	U			100.	09/30/04	
1,1,2-Trichloroethane	<100.	U			100.	09/30/04	
Dibromochloromethane	<100.	U			100.	09/30/04	
Bromoform	<100.	U			100.	09/30/04	
4-Methyl-2-pentanone	<100.	U			100.	09/30/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7202 DL
Sample Description: SUMP-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 10

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<100.	U		100.	09/30/04	
Tetrachloroethene	J 72.	J	D	100.	09/30/04	
2-Hexanone	<100.	U		100.	09/30/04	
1,2-Dibromoethane	<100.	U		100.	09/30/04	
Chlorobenzene	<100.	U		100.	09/30/04	
Ethylbenzene	<100.	U		100.	09/30/04	
Xylene (total)	<100.	U		100.	09/30/04	
Styrene	<100.	U		100.	09/30/04	
1,1,2,2-Tetrachloroethane	<100.	U		100.	09/30/04	
Isopropylbenzene	<100.	U		100.	09/30/04	
1,3-Dichlorobenzene	<100.	U		100.	09/30/04	
1,4-Dichlorobenzene	<100.	U		100.	09/30/04	
1,2-Dichlorobenzene	<100.	U		100.	09/30/04	
1,2-Dibromo-3-chloropropane	<100.	U		100.	09/30/04	
1,2,4-Trichlorobenzene	<100.	U		100.	09/30/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	112		76 - 114
Toluene-d8 (surrogate)	100		88 - 110
Bromofluorobenzene (surrogate)	104		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7203
Sample Description: EQB-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/30/04	
Chloromethane	<10.	U		10.	09/30/04	
Vinyl chloride	<10.	U		10.	09/30/04	
Bromomethane	<10.	U		10.	09/30/04	
Chloroethane	<10.	U		10.	09/30/04	
Trichlorofluoromethane	<10.	U		10.	09/30/04	
Acetone	<10.	U		10.	09/30/04	
1,1-Dichloroethene	<10.	U		10.	09/30/04	
Methylene chloride	J 1.	J		10.	09/30/04	
Methyl acetate	<10.	U		10.	09/30/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/30/04	
Carbon disulfide	<10.	U		10.	09/30/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/30/04	
Methyl tert-butyl ether	<10.	U		10.	09/30/04	
1,1-Dichloroethane	<10.	U		10.	09/30/04	
2-Butanone	<10.	U		10.	09/30/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/30/04	
Chloroform	<10.	U		10.	09/30/04	
1,2-Dichloroethane	<10.	U		10.	09/30/04	
1,1,1-Trichloroethane	<10.	U		10.	09/30/04	
Cyclohexane	<10.	U		10.	09/30/04	
Carbon tetrachloride	<10.	U		10.	09/30/04	
Benzene	<10.	U		10.	09/30/04	
Trichloroethene	<10.	U		10.	09/30/04	
1,2-Dichloropropane	<10.	U		10.	09/30/04	
Bromodichloromethane	<10.	U		10.	09/30/04	
Methylcyclohexane	<10.	U		10.	09/30/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/30/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/30/04	
1,1,2-Trichloroethane	<10.	U		10.	09/30/04	
Dibromochloromethane	<10.	U		10.	09/30/04	
Bromoform	<10.	U		10.	09/30/04	
4-Methyl-2-pentanone	<10.	U		10.	09/30/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7203
Sample Description: EQB-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/24/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/30/04	
Tetrachloroethene	<10.	U		10.	09/30/04	
2-Hexanone	<10.	U		10.	09/30/04	
1,2-Dibromoethane	<10.	U		10.	09/30/04	
Chlorobenzene	<10.	U		10.	09/30/04	
Ethylbenzene	<10.	U		10.	09/30/04	
Xylene (total)	<10.	U		10.	09/30/04	
Styrene	<10.	U		10.	09/30/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/30/04	
Isopropylbenzene	<10.	U		10.	09/30/04	
1,3-Dichlorobenzene	<10.	U		10.	09/30/04	
1,4-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/30/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/30/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	108		76 - 114
Toluene-d8 (surrogate)	103		88 - 110
Bromofluorobenzene (surrogate)	102		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7204
Sample Description: TB-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	09/30/04	
Chloromethane	<10.	U		10.	09/30/04	
Vinyl chloride	<10.	U		10.	09/30/04	
Bromomethane	<10.	U		10.	09/30/04	
Chloroethane	<10.	U		10.	09/30/04	
Trichlorofluoromethane	<10.	U		10.	09/30/04	
Acetone	<10.	U		10.	09/30/04	
1,1-Dichloroethene	<10.	U		10.	09/30/04	
Methylene chloride	J 2.	J		10.	09/30/04	
Methyl acetate	<10.	U		10.	09/30/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	09/30/04	
Carbon disulfide	<10.	U		10.	09/30/04	
trans-1,2-Dichloroethene	<10.	U		10.	09/30/04	
Methyl tert-butyl ether	<10.	U		10.	09/30/04	
1,1-Dichloroethane	<10.	U		10.	09/30/04	
2-Butanone	<10.	U		10.	09/30/04	
cis-1,2-Dichloroethene	<10.	U		10.	09/30/04	
Chloroform	<10.	U		10.	09/30/04	
1,2-Dichloroethane	<10.	U		10.	09/30/04	
1,1,1-Trichloroethane	<10.	U		10.	09/30/04	
Cyclohexane	<10.	U		10.	09/30/04	
Carbon tetrachloride	<10.	U		10.	09/30/04	
Benzene	<10.	U		10.	09/30/04	
Trichloroethene	<10.	U		10.	09/30/04	
1,2-Dichloropropane	<10.	U		10.	09/30/04	
Bromodichloromethane	<10.	U		10.	09/30/04	
Methylcyclohexane	<10.	U		10.	09/30/04	
cis-1,3-Dichloropropene	<10.	U		10.	09/30/04	
trans-1,3-Dichloropropene	<10.	U		10.	09/30/04	
1,1,2-Trichloroethane	<10.	U		10.	09/30/04	
Dibromochloromethane	<10.	U		10.	09/30/04	
Bromoform	<10.	U		10.	09/30/04	
4-Methyl-2-pentanone	<10.	U		10.	09/30/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 8999
Sample: E7204
Sample Description: TB-092404
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/24/04
Prepared: 09/30/04

Matrix: Water
QC Batch: 092904W5
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	09/30/04	
Tetrachloroethene	<10.	U		10.	09/30/04	
2-Hexanone	<10.	U		10.	09/30/04	
1,2-Dibromoethane	<10.	U		10.	09/30/04	
Chlorobenzene	<10.	U		10.	09/30/04	
Ethylbenzene	<10.	U		10.	09/30/04	
Xylene (total)	<10.	U		10.	09/30/04	
Styrene	<10.	U		10.	09/30/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	09/30/04	
Isopropylbenzene	<10.	U		10.	09/30/04	
1,3-Dichlorobenzene	<10.	U		10.	09/30/04	
1,4-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dichlorobenzene	<10.	U		10.	09/30/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	09/30/04	
1,2,4-Trichlorobenzene	<10.	U		10.	09/30/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	108		76 - 114
Toluene-d8 (surrogate)	102		88 - 110
Bromofluorobenzene (surrogate)	96		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: October 8, 2004 Thomas Alexander

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Appendix F

Monitoring Well Sampling Results

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9607
Sample: F1047
Sample Description: MW-2 121604
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/16/04
Received: 12/17/04
Prepared: 12/21/04

Matrix: Water
QC Batch: 122104W2
%Solids:
Sample Size: 5 mL
Dilution: 5

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<50.	U		50.	12/21/04	
Chloromethane	<50.	U		50.	12/21/04	
Vinyl chloride	<50.	U		50.	12/21/04	
Bromomethane	<50.	U		50.	12/21/04	
Chloroethane	<50.	U		50.	12/21/04	
Trichlorofluoromethane	<50.	U		50.	12/21/04	
Acetone	<50.	U		50.	12/21/04	
1,1-Dichloroethene	<50.	U		50.	12/21/04	
Methylene chloride	J 9.	J		50.	12/21/04	
Methyl acetate	<50.	U		50.	12/21/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<50.	U		50.	12/21/04	
Carbon disulfide	<50.	U		50.	12/21/04	
trans-1,2-Dichloroethene	<50.	U		50.	12/21/04	
Methyl tert-butyl ether	<50.	U		50.	12/21/04	
1,1-Dichloroethane	<50.	U		50.	12/21/04	
2-Butanone	<50.	U		50.	12/21/04	
cis-1,2-Dichloroethene	56.			50.	12/21/04	
Chloroform	<50.	U		50.	12/21/04	
1,2-Dichloroethane	<50.	U		50.	12/21/04	
1,1,1-Trichloroethane	<50.	U		50.	12/21/04	
Cyclohexane	<50.	U		50.	12/21/04	
Carbon tetrachloride	<50.	U		50.	12/21/04	
Benzene	<50.	U		50.	12/21/04	
Trichloroethene	54.			50.	12/21/04	
1,2-Dichloropropane	<50.	U		50.	12/21/04	
Bromodichloromethane	<50.	U		50.	12/21/04	
Methylcyclohexane	<50.	U		50.	12/21/04	
cis-1,3-Dichloropropene	<50.	U		50.	12/21/04	
trans-1,3-Dichloropropene	<50.	U		50.	12/21/04	
1,1,2-Trichloroethane	<50.	U		50.	12/21/04	
Dibromochloromethane	<50.	U		50.	12/21/04	
Bromoform	<50.	U		50.	12/21/04	
4-Methyl-2-pentanone	<50.	U		50.	12/21/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9607
Sample: F1047
Sample Description: MW-2 121604
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/16/04
Received: 12/17/04
Prepared: 12/21/04

Matrix: Water
QC Batch: 122104W2
%Solids:
Sample Size: 5 mL
Dilution: 5

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<50.	U		50.	12/21/04	
Tetrachloroethene	640.			50.	12/21/04	
2-Hexanone	<50.	U		50.	12/21/04	
1,2-Dibromoethane	<50.	U		50.	12/21/04	
Chlorobenzene	<50.	U		50.	12/21/04	
Ethylbenzene	<50.	U		50.	12/21/04	
Xylene (total)	<50.	U		50.	12/21/04	
Styrene	<50.	U		50.	12/21/04	
1,1,2,2-Tetrachloroethane	<50.	U		50.	12/21/04	
Isopropylbenzene	<50.	U		50.	12/21/04	
1,3-Dichlorobenzene	<50.	U		50.	12/21/04	
1,4-Dichlorobenzene	<50.	U		50.	12/21/04	
1,2-Dichlorobenzene	<50.	U		50.	12/21/04	
1,2-Dibromo-3-chloropropane	<50.	U		50.	12/21/04	
1,2,4-Trichlorobenzene	<50.	U		50.	12/21/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	98		76 - 114
Toluene-d8 (surrogate)	101		88 - 110
Bromofluorobenzene (surrogate)	104		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9607
Sample: F1048
Sample Description: MW-3 121604
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/16/04
Received: 12/17/04
Prepared: 12/22/04

Matrix: Water
QC Batch: 122204W1
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	12/22/04	
Chloromethane	<10.	U		10.	12/22/04	
Vinyl chloride	<10.	U		10.	12/22/04	
Bromomethane	<10.	U		10.	12/22/04	
Chloroethane	<10.	U		10.	12/22/04	
Trichlorofluoromethane	<10.	U		10.	12/22/04	
Acetone	<10.	U		10.	12/22/04	
1,1-Dichloroethene	<10.	U		10.	12/22/04	
Methylene chloride	<10.	U		10.	12/22/04	
Methyl acetate	<10.	U		10.	12/22/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	12/22/04	
Carbon disulfide	<10.	U		10.	12/22/04	
trans-1,2-Dichloroethene	<10.	U		10.	12/22/04	
Methyl tert-butyl ether	<10.	U		10.	12/22/04	
1,1-Dichloroethane	<10.	U		10.	12/22/04	
2-Butanone	<10.	U		10.	12/22/04	
cis-1,2-Dichloroethene	<10.	U		10.	12/22/04	
Chloroform	<10.	U		10.	12/22/04	
1,2-Dichloroethane	<10.	U		10.	12/22/04	
1,1,1-Trichloroethane	<10.	U		10.	12/22/04	
Cyclohexane	<10.	U		10.	12/22/04	
Carbon tetrachloride	<10.	U		10.	12/22/04	
Benzene	<10.	U		10.	12/22/04	
Trichloroethene	<10.	U		10.	12/22/04	
1,2-Dichloropropane	<10.	U		10.	12/22/04	
Bromodichloromethane	<10.	U		10.	12/22/04	
Methylcyclohexane	<10.	U		10.	12/22/04	
cis-1,3-Dichloropropene	<10.	U		10.	12/22/04	
trans-1,3-Dichloropropene	<10.	U		10.	12/22/04	
1,1,2-Trichloroethane	<10.	U		10.	12/22/04	
Dibromochloromethane	<10.	U		10.	12/22/04	
Bromoform	<10.	U		10.	12/22/04	
4-Methyl-2-pentanone	<10.	U		10.	12/22/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9607
Sample: F1048
Sample Description: MW-3 121604
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/16/04
Received: 12/17/04
Prepared: 12/22/04

Matrix: Water
QC Batch: 122204W1
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	12/22/04	
Tetrachloroethene	<10.	U		10.	12/22/04	
2-Hexanone	<10.	U		10.	12/22/04	
1,2-Dibromoethane	<10.	U		10.	12/22/04	
Chlorobenzene	<10.	U		10.	12/22/04	
Ethylbenzene	<10.	U		10.	12/22/04	
Xylene (total)	<10.	U		10.	12/22/04	
Styrene	<10.	U		10.	12/22/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	12/22/04	
Isopropylbenzene	<10.	U		10.	12/22/04	
1,3-Dichlorobenzene	<10.	U		10.	12/22/04	
1,4-Dichlorobenzene	<10.	U		10.	12/22/04	
1,2-Dichlorobenzene	<10.	U		10.	12/22/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	12/22/04	
1,2,4-Trichlorobenzene	<10.	U		10.	12/22/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	104		76 - 114
Toluene-d8 (surrogate)	95		88 - 110
Bromofluorobenzene (surrogate)	94		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9607
Sample: F1049
Sample Description: MW-7 121604
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/16/04
Received: 12/17/04
Prepared: 12/21/04

Matrix: Water
QC Batch: 122104W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	12/21/04	
Chloromethane	<10.	U		10.	12/21/04	
Vinyl chloride	J 5.	J		10.	12/21/04	
Bromomethane	<10.	U		10.	12/21/04	
Chloroethane	J .7	J		10.	12/21/04	
Trichlorofluoromethane	<10.	U		10.	12/21/04	
Acetone	<10.	U		10.	12/21/04	
1,1-Dichloroethene	<10.	U		10.	12/21/04	
Methylene chloride	J 2.	J		10.	12/21/04	
Methyl acetate	<10.	U		10.	12/21/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	12/21/04	
Carbon disulfide	<10.	U		10.	12/21/04	
trans-1,2-Dichloroethene	<10.	U		10.	12/21/04	
Methyl tert-butyl ether	<10.	U		10.	12/21/04	
1,1-Dichloroethane	<10.	U		10.	12/21/04	
2-Butanone	<10.	U		10.	12/21/04	
cis-1,2-Dichloroethene	J 5.	J		10.	12/21/04	
Chloroform	<10.	U		10.	12/21/04	
1,2-Dichloroethane	<10.	U		10.	12/21/04	
1,1,1-Trichloroethane	<10.	U		10.	12/21/04	
Cyclohexane	<10.	U		10.	12/21/04	
Carbon tetrachloride	<10.	U		10.	12/21/04	
Benzene	<10.	U		10.	12/21/04	
Trichloroethene	<10.	U		10.	12/21/04	
1,2-Dichloropropane	<10.	U		10.	12/21/04	
Bromodichloromethane	<10.	U		10.	12/21/04	
Methylcyclohexane	<10.	U		10.	12/21/04	
cis-1,3-Dichloropropene	<10.	U		10.	12/21/04	
trans-1,3-Dichloropropene	<10.	U		10.	12/21/04	
1,1,2-Trichloroethane	<10.	U		10.	12/21/04	
Dibromochloromethane	<10.	U		10.	12/21/04	
Bromoform	<10.	U		10.	12/21/04	
4-Methyl-2-pentanone	<10.	U		10.	12/21/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9607
Sample: F1049
Sample Description: MW-7 121604
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/16/04
Received: 12/17/04
Prepared: 12/21/04

Matrix: Water
QC Batch: 122104W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	12/21/04	
Tetrachloroethene	<10.	U		10.	12/21/04	
2-Hexanone	<10.	U		10.	12/21/04	
1,2-Dibromoethane	<10.	U		10.	12/21/04	
Chlorobenzene	<10.	U		10.	12/21/04	
Ethylbenzene	<10.	U		10.	12/21/04	
Xylene (total)	<10.	U		10.	12/21/04	
Styrene	<10.	U		10.	12/21/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	12/21/04	
Isopropylbenzene	<10.	U		10.	12/21/04	
1,3-Dichlorobenzene	<10.	U		10.	12/21/04	
1,4-Dichlorobenzene	<10.	U		10.	12/21/04	
1,2-Dichlorobenzene	<10.	U		10.	12/21/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	12/21/04	
1,2,4-Trichlorobenzene	<10.	U		10.	12/21/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	112		76 - 114
Toluene-d8 (surrogate)	102		88 - 110
Bromofluorobenzene (surrogate)	106		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9607
Sample: F1050
Sample Description: MW-6 121604
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/16/04
Received: 12/17/04
Prepared: 12/21/04

Matrix: Water
QC Batch: 122104W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	12/21/04	
Chloromethane	<10.	U		10.	12/21/04	
Vinyl chloride	J .7	J		10.	12/21/04	
Bromomethane	<10.	U		10.	12/21/04	
Chloroethane	<10.	U		10.	12/21/04	
Trichlorofluoromethane	<10.	U		10.	12/21/04	
Acetone	<10.	U		10.	12/21/04	
1,1-Dichloroethene	<10.	U		10.	12/21/04	
Methylene chloride	J 1.	J		10.	12/21/04	
Methyl acetate	<10.	U		10.	12/21/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	12/21/04	
Carbon disulfide	<10.	U		10.	12/21/04	
trans-1,2-Dichloroethene	<10.	U		10.	12/21/04	
Methyl tert-butyl ether	<10.	U		10.	12/21/04	
1,1-Dichloroethane	<10.	U		10.	12/21/04	
2-Butanone	<10.	U		10.	12/21/04	
cis-1,2-Dichloroethene	70.			10.	12/21/04	
Chloroform	<10.	U		10.	12/21/04	
1,2-Dichloroethane	<10.	U		10.	12/21/04	
1,1,1-Trichloroethane	<10.	U		10.	12/21/04	
Cyclohexane	<10.	U		10.	12/21/04	
Carbon tetrachloride	<10.	U		10.	12/21/04	
Benzene	<10.	U		10.	12/21/04	
Trichloroethene	J 6.	J		10.	12/21/04	
1,2-Dichloropropane	<10.	U		10.	12/21/04	
Bromodichloromethane	<10.	U		10.	12/21/04	
Methylcyclohexane	<10.	U		10.	12/21/04	
cis-1,3-Dichloropropene	<10.	U		10.	12/21/04	
trans-1,3-Dichloropropene	<10.	U		10.	12/21/04	
1,1,2-Trichloroethane	<10.	U		10.	12/21/04	
Dibromochloromethane	<10.	U		10.	12/21/04	
Bromoform	<10.	U		10.	12/21/04	
4-Methyl-2-pentanone	<10.	U		10.	12/21/04	

B - Analyte detected above the PQL in the associated Prep Blank.
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J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9607
Sample: F1050
Sample Description: MW-6 121604
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/16/04
Received: 12/17/04
Prepared: 12/21/04

Matrix: Water
QC Batch: 122104W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	12/21/04	
Tetrachloroethene	J 5.	J		10.	12/21/04	
2-Hexanone	<10.	U		10.	12/21/04	
1,2-Dibromoethane	<10.	U		10.	12/21/04	
Chlorobenzene	<10.	U		10.	12/21/04	
Ethylbenzene	<10.	U		10.	12/21/04	
Xylene (total)	<10.	U		10.	12/21/04	
Styrene	<10.	U		10.	12/21/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	12/21/04	
Isopropylbenzene	<10.	U		10.	12/21/04	
1,3-Dichlorobenzene	<10.	U		10.	12/21/04	
1,4-Dichlorobenzene	<10.	U		10.	12/21/04	
1,2-Dichlorobenzene	<10.	U		10.	12/21/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	12/21/04	
1,2,4-Trichlorobenzene	<10.	U		10.	12/21/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	100		76 - 114
Toluene-d8 (surrogate)	103		88 - 110
Bromofluorobenzene (surrogate)	103		86 - 115

Notes:

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- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9607
Sample: F1051
Sample Description: MW-1 121604
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/16/04
Received: 12/17/04
Prepared: 12/21/04

Matrix: Water
QC Batch: 122104W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	12/21/04	
Chloromethane	<10.	U		10.	12/21/04	
Vinyl chloride	110.			10.	12/21/04	
Bromomethane	<10.	U		10.	12/21/04	
Chloroethane	<10.	U		10.	12/21/04	
Trichlorofluoromethane	<10.	U		10.	12/21/04	
Acetone	<10.	U		10.	12/21/04	
1,1-Dichloroethene	<10.	U		10.	12/21/04	
Methylene chloride	J 1.	J		10.	12/21/04	
Methyl acetate	<10.	U		10.	12/21/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	12/21/04	
Carbon disulfide	<10.	U		10.	12/21/04	
trans-1,2-Dichloroethene	<10.	U		10.	12/21/04	
Methyl tert-butyl ether	<10.	U		10.	12/21/04	
1,1-Dichloroethane	<10.	U		10.	12/21/04	
2-Butanone	<10.	U		10.	12/21/04	
cis-1,2-Dichloroethene	45.			10.	12/21/04	
Chloroform	<10.	U		10.	12/21/04	
1,2-Dichloroethane	<10.	U		10.	12/21/04	
1,1,1-Trichloroethane	<10.	U		10.	12/21/04	
Cyclohexane	<10.	U		10.	12/21/04	
Carbon tetrachloride	<10.	U		10.	12/21/04	
Benzene	<10.	U		10.	12/21/04	
Trichloroethene	J .9	J		10.	12/21/04	
1,2-Dichloropropane	<10.	U		10.	12/21/04	
Bromodichloromethane	<10.	U		10.	12/21/04	
Methylcyclohexane	<10.	U		10.	12/21/04	
cis-1,3-Dichloropropene	<10.	U		10.	12/21/04	
trans-1,3-Dichloropropene	<10.	U		10.	12/21/04	
1,1,2-Trichloroethane	<10.	U		10.	12/21/04	
Dibromochloromethane	<10.	U		10.	12/21/04	
Bromoform	<10.	U		10.	12/21/04	
4-Methyl-2-pentanone	<10.	U		10.	12/21/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9607
Sample: F1051
Sample Description: MW-1 121604
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/16/04
Received: 12/17/04
Prepared: 12/21/04

Matrix: Water
QC Batch: 122104W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	12/21/04	
Tetrachloroethene	<10.	U		10.	12/21/04	
2-Hexanone	<10.	U		10.	12/21/04	
1,2-Dibromoethane	<10.	U		10.	12/21/04	
Chlorobenzene	<10.	U		10.	12/21/04	
Ethylbenzene	<10.	U		10.	12/21/04	
Xylene (total)	<10.	U		10.	12/21/04	
Styrene	<10.	U		10.	12/21/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	12/21/04	
Isopropylbenzene	<10.	U		10.	12/21/04	
1,3-Dichlorobenzene	<10.	U		10.	12/21/04	
1,4-Dichlorobenzene	<10.	U		10.	12/21/04	
1,2-Dichlorobenzene	<10.	U		10.	12/21/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	12/21/04	
1,2,4-Trichlorobenzene	<10.	U		10.	12/21/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	108		76 - 114
Toluene-d8 (surrogate)	104		88 - 110
Bromofluorobenzene (surrogate)	104		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9607
Sample: F1052
Sample Description: X-1 121604
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/16/04
Received: 12/17/04
Prepared: 12/21/04

Matrix: Water
QC Batch: 122104W2
%Solids:
Sample Size: 5 mL
Dilution: 5

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<50.	U		50.	12/21/04	
Chloromethane	<50.	U		50.	12/21/04	
Vinyl chloride	<50.	U		50.	12/21/04	
Bromomethane	<50.	U		50.	12/21/04	
Chloroethane	<50.	U		50.	12/21/04	
Trichlorofluoromethane	<50.	U		50.	12/21/04	
Acetone	<50.	U		50.	12/21/04	
1,1-Dichloroethene	<50.	U		50.	12/21/04	
Methylene chloride	J 7.	J		50.	12/21/04	
Methyl acetate	<50.	U		50.	12/21/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<50.	U		50.	12/21/04	
Carbon disulfide	<50.	U		50.	12/21/04	
trans-1,2-Dichloroethene	<50.	U		50.	12/21/04	
Methyl tert-butyl ether	<50.	U		50.	12/21/04	
1,1-Dichloroethane	<50.	U		50.	12/21/04	
2-Butanone	<50.	U		50.	12/21/04	
cis-1,2-Dichloroethene	55.			50.	12/21/04	
Chloroform	<50.	U		50.	12/21/04	
1,2-Dichloroethane	<50.	U		50.	12/21/04	
1,1,1-Trichloroethane	<50.	U		50.	12/21/04	
Cyclohexane	<50.	U		50.	12/21/04	
Carbon tetrachloride	<50.	U		50.	12/21/04	
Benzene	<50.	U		50.	12/21/04	
Trichloroethene	52.			50.	12/21/04	
1,2-Dichloropropane	<50.	U		50.	12/21/04	
Bromodichloromethane	<50.	U		50.	12/21/04	
Methylcyclohexane	<50.	U		50.	12/21/04	
cis-1,3-Dichloropropene	<50.	U		50.	12/21/04	
trans-1,3-Dichloropropene	<50.	U		50.	12/21/04	
1,1,2-Trichloroethane	<50.	U		50.	12/21/04	
Dibromochloromethane	<50.	U		50.	12/21/04	
Bromoform	<50.	U		50.	12/21/04	
4-Methyl-2-pentanone	<50.	U		50.	12/21/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9607
Sample: F1052
Sample Description: X-1 121604
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/16/04
Received: 12/17/04
Prepared: 12/21/04

Matrix: Water
QC Batch: 122104W2
%Solids:
Sample Size: 5 mL
Dilution: 5

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<50.	U		50.	12/21/04	
Tetrachloroethene	670.			50.	12/21/04	
2-Hexanone	<50.	U		50.	12/21/04	
1,2-Dibromoethane	<50.	U		50.	12/21/04	
Chlorobenzene	<50.	U		50.	12/21/04	
Ethylbenzene	<50.	U		50.	12/21/04	
Xylene (total)	<50.	U		50.	12/21/04	
Styrene	<50.	U		50.	12/21/04	
1,1,2,2-Tetrachloroethane	<50.	U		50.	12/21/04	
Isopropylbenzene	<50.	U		50.	12/21/04	
1,3-Dichlorobenzene	<50.	U		50.	12/21/04	
1,4-Dichlorobenzene	<50.	U		50.	12/21/04	
1,2-Dichlorobenzene	<50.	U		50.	12/21/04	
1,2-Dibromo-3-chloropropane	<50.	U		50.	12/21/04	
1,2,4-Trichlorobenzene	<50.	U		50.	12/21/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	107		76 - 114
Toluene-d8 (surrogate)	110		88 - 110
Bromofluorobenzene (surrogate)	111		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1343
Sample Description: MW-9-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	12/23/04	
Chloromethane	<10.	U		10.	12/23/04	
Vinyl chloride	<10.	U		10.	12/23/04	
Bromomethane	<10.	U		10.	12/23/04	
Chloroethane	<10.	U		10.	12/23/04	
Trichlorofluoromethane	<10.	U		10.	12/23/04	
Acetone	<10.	U		10.	12/23/04	
1,1-Dichloroethene	<10.	U		10.	12/23/04	
Methylene chloride	J .6	J		10.	12/23/04	
Methyl acetate	<10.	U		10.	12/23/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	12/23/04	
Carbon disulfide	<10.	U		10.	12/23/04	
trans-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Methyl tert-butyl ether	<10.	U		10.	12/23/04	
1,1-Dichloroethane	<10.	U		10.	12/23/04	
2-Butanone	<10.	U		10.	12/23/04	
cis-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Chloroform	<10.	U		10.	12/23/04	
1,2-Dichloroethane	<10.	U		10.	12/23/04	
1,1,1-Trichloroethane	<10.	U		10.	12/23/04	
Cyclohexane	<10.	U		10.	12/23/04	
Carbon tetrachloride	<10.	U		10.	12/23/04	
Benzene	<10.	U		10.	12/23/04	
Trichloroethene	<10.	U		10.	12/23/04	
1,2-Dichloropropane	<10.	U		10.	12/23/04	
Bromodichloromethane	<10.	U		10.	12/23/04	
Methylcyclohexane	<10.	U		10.	12/23/04	
cis-1,3-Dichloropropene	<10.	U		10.	12/23/04	
trans-1,3-Dichloropropene	<10.	U		10.	12/23/04	
1,1,2-Trichloroethane	<10.	U		10.	12/23/04	
Dibromochloromethane	<10.	U		10.	12/23/04	
Bromoform	<10.	U		10.	12/23/04	
4-Methyl-2-pentanone	<10.	U		10.	12/23/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1343
Sample Description: MW-9-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	12/23/04	
Tetrachloroethene	<10.	U		10.	12/23/04	
2-Hexanone	<10.	U		10.	12/23/04	
1,2-Dibromoethane	<10.	U		10.	12/23/04	
Chlorobenzene	<10.	U		10.	12/23/04	
Ethylbenzene	<10.	U		10.	12/23/04	
Xylene (total)	<10.	U		10.	12/23/04	
Styrene	<10.	U		10.	12/23/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	12/23/04	
Isopropylbenzene	<10.	U		10.	12/23/04	
1,3-Dichlorobenzene	<10.	U		10.	12/23/04	
1,4-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	12/23/04	
1,2,4-Trichlorobenzene	<10.	U		10.	12/23/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	111		76 - 114
Toluene-d8 (surrogate)	103		88 - 110
Bromofluorobenzene (surrogate)	98		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1344
Sample Description: MW-10-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	12/23/04	
Chloromethane	<10.	U		10.	12/23/04	
Vinyl chloride	<10.	U		10.	12/23/04	
Bromomethane	<10.	U		10.	12/23/04	
Chloroethane	<10.	U		10.	12/23/04	
Trichlorofluoromethane	<10.	U		10.	12/23/04	
Acetone	<10.	U		10.	12/23/04	
1,1-Dichloroethene	<10.	U		10.	12/23/04	
Methylene chloride	J .5	J		10.	12/23/04	
Methyl acetate	<10.	U		10.	12/23/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	12/23/04	
Carbon disulfide	<10.	U		10.	12/23/04	
trans-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Methyl tert-butyl ether	<10.	U		10.	12/23/04	
1,1-Dichloroethane	<10.	U		10.	12/23/04	
2-Butanone	<10.	U		10.	12/23/04	
cis-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Chloroform	<10.	U		10.	12/23/04	
1,2-Dichloroethane	<10.	U		10.	12/23/04	
1,1,1-Trichloroethane	<10.	U		10.	12/23/04	
Cyclohexane	<10.	U		10.	12/23/04	
Carbon tetrachloride	<10.	U		10.	12/23/04	
Benzene	<10.	U		10.	12/23/04	
Trichloroethene	<10.	U		10.	12/23/04	
1,2-Dichloropropane	<10.	U		10.	12/23/04	
Bromodichloromethane	<10.	U		10.	12/23/04	
Methylcyclohexane	<10.	U		10.	12/23/04	
cis-1,3-Dichloropropene	<10.	U		10.	12/23/04	
trans-1,3-Dichloropropene	<10.	U		10.	12/23/04	
1,1,2-Trichloroethane	<10.	U		10.	12/23/04	
Dibromochloromethane	<10.	U		10.	12/23/04	
Bromoform	<10.	U		10.	12/23/04	
4-Methyl-2-pentanone	<10.	U		10.	12/23/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1344
Sample Description: MW-10-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	12/23/04	
Tetrachloroethene	<10.	U		10.	12/23/04	
2-Hexanone	<10.	U		10.	12/23/04	
1,2-Dibromoethane	<10.	U		10.	12/23/04	
Chlorobenzene	<10.	U		10.	12/23/04	
Ethylbenzene	<10.	U		10.	12/23/04	
Xylene (total)	<10.	U		10.	12/23/04	
Styrene	<10.	U		10.	12/23/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	12/23/04	
Isopropylbenzene	<10.	U		10.	12/23/04	
1,3-Dichlorobenzene	<10.	U		10.	12/23/04	
1,4-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	12/23/04	
1,2,4-Trichlorobenzene	<10.	U		10.	12/23/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	112		76 - 114
Toluene-d8 (surrogate)	103		88 - 110
Bromofluorobenzene (surrogate)	98		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1345
Sample Description: MW-11-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	12/23/04	
Chloromethane	<10.	U		10.	12/23/04	
Vinyl chloride	<10.	U		10.	12/23/04	
Bromomethane	<10.	U		10.	12/23/04	
Chloroethane	<10.	U		10.	12/23/04	
Trichlorofluoromethane	<10.	U		10.	12/23/04	
Acetone	<10.	U		10.	12/23/04	
1,1-Dichloroethene	<10.	U		10.	12/23/04	
Methylene chloride	J .6	J		10.	12/23/04	
Methyl acetate	<10.	U		10.	12/23/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	12/23/04	
Carbon disulfide	<10.	U		10.	12/23/04	
trans-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Methyl tert-butyl ether	<10.	U		10.	12/23/04	
1,1-Dichloroethane	<10.	U		10.	12/23/04	
2-Butanone	<10.	U		10.	12/23/04	
cis-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Chloroform	<10.	U		10.	12/23/04	
1,2-Dichloroethane	<10.	U		10.	12/23/04	
1,1,1-Trichloroethane	<10.	U		10.	12/23/04	
Cyclohexane	<10.	U		10.	12/23/04	
Carbon tetrachloride	<10.	U		10.	12/23/04	
Benzene	<10.	U		10.	12/23/04	
Trichloroethene	<10.	U		10.	12/23/04	
1,2-Dichloropropane	<10.	U		10.	12/23/04	
Bromodichloromethane	<10.	U		10.	12/23/04	
Methylcyclohexane	<10.	U		10.	12/23/04	
cis-1,3-Dichloropropene	<10.	U		10.	12/23/04	
trans-1,3-Dichloropropene	<10.	U		10.	12/23/04	
1,1,2-Trichloroethane	<10.	U		10.	12/23/04	
Dibromochloromethane	<10.	U		10.	12/23/04	
Bromoform	<10.	U		10.	12/23/04	
4-Methyl-2-pentanone	<10.	U		10.	12/23/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1345
Sample Description: MW-11-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	12/23/04	
Tetrachloroethene	<10.	U		10.	12/23/04	
2-Hexanone	<10.	U		10.	12/23/04	
1,2-Dibromoethane	<10.	U		10.	12/23/04	
Chlorobenzene	<10.	U		10.	12/23/04	
Ethylbenzene	<10.	U		10.	12/23/04	
Xylene (total)	<10.	U		10.	12/23/04	
Styrene	<10.	U		10.	12/23/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	12/23/04	
Isopropylbenzene	<10.	U		10.	12/23/04	
1,3-Dichlorobenzene	<10.	U		10.	12/23/04	
1,4-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	12/23/04	
1,2,4-Trichlorobenzene	<10.	U		10.	12/23/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	112		76 - 114
Toluene-d8 (surrogate)	102		88 - 110
Bromofluorobenzene (surrogate)	97		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1346
Sample Description: MW-4-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	12/23/04	
Chloromethane	<10.	U		10.	12/23/04	
Vinyl chloride	J 9.	J		10.	12/23/04	
Bromomethane	<10.	U		10.	12/23/04	
Chloroethane	<10.	U		10.	12/23/04	
Trichlorofluoromethane	<10.	U		10.	12/23/04	
Acetone	<10.	U		10.	12/23/04	
1,1-Dichloroethene	<10.	U		10.	12/23/04	
Methylene chloride	J .5	J		10.	12/23/04	
Methyl acetate	<10.	U		10.	12/23/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	12/23/04	
Carbon disulfide	<10.	U		10.	12/23/04	
trans-1,2-Dichloroethene	J .7	J		10.	12/23/04	
Methyl tert-butyl ether	<10.	U		10.	12/23/04	
1,1-Dichloroethane	<10.	U		10.	12/23/04	
2-Butanone	<10.	U		10.	12/23/04	
cis-1,2-Dichloroethene	21.			10.	12/23/04	
Chloroform	<10.	U		10.	12/23/04	
1,2-Dichloroethane	<10.	U		10.	12/23/04	
1,1,1-Trichloroethane	<10.	U		10.	12/23/04	
Cyclohexane	<10.	U		10.	12/23/04	
Carbon tetrachloride	<10.	U		10.	12/23/04	
Benzene	<10.	U		10.	12/23/04	
Trichloroethene	J 4.	J		10.	12/23/04	
1,2-Dichloropropane	<10.	U		10.	12/23/04	
Bromodichloromethane	<10.	U		10.	12/23/04	
Methylcyclohexane	<10.	U		10.	12/23/04	
cis-1,3-Dichloropropene	<10.	U		10.	12/23/04	
trans-1,3-Dichloropropene	<10.	U		10.	12/23/04	
1,1,2-Trichloroethane	<10.	U		10.	12/23/04	
Dibromochloromethane	<10.	U		10.	12/23/04	
Bromoform	<10.	U		10.	12/23/04	
4-Methyl-2-pentanone	<10.	U		10.	12/23/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1346
Sample Description: MW-4-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	12/23/04	
Tetrachloroethene	10.			10.	12/23/04	
2-Hexanone	<10.	U		10.	12/23/04	
1,2-Dibromoethane	<10.	U		10.	12/23/04	
Chlorobenzene	<10.	U		10.	12/23/04	
Ethylbenzene	<10.	U		10.	12/23/04	
Xylene (total)	<10.	U		10.	12/23/04	
Styrene	<10.	U		10.	12/23/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	12/23/04	
Isopropylbenzene	<10.	U		10.	12/23/04	
1,3-Dichlorobenzene	<10.	U		10.	12/23/04	
1,4-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	12/23/04	
1,2,4-Trichlorobenzene	<10.	U		10.	12/23/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	103		76 - 114
Toluene-d8 (surrogate)	103		88 - 110
Bromofluorobenzene (surrogate)	93		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1347
Sample Description: MW-5-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	12/23/04	
Chloromethane	<10.	U		10.	12/23/04	
Vinyl chloride	<10.	U		10.	12/23/04	
Bromomethane	<10.	U		10.	12/23/04	
Chloroethane	<10.	U		10.	12/23/04	
Trichlorofluoromethane	<10.	U		10.	12/23/04	
Acetone	<10.	U		10.	12/23/04	
1,1-Dichloroethene	<10.	U		10.	12/23/04	
Methylene chloride	<10.	U		10.	12/23/04	
Methyl acetate	<10.	U		10.	12/23/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	12/23/04	
Carbon disulfide	<10.	U		10.	12/23/04	
trans-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Methyl tert-butyl ether	<10.	U		10.	12/23/04	
1,1-Dichloroethane	<10.	U		10.	12/23/04	
2-Butanone	<10.	U		10.	12/23/04	
cis-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Chloroform	<10.	U		10.	12/23/04	
1,2-Dichloroethane	<10.	U		10.	12/23/04	
1,1,1-Trichloroethane	<10.	U		10.	12/23/04	
Cyclohexane	<10.	U		10.	12/23/04	
Carbon tetrachloride	<10.	U		10.	12/23/04	
Benzene	<10.	U		10.	12/23/04	
Trichloroethene	<10.	U		10.	12/23/04	
1,2-Dichloropropane	<10.	U		10.	12/23/04	
Bromodichloromethane	<10.	U		10.	12/23/04	
Methylcyclohexane	<10.	U		10.	12/23/04	
cis-1,3-Dichloropropene	<10.	U		10.	12/23/04	
trans-1,3-Dichloropropene	<10.	U		10.	12/23/04	
1,1,2-Trichloroethane	<10.	U		10.	12/23/04	
Dibromochloromethane	<10.	U		10.	12/23/04	
Bromoform	<10.	U		10.	12/23/04	
4-Methyl-2-pentanone	<10.	U		10.	12/23/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1347
Sample Description: MW-5-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	12/23/04	
Tetrachloroethene	<10.	U		10.	12/23/04	
2-Hexanone	<10.	U		10.	12/23/04	
1,2-Dibromoethane	<10.	U		10.	12/23/04	
Chlorobenzene	<10.	U		10.	12/23/04	
Ethylbenzene	<10.	U		10.	12/23/04	
Xylene (total)	<10.	U		10.	12/23/04	
Styrene	<10.	U		10.	12/23/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	12/23/04	
Isopropylbenzene	<10.	U		10.	12/23/04	
1,3-Dichlorobenzene	<10.	U		10.	12/23/04	
1,4-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	12/23/04	
1,2,4-Trichlorobenzene	<10.	U		10.	12/23/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	104		76 - 114
Toluene-d8 (surrogate)	103		88 - 110
Bromofluorobenzene (surrogate)	93		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1348
Sample Description: MW-8-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	12/23/04	
Chloromethane	<10.	U		10.	12/23/04	
Vinyl chloride	<10.	U		10.	12/23/04	
Bromomethane	<10.	U		10.	12/23/04	
Chloroethane	<10.	U		10.	12/23/04	
Trichlorofluoromethane	<10.	U		10.	12/23/04	
Acetone	<10.	U		10.	12/23/04	
1,1-Dichloroethene	<10.	U		10.	12/23/04	
Methylene chloride	J .6	J		10.	12/23/04	
Methyl acetate	<10.	U		10.	12/23/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	12/23/04	
Carbon disulfide	<10.	U		10.	12/23/04	
trans-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Methyl tert-butyl ether	<10.	U		10.	12/23/04	
1,1-Dichloroethane	<10.	U		10.	12/23/04	
2-Butanone	<10.	U		10.	12/23/04	
cis-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Chloroform	<10.	U		10.	12/23/04	
1,2-Dichloroethane	<10.	U		10.	12/23/04	
1,1,1-Trichloroethane	<10.	U		10.	12/23/04	
Cyclohexane	<10.	U		10.	12/23/04	
Carbon tetrachloride	<10.	U		10.	12/23/04	
Benzene	<10.	U		10.	12/23/04	
Trichloroethene	<10.	U		10.	12/23/04	
1,2-Dichloropropane	<10.	U		10.	12/23/04	
Bromodichloromethane	<10.	U		10.	12/23/04	
Methylcyclohexane	<10.	U		10.	12/23/04	
cis-1,3-Dichloropropene	<10.	U		10.	12/23/04	
trans-1,3-Dichloropropene	<10.	U		10.	12/23/04	
1,1,2-Trichloroethane	<10.	U		10.	12/23/04	
Dibromochloromethane	<10.	U		10.	12/23/04	
Bromoform	<10.	U		10.	12/23/04	
4-Methyl-2-pentanone	<10.	U		10.	12/23/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1348
Sample Description: MW-8-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	12/23/04	
Tetrachloroethene	<10.	U		10.	12/23/04	
2-Hexanone	<10.	U		10.	12/23/04	
1,2-Dibromoethane	<10.	U		10.	12/23/04	
Chlorobenzene	<10.	U		10.	12/23/04	
Ethylbenzene	<10.	U		10.	12/23/04	
Xylene (total)	<10.	U		10.	12/23/04	
Styrene	<10.	U		10.	12/23/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	12/23/04	
Isopropylbenzene	<10.	U		10.	12/23/04	
1,3-Dichlorobenzene	<10.	U		10.	12/23/04	
1,4-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	12/23/04	
1,2,4-Trichlorobenzene	<10.	U		10.	12/23/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	117	#	76 - 114
Toluene-d8 (surrogate)	102		88 - 110
Bromofluorobenzene (surrogate)	95		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1348 RE
Sample Description: MW-8-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	12/23/04	
Chloromethane	<10.	U		10.	12/23/04	
Vinyl chloride	<10.	U		10.	12/23/04	
Bromomethane	<10.	U		10.	12/23/04	
Chloroethane	<10.	U		10.	12/23/04	
Trichlorofluoromethane	<10.	U		10.	12/23/04	
Acetone	<10.	U		10.	12/23/04	
1,1-Dichloroethene	<10.	U		10.	12/23/04	
Methylene chloride	J .6	J		10.	12/23/04	
Methyl acetate	<10.	U		10.	12/23/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	12/23/04	
Carbon disulfide	<10.	U		10.	12/23/04	
trans-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Methyl tert-butyl ether	<10.	U		10.	12/23/04	
1,1-Dichloroethane	<10.	U		10.	12/23/04	
2-Butanone	<10.	U		10.	12/23/04	
cis-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Chloroform	<10.	U		10.	12/23/04	
1,2-Dichloroethane	<10.	U		10.	12/23/04	
1,1,1-Trichloroethane	<10.	U		10.	12/23/04	
Cyclohexane	<10.	U		10.	12/23/04	
Carbon tetrachloride	<10.	U		10.	12/23/04	
Benzene	<10.	U		10.	12/23/04	
Trichloroethene	<10.	U		10.	12/23/04	
1,2-Dichloropropane	<10.	U		10.	12/23/04	
Bromodichloromethane	<10.	U		10.	12/23/04	
Methylcyclohexane	<10.	U		10.	12/23/04	
cis-1,3-Dichloropropene	<10.	U		10.	12/23/04	
trans-1,3-Dichloropropene	<10.	U		10.	12/23/04	
1,1,2-Trichloroethane	<10.	U		10.	12/23/04	
Dibromochloromethane	<10.	U		10.	12/23/04	
Bromoform	<10.	U		10.	12/23/04	
4-Methyl-2-pentanone	<10.	U		10.	12/23/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1348 RE
Sample Description: MW-8-122104
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	12/23/04	
Tetrachloroethene	<10.	U		10.	12/23/04	
2-Hexanone	<10.	U		10.	12/23/04	
1,2-Dibromoethane	<10.	U		10.	12/23/04	
Chlorobenzene	<10.	U		10.	12/23/04	
Ethylbenzene	<10.	U		10.	12/23/04	
Xylene (total)	<10.	U		10.	12/23/04	
Styrene	<10.	U		10.	12/23/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	12/23/04	
Isopropylbenzene	<10.	U		10.	12/23/04	
1,3-Dichlorobenzene	<10.	U		10.	12/23/04	
1,4-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	12/23/04	
1,2,4-Trichlorobenzene	<10.	U		10.	12/23/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	102		76 - 114
Toluene-d8 (surrogate)	97		88 - 110
Bromofluorobenzene (surrogate)	93		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1349
Sample Description: QC Trip Blank
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<10.	U		10.	12/23/04	
Chloromethane	<10.	U		10.	12/23/04	
Vinyl chloride	<10.	U		10.	12/23/04	
Bromomethane	<10.	U		10.	12/23/04	
Chloroethane	<10.	U		10.	12/23/04	
Trichlorofluoromethane	<10.	U		10.	12/23/04	
Acetone	<10.	U		10.	12/23/04	
1,1-Dichloroethene	<10.	U		10.	12/23/04	
Methylene chloride	J .6	J		10.	12/23/04	
Methyl acetate	<10.	U		10.	12/23/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<10.	U		10.	12/23/04	
Carbon disulfide	<10.	U		10.	12/23/04	
trans-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Methyl tert-butyl ether	<10.	U		10.	12/23/04	
1,1-Dichloroethane	<10.	U		10.	12/23/04	
2-Butanone	<10.	U		10.	12/23/04	
cis-1,2-Dichloroethene	<10.	U		10.	12/23/04	
Chloroform	<10.	U		10.	12/23/04	
1,2-Dichloroethane	<10.	U		10.	12/23/04	
1,1,1-Trichloroethane	<10.	U		10.	12/23/04	
Cyclohexane	<10.	U		10.	12/23/04	
Carbon tetrachloride	<10.	U		10.	12/23/04	
Benzene	<10.	U		10.	12/23/04	
Trichloroethene	<10.	U		10.	12/23/04	
1,2-Dichloropropane	<10.	U		10.	12/23/04	
Bromodichloromethane	<10.	U		10.	12/23/04	
Methylcyclohexane	<10.	U		10.	12/23/04	
cis-1,3-Dichloropropene	<10.	U		10.	12/23/04	
trans-1,3-Dichloropropene	<10.	U		10.	12/23/04	
1,1,2-Trichloroethane	<10.	U		10.	12/23/04	
Dibromochloromethane	<10.	U		10.	12/23/04	
Bromoform	<10.	U		10.	12/23/04	
4-Methyl-2-pentanone	<10.	U		10.	12/23/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Method: ASP 95-1

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9648
Sample: F1349
Sample Description: QC Trip Blank
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 48

Job No.: 3435 . 234 . 72391
Certification NY No.: 10155

Collected: 12/21/04
Received: 12/22/04
Prepared: 12/23/04

Matrix: Water
QC Batch: 122304W2
%Solids:
Sample Size: 5 mL
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<10.	U		10.	12/23/04	
Tetrachloroethene	<10.	U		10.	12/23/04	
2-Hexanone	<10.	U		10.	12/23/04	
1,2-Dibromoethane	<10.	U		10.	12/23/04	
Chlorobenzene	<10.	U		10.	12/23/04	
Ethylbenzene	<10.	U		10.	12/23/04	
Xylene (total)	<10.	U		10.	12/23/04	
Styrene	<10.	U		10.	12/23/04	
1,1,2,2-Tetrachloroethane	<10.	U		10.	12/23/04	
Isopropylbenzene	<10.	U		10.	12/23/04	
1,3-Dichlorobenzene	<10.	U		10.	12/23/04	
1,4-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dichlorobenzene	<10.	U		10.	12/23/04	
1,2-Dibromo-3-chloropropane	<10.	U		10.	12/23/04	
1,2,4-Trichlorobenzene	<10.	U		10.	12/23/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	103		76 - 114
Toluene-d8 (surrogate)	101		88 - 110
Bromofluorobenzene (surrogate)	98		86 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized:_____
Date: January 6, 2005 Thomas Alexander

Appendix G

Sub-Slab Soil Analytical Data

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0291
Sample Description: SS-1
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/07/04

Matrix: Solid
QC Batch: 120704S2
%Solids: 85.0
Sample Size: 5.02 g
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<12.	U		12.	12/07/04	
Chloromethane	<12.	U		12.	12/07/04	
Vinyl chloride	<12.	U		12.	12/07/04	
Bromomethane	<12.	U		12.	12/07/04	
Chloroethane	<12.	U		12.	12/07/04	
Trichlorofluoromethane	<12.	U		12.	12/07/04	
Acetone	J 3.	J		12.	12/07/04	
1,1-Dichloroethene	<12.	U		12.	12/07/04	
Methylene chloride	J .6	J		12.	12/07/04	
Methyl acetate	<12.	U		12.	12/07/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<12.	U		12.	12/07/04	
Carbon disulfide	<12.	U		12.	12/07/04	
trans-1,2-Dichloroethene	<12.	U		12.	12/07/04	
Methyl tert-butyl ether	<12.	U		12.	12/07/04	
1,1-Dichloroethane	<12.	U		12.	12/07/04	
2-Butanone	<12.	U		12.	12/07/04	
cis-1,2-Dichloroethene	<12.	U		12.	12/07/04	
Chloroform	<12.	U		12.	12/07/04	
1,2-Dichloroethane	<12.	U		12.	12/07/04	
1,1,1-Trichloroethane	<12.	U		12.	12/07/04	
Cyclohexane	<12.	U		12.	12/07/04	
Carbon tetrachloride	<12.	U		12.	12/07/04	
Benzene	<12.	U		12.	12/07/04	
Trichloroethene	J 1.	J		12.	12/07/04	
1,2-Dichloropropane	<12.	U		12.	12/07/04	
Bromodichloromethane	<12.	U		12.	12/07/04	
Methylcyclohexane	<12.	U		12.	12/07/04	
cis-1,3-Dichloropropene	<12.	U		12.	12/07/04	
trans-1,3-Dichloropropene	<12.	U		12.	12/07/04	
1,1,2-Trichloroethane	<12.	U		12.	12/07/04	
Dibromochloromethane	<12.	U		12.	12/07/04	
Bromoform	<12.	U		12.	12/07/04	
4-Methyl-2-pentanone	<12.	U		12.	12/07/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas L. Alexander
Date: December 21, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0291
Sample Description: SS-1
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/07/04

Matrix: Solid
QC Batch: 120704S2
%Solids: 85.0
Sample Size: 5.02 g
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<12.	U		12.	12/07/04	
Tetrachloroethene	220.			12.	12/07/04	
2-Hexanone	<12.	U		12.	12/07/04	
1,2-Dibromoethane	<12.	U		12.	12/07/04	
Chlorobenzene	<12.	U		12.	12/07/04	
Ethylbenzene	<12.	U		12.	12/07/04	
Xylene (total)	<12.	U		12.	12/07/04	
Styrene	<12.	U		12.	12/07/04	
1,1,2,2-Tetrachloroethane	<12.	U		12.	12/07/04	
Isopropylbenzene	<12.	U		12.	12/07/04	
1,3-Dichlorobenzene	<12.	U		12.	12/07/04	
1,2-Dichlorobenzene	<12.	U		12.	12/07/04	
1,4-Dichlorobenzene	<12.	U		12.	12/07/04	
1,2-Dibromo-3-chloropropane	<12.	U		12.	12/07/04	
1,2,4-Trichlorobenzene	<12.	U		12.	12/07/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	107		70-121
Toluene-d8 (surrogate)	109		84-138
Bromofluorobenzene (surrogate)	87		59-113

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A. Alexander
Date: December 21, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0292
Sample Description: SS-2
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/07/04

Matrix: Solid
QC Batch: 120704S2
%Solids: 90.0
Sample Size: 5.11 g
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<11.	U		11.	12/07/04	
Chloromethane	<11.	U		11.	12/07/04	
Vinyl chloride	<11.	U		11.	12/07/04	
Bromomethane	<11.	U		11.	12/07/04	
Chloroethane	<11.	U		11.	12/07/04	
Trichlorofluoromethane	<11.	U		11.	12/07/04	
Acetone	J 6.	J		11.	12/07/04	
1,1-Dichloroethene	<11.	U		11.	12/07/04	
Methylene chloride	<11.	U		11.	12/07/04	
Methyl acetate	<11.	U		11.	12/07/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<11.	U		11.	12/07/04	
Carbon disulfide	<11.	U		11.	12/07/04	
trans-1,2-Dichloroethene	<11.	U		11.	12/07/04	
Methyl tert-butyl ether	<11.	U		11.	12/07/04	
1,1-Dichloroethane	<11.	U		11.	12/07/04	
2-Butanone	<11.	U		11.	12/07/04	
cis-1,2-Dichloroethene	12.			11.	12/07/04	
Chloroform	<11.	U		11.	12/07/04	
1,2-Dichloroethane	<11.	U		11.	12/07/04	
1,1,1-Trichloroethane	<11.	U		11.	12/07/04	
Cyclohexane	<11.	U		11.	12/07/04	
Carbon tetrachloride	<11.	U		11.	12/07/04	
Benzene	<11.	U		11.	12/07/04	
Trichloroethene	28.			11.	12/07/04	
1,2-Dichloropropane	<11.	U		11.	12/07/04	
Bromodichloromethane	<11.	U		11.	12/07/04	
Methylcyclohexane	<11.	U		11.	12/07/04	
cis-1,3-Dichloropropene	<11.	U		11.	12/07/04	
trans-1,3-Dichloropropene	<11.	U		11.	12/07/04	
1,1,2-Trichloroethane	<11.	U		11.	12/07/04	
Dibromochloromethane	<11.	U		11.	12/07/04	
Bromoform	<11.	U		11.	12/07/04	
4-Methyl-2-pentanone	<11.	U		11.	12/07/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A. Alexander
Date: December 21, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0292
Sample Description: SS-2
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/07/04

Matrix: Solid
QC Batch: 120704S2
%Solids: 90.0
Sample Size: 5.11 g
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<11.	U		11.	12/07/04	
Tetrachloroethene	820.	E		11.	12/07/04	
2-Hexanone	<11.	U		11.	12/07/04	
1,2-Dibromoethane	<11.	U		11.	12/07/04	
Chlorobenzene	<11.	U		11.	12/07/04	
Ethylbenzene	<11.	U		11.	12/07/04	
Xylene (total)	<11.	U		11.	12/07/04	
Styrene	<11.	U		11.	12/07/04	
1,1,2,2-Tetrachloroethane	<11.	U		11.	12/07/04	
Isopropylbenzene	<11.	U		11.	12/07/04	
1,3-Dichlorobenzene	<11.	U		11.	12/07/04	
1,2-Dichlorobenzene	<11.	U		11.	12/07/04	
1,4-Dichlorobenzene	<11.	U		11.	12/07/04	
1,2-Dibromo-3-chloropropane	<11.	U		11.	12/07/04	
1,2,4-Trichlorobenzene	<11.	U		11.	12/07/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	105		70-121
Toluene-d8 (surrogate)	113		84-138
Bromofluorobenzene (surrogate)	80		59-113

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas R. Alexander
Date: December 21, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0292 DL
Sample Description: SS-2
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/08/04

Matrix: Solid
QC Batch: 120804S2
%Solids: 90.0
Sample Size: 1.04 g
Dilution: 1

Parameter	Result	Qual		MDL	PQL	Analyzed Notes
Dichlorodifluoromethane	<53.	U			53.	12/08/04
Chloromethane	<53.	U			53.	12/08/04
Vinyl chloride	<53.	U			53.	12/08/04
Bromomethane	<53.	U			53.	12/08/04
Chloroethane	<53.	U			53.	12/08/04
Trichlorofluoromethane	<53.	U			53.	12/08/04
Acetone	J 11.	J	D		53.	12/08/04
1,1-Dichloroethene	<53.	U			53.	12/08/04
Methylene chloride	J 4.	J	D		53.	12/08/04
Methyl acetate	<53.	U			53.	12/08/04
1,1,2-Trichloro-1,2,2-trifluoroethane	<53.	U			53.	12/08/04
Carbon disulfide	<53.	U			53.	12/08/04
trans-1,2-Dichloroethene	<53.	U			53.	12/08/04
Methyl tert-butyl ether	<53.	U			53.	12/08/04
1,1-Dichloroethane	<53.	U			53.	12/08/04
2-Butanone	<53.	U			53.	12/08/04
cis-1,2-Dichloroethene	J 8.	J	D		53.	12/08/04
Chloroform	<53.	U			53.	12/08/04
1,2-Dichloroethane	<53.	U			53.	12/08/04
1,1,1-Trichloroethane	<53.	U			53.	12/08/04
Cyclohexane	<53.	U			53.	12/08/04
Carbon tetrachloride	<53.	U			53.	12/08/04
Benzene	<53.	U			53.	12/08/04
Trichloroethene	J 19.	J	D		53.	12/08/04
1,2-Dichloropropane	<53.	U			53.	12/08/04
Bromodichloromethane	<53.	U			53.	12/08/04
Methylcyclohexane	<53.	U			53.	12/08/04
cis-1,3-Dichloropropene	<53.	U			53.	12/08/04
trans-1,3-Dichloropropene	<53.	U			53.	12/08/04
1,1,2-Trichloroethane	<53.	U			53.	12/08/04
Dibromochloromethane	<53.	U			53.	12/08/04
Bromoform	<53.	U			53.	12/08/04
4-Methyl-2-pentanone	<53.	U			53.	12/08/04

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas D. Alexander
Date: December 21, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0292 DL
Sample Description: SS-2
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/08/04

Matrix: Solid
QC Batch: 120804S2
%Solids: 90.0
Sample Size: 1.04 g
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<53.	U		53.	12/08/04	
Tetrachloroethene	1000.	D		53.	12/08/04	
2-Hexanone	<53.	U		53.	12/08/04	
1,2-Dibromoethane	<53.	U		53.	12/08/04	
Chlorobenzene	<53.	U		53.	12/08/04	
Ethylbenzene	<53.	U		53.	12/08/04	
Xylene (total)	<53.	U		53.	12/08/04	
Styrene	<53.	U		53.	12/08/04	
1,1,2,2-Tetrachloroethane	<53.	U		53.	12/08/04	
Isopropylbenzene	<53.	U		53.	12/08/04	
1,3-Dichlorobenzene	<53.	U		53.	12/08/04	
1,2-Dichlorobenzene	<53.	U		53.	12/08/04	
1,4-Dichlorobenzene	<53.	U		53.	12/08/04	
1,2-Dibromo-3-chloropropane	<53.	U		53.	12/08/04	
1,2,4-Trichlorobenzene	<53.	U		53.	12/08/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	109		70-121
Toluene-d8 (surrogate)	104		84-138
Bromofluorobenzene (surrogate)	97		59-113

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A. Alexander
Date: December 21, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0293
Sample Description: SS-3
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/07/04

Matrix: Solid
QC Batch: 120704S2
%Solids: 85.0
Sample Size: 5.03 g
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<12.	U		12.	12/07/04	
Chloromethane	<12.	U		12.	12/07/04	
Vinyl chloride	<12.	U		12.	12/07/04	
Bromomethane	<12.	U		12.	12/07/04	
Chloroethane	<12.	U		12.	12/07/04	
Trichlorofluoromethane	<12.	U		12.	12/07/04	
Acetone	J 5.	J		12.	12/07/04	
1,1-Dichloroethene	<12.	U		12.	12/07/04	
Methylene chloride	<12.	U		12.	12/07/04	
Methyl acetate	<12.	U		12.	12/07/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<12.	U		12.	12/07/04	
Carbon disulfide	<12.	U		12.	12/07/04	
trans-1,2-Dichloroethene	J .7	J		12.	12/07/04	
Methyl tert-butyl ether	<12.	U		12.	12/07/04	
1,1-Dichloroethane	<12.	U		12.	12/07/04	
2-Butanone	<12.	U		12.	12/07/04	
cis-1,2-Dichloroethene	80.			12.	12/07/04	
Chloroform	<12.	U		12.	12/07/04	
1,2-Dichloroethane	<12.	U		12.	12/07/04	
1,1,1-Trichloroethane	<12.	U		12.	12/07/04	
Cyclohexane	<12.	U		12.	12/07/04	
Carbon tetrachloride	<12.	U		12.	12/07/04	
Benzene	<12.	U		12.	12/07/04	
Trichloroethene	130.			12.	12/07/04	
1,2-Dichloropropane	<12.	U		12.	12/07/04	
Bromodichloromethane	<12.	U		12.	12/07/04	
Methylcyclohexane	<12.	U		12.	12/07/04	
cis-1,3-Dichloropropene	<12.	U		12.	12/07/04	
trans-1,3-Dichloropropene	<12.	U		12.	12/07/04	
1,1,2-Trichloroethane	<12.	U		12.	12/07/04	
Dibromochloromethane	<12.	U		12.	12/07/04	
Bromoform	<12.	U		12.	12/07/04	
4-Methyl-2-pentanone	<12.	U		12.	12/07/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A. Alexander
Date: December 21, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0293
Sample Description: SS-3
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/07/04

Matrix: Solid
QC Batch: 120704S2
%Solids: 85.0
Sample Size: 5.03 g
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<12.	U		12.	12/07/04	
Tetrachloroethene	940.	E		12.	12/07/04	
2-Hexanone	<12.	U		12.	12/07/04	
1,2-Dibromoethane	<12.	U		12.	12/07/04	
Chlorobenzene	<12.	U		12.	12/07/04	
Ethylbenzene	<12.	U		12.	12/07/04	
Xylene (total)	<12.	U		12.	12/07/04	
Styrene	<12.	U		12.	12/07/04	
1,1,2,2-Tetrachloroethane	<12.	U		12.	12/07/04	
Isopropylbenzene	<12.	U		12.	12/07/04	
1,3-Dichlorobenzene	<12.	U		12.	12/07/04	
1,2-Dichlorobenzene	<12.	U		12.	12/07/04	
1,4-Dichlorobenzene	<12.	U		12.	12/07/04	
1,2-Dibromo-3-chloropropane	<12.	U		12.	12/07/04	
1,2,4-Trichlorobenzene	<12.	U		12.	12/07/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	108		70-121
Toluene-d8 (surrogate)	106		84-138
Bromofluorobenzene (surrogate)	88		59-113

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A. Alexander
Date: December 21, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0293 DL
Sample Description: SS-3
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/08/04

Matrix: Solid
QC Batch: 120804S2
%Solids: 85.0
Sample Size: .66 g
Dilution: 1

Parameter	Result	Qual		MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<89.	U			89.	12/08/04	
Chloromethane	<89.	U			89.	12/08/04	
Vinyl chloride	<89.	U			89.	12/08/04	
Bromomethane	<89.	U			89.	12/08/04	
Chloroethane	<89.	U			89.	12/08/04	
Trichlorofluoromethane	<89.	U			89.	12/08/04	
Acetone	<89.	U			89.	12/08/04	
1,1-Dichloroethene	<89.	U			89.	12/08/04	
Methylene chloride	J 6.	J	D		89.	12/08/04	
Methyl acetate	<89.	U			89.	12/08/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<89.	U			89.	12/08/04	
Carbon disulfide	<89.	U			89.	12/08/04	
trans-1,2-Dichloroethene	<89.	U			89.	12/08/04	
Methyl tert-butyl ether	<89.	U			89.	12/08/04	
1,1-Dichloroethane	<89.	U			89.	12/08/04	
2-Butanone	<89.	U			89.	12/08/04	
cis-1,2-Dichloroethene	J 55.	J	D		89.	12/08/04	
Chloroform	<89.	U			89.	12/08/04	
1,2-Dichloroethane	<89.	U			89.	12/08/04	
1,1,1-Trichloroethane	<89.	U			89.	12/08/04	
Cyclohexane	<89.	U			89.	12/08/04	
Carbon tetrachloride	<89.	U			89.	12/08/04	
Benzene	<89.	U			89.	12/08/04	
Trichloroethene	J 85.	J	D		89.	12/08/04	
1,2-Dichloropropane	<89.	U			89.	12/08/04	
Bromodichloromethane	<89.	U			89.	12/08/04	
Methylcyclohexane	<89.	U			89.	12/08/04	
cis-1,3-Dichloropropene	<89.	U			89.	12/08/04	
trans-1,3-Dichloropropene	<89.	U			89.	12/08/04	
1,1,2-Trichloroethane	<89.	U			89.	12/08/04	
Dibromochloromethane	<89.	U			89.	12/08/04	
Bromoform	<89.	U			89.	12/08/04	
4-Methyl-2-pentanone	<89.	U			89.	12/08/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A. Alexander
Date: December 21, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0293 DL
Sample Description: SS-3
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/08/04

Matrix: Solid
QC Batch: 120804S2
%Solids: 85.0
Sample Size: .66 g
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<89.	U		89.	12/08/04	
Tetrachloroethene	3700.	D		89.	12/08/04	
2-Hexanone	<89.	U		89.	12/08/04	
1,2-Dibromoethane	<89.	U		89.	12/08/04	
Chlorobenzene	<89.	U		89.	12/08/04	
Ethylbenzene	<89.	U		89.	12/08/04	
Xylene (total)	<89.	U		89.	12/08/04	
Styrene	<89.	U		89.	12/08/04	
1,1,2,2-Tetrachloroethane	<89.	U		89.	12/08/04	
Isopropylbenzene	<89.	U		89.	12/08/04	
1,3-Dichlorobenzene	<89.	U		89.	12/08/04	
1,2-Dichlorobenzene	<89.	U		89.	12/08/04	
1,4-Dichlorobenzene	<89.	U		89.	12/08/04	
1,2-Dibromo-3-chloropropane	<89.	U		89.	12/08/04	
1,2,4-Trichlorobenzene	<89.	U		89.	12/08/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	112		70-121
Toluene-d8 (surrogate)	104		84-138
Bromofluorobenzene (surrogate)	100		59-113

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A. Alexander
Date: December 21, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0293 DLRE
Sample Description: SS-3
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/08/04

Matrix: Solid
QC Batch: 120804S2
%Solids: 85.0
Sample Size: 5 g
Dilution: 100

Parameter	Result	Qual		MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<1200.	U			1200.	12/08/04	
Chloromethane	<1200.	U			1200.	12/08/04	
Vinyl chloride	<1200.	U			1200.	12/08/04	
Bromomethane	<1200.	U			1200.	12/08/04	
Chloroethane	<1200.	U			1200.	12/08/04	
Trichlorofluoromethane	<1200.	U			1200.	12/08/04	
Acetone	<1200.	U			1200.	12/08/04	
1,1-Dichloroethene	<1200.	U			1200.	12/08/04	
Methylene chloride	J 1200.	J	D		1200.	12/08/04	
Methyl acetate	<1200.	U			1200.	12/08/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<1200.	U			1200.	12/08/04	
Carbon disulfide	<1200.	U			1200.	12/08/04	
trans-1,2-Dichloroethene	<1200.	U			1200.	12/08/04	
Methyl tert-butyl ether	<1200.	U			1200.	12/08/04	
1,1-Dichloroethane	<1200.	U			1200.	12/08/04	
2-Butanone	<1200.	U			1200.	12/08/04	
cis-1,2-Dichloroethene	<1200.	U			1200.	12/08/04	
Chloroform	<1200.	U			1200.	12/08/04	
1,2-Dichloroethane	<1200.	U			1200.	12/08/04	
1,1,1-Trichloroethane	<1200.	U			1200.	12/08/04	
Cyclohexane	<1200.	U			1200.	12/08/04	
Carbon tetrachloride	<1200.	U			1200.	12/08/04	
Benzene	<1200.	U			1200.	12/08/04	
Trichloroethene	J 130.	J	D		1200.	12/08/04	
1,2-Dichloropropane	<1200.	U			1200.	12/08/04	
Bromodichloromethane	<1200.	U			1200.	12/08/04	
Methylcyclohexane	<1200.	U			1200.	12/08/04	
cis-1,3-Dichloropropene	<1200.	U			1200.	12/08/04	
trans-1,3-Dichloropropene	<1200.	U			1200.	12/08/04	
1,1,2-Trichloroethane	<1200.	U			1200.	12/08/04	
Dibromochloromethane	<1200.	U			1200.	12/08/04	
Bromoform	<1200.	U			1200.	12/08/04	
4-Methyl-2-pentanone	<1200.	U			1200.	12/08/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A. Alexander
Date: December 21, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0293 DLRE
Sample Description: SS-3
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/08/04

Matrix: Solid
QC Batch: 120804S2
%Solids: 85.0
Sample Size: 5 g
Dilution: 100

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<1200.	U		1200.	12/08/04	
Tetrachloroethene	11000.	D		1200.	12/08/04	
2-Hexanone	<1200.	U		1200.	12/08/04	
1,2-Dibromoethane	<1200.	U		1200.	12/08/04	
Chlorobenzene	<1200.	U		1200.	12/08/04	
Ethylbenzene	<1200.	U		1200.	12/08/04	
Xylene (total)	<1200.	U		1200.	12/08/04	
Styrene	<1200.	U		1200.	12/08/04	
1,1,2,2-Tetrachloroethane	<1200.	U		1200.	12/08/04	
Isopropylbenzene	<1200.	U		1200.	12/08/04	
1,3-Dichlorobenzene	<1200.	U		1200.	12/08/04	
1,2-Dichlorobenzene	<1200.	U		1200.	12/08/04	
1,4-Dichlorobenzene	<1200.	U		1200.	12/08/04	
1,2-Dibromo-3-chloropropane	<1200.	U		1200.	12/08/04	
1,2,4-Trichlorobenzene	<1200.	U		1200.	12/08/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	106		70-121
Toluene-d8 (surrogate)	102		84-138
Bromofluorobenzene (surrogate)	108		59-113

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas A. Alexander
Date: December 21, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0293 DL
Sample Description: SS-3
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/08/04

Matrix: Solid
QC Batch: 120804S2
%Solids: 85.0
Sample Size: .66 g
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Dichlorodifluoromethane	<89.	U		89.	12/08/04	
Chloromethane	<89.	U		89.	12/08/04	
Vinyl chloride	<89.	U		89.	12/08/04	
Bromomethane	<89.	U		89.	12/08/04	
Chloroethane	<89.	U		89.	12/08/04	
Trichlorofluoromethane	<89.	U		89.	12/08/04	
Acetone	<89.	U		89.	12/08/04	
1,1-Dichloroethene	<89.	U		89.	12/08/04	
Methylene chloride	J 6.	J	D	89.	12/08/04	
Methyl acetate	<89.	U		89.	12/08/04	
1,1,2-Trichloro-1,2,2-trifluoroethane	<89.	U		89.	12/08/04	
Carbon disulfide	<89.	U		89.	12/08/04	
trans-1,2-Dichloroethene	<89.	U		89.	12/08/04	
Methyl tert-butyl ether	<89.	U		89.	12/08/04	
1,1-Dichloroethane	<89.	U		89.	12/08/04	
2-Butanone	<89.	U		89.	12/08/04	
cis-1,2-Dichloroethene	J 55.	J	D	89.	12/08/04	
Chloroform	<89.	U		89.	12/08/04	
1,2-Dichloroethane	<89.	U		89.	12/08/04	
1,1,1-Trichloroethane	<89.	U		89.	12/08/04	
Cyclohexane	<89.	U		89.	12/08/04	
Carbon tetrachloride	<89.	U		89.	12/08/04	
Benzene	<89.	U		89.	12/08/04	
Trichloroethene	J 85.	J	D	89.	12/08/04	
1,2-Dichloropropane	<89.	U		89.	12/08/04	
Bromodichloromethane	<89.	U		89.	12/08/04	
Methylcyclohexane	<89.	U		89.	12/08/04	
cis-1,3-Dichloropropene	<89.	U		89.	12/08/04	
trans-1,3-Dichloropropene	<89.	U		89.	12/08/04	
1,1,2-Trichloroethane	<89.	U		89.	12/08/04	
Dibromochloromethane	<89.	U		89.	12/08/04	
Bromoform	<89.	U		89.	12/08/04	
4-Methyl-2-pentanone	<89.	U		89.	12/08/04	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: January 20, 2005

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: OLM04.2

Client: O'Brien & Gere Engineers, Inc.
Project: Dambrose Cleaners, Schenectady, NY
Proj. Desc:
Package#: 9481
Sample: F0293 DL
Sample Description: SS-3
Instrument: HP5970 GC/MS#2
Units: ug/Kg Dry weight
Number of analytes: 48

Job No.: 3435.234.72391
Certification NY No.: 10155

Collected: 12/02/04
Received: 12/03/04
Prepared: 12/08/04

Matrix: Solid
QC Batch: 120804S2
%Solids: 85.0
Sample Size: .66 g
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Toluene	<89.	U		89.	12/08/04	
Tetrachloroethene	3700.	E		89.	12/08/04	
2-Hexanone	<89.	U		89.	12/08/04	
1,2-Dibromoethane	<89.	U		89.	12/08/04	
Chlorobenzene	<89.	U		89.	12/08/04	
Ethylbenzene	<89.	U		89.	12/08/04	
Xylene (total)	<89.	U		89.	12/08/04	
Styrene	<89.	U		89.	12/08/04	
1,1,2,2-Tetrachloroethane	<89.	U		89.	12/08/04	
Isopropylbenzene	<89.	U		89.	12/08/04	
1,3-Dichlorobenzene	<89.	U		89.	12/08/04	
1,2-Dichlorobenzene	<89.	U		89.	12/08/04	
1,4-Dichlorobenzene	<89.	U		89.	12/08/04	
1,2-Dibromo-3-chloropropane	<89.	U		89.	12/08/04	
1,2,4-Trichlorobenzene	<89.	U		89.	12/08/04	

Surrogate	%R	Qual	%R Limits
1,2-Dichloroethane-d4 (surrogate)	112		70-121
Toluene-d8 (surrogate)	104		84-138
Bromofluorobenzene (surrogate)	100		59-113

Notes:

Revision of report dated: December 21, 2004.

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: January 20, 2005

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Appendix H

Indoor Air, Sub-Slab Soil Gas, and Ambient Air Sampling Results of September 2004

Centek Laboratories, LLC

Date: *09-Oct-04*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	APT-F-1A
Lab Order:	C0409014	**Tag Number:**	125, 63
Project:	Ref. 34253 - Dambrouse	**Collection Date:**	9/23/2004
Lab ID:	C0409014-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	10/3/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/3/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/3/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/3/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/3/2004
Chloroethane	ND	0.40		ug/m3	1	10/3/2004
cis-1,2-Dichloroethene	0.73	0.60		ug/m3	1	10/3/2004
Tetrachloroethylene	130	10		ug/m3	10	10/3/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
Trichloroethene	0.93	0.82		ug/m3	1	10/3/2004
Vinyl chloride	ND	0.39		ug/m3	1	10/3/2004

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *09-Oct-04*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	APT-R-1A
Lab Order:	C0409014	**Tag Number:**	141,109
Project:	Ref. 34253 - Dambrouse	**Collection Date:**	9/23/2004
Lab ID:	C0409014-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	10/3/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/3/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/3/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/3/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/3/2004
Chloroethane	ND	0.40		ug/m3	1	10/3/2004
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
Tetrachloroethylene	120	10		ug/m3	10	10/3/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
Trichloroethene	ND	0.82		ug/m3	1	10/3/2004
Vinyl chloride	ND	0.39		ug/m3	1	10/3/2004

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *09-Oct-04*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	DC-1A
Lab Order:	C0409014	**Tag Number:**	137,41
Project:	Ref. 34253 - Dambrouse	**Collection Date:**	9/23/2004
Lab ID:	C0409014-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	10/3/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/3/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/3/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/3/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/3/2004
Chloroethane	ND	0.40		ug/m3	1	10/3/2004
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
Tetrachloroethylene	360	31		ug/m3	30	10/3/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
Trichloroethene	ND	0.82		ug/m3	1	10/3/2004
Vinyl chloride	ND	0.39		ug/m3	1	10/3/2004

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *09-Oct-04*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	BAS-SS
Lab Order:	C0409014	**Tag Number:**	133, 58
Project:	Ref. 34253 - Dambrouse	**Collection Date:**	9/23/2004
Lab ID:	C0409014-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	550		ug/m3	20	10/4/2004
1,1,2,2-Tetrachloroethane	ND	700		ug/m3	20	10/4/2004
1,1,2-Trichloroethane	ND	550		ug/m3	20	10/4/2004
1,1-Dichloroethane	ND	410		ug/m3	20	10/4/2004
1,1-Dichloroethene	ND	400		ug/m3	20	10/4/2004
1,2-Dichloroethane	ND	410		ug/m3	20	10/4/2004
Chloroethane	ND	270		ug/m3	20	10/4/2004
cis-1,2-Dichloroethene	7400	400		ug/m3	20	10/4/2004
Tetrachloroethylene	1200000	76000		ug/m3	2160	10/7/2004
trans-1,2-Dichloroethene	ND	400		ug/m3	20	10/4/2004
Trichloroethene	13000	550		ug/m3	20	10/4/2004
Vinyl chloride	ND	260		ug/m3	20	10/4/2004

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *09-Oct-04*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	APT-R-CS
Lab Order:	C0409014	**Tag Number:**	128,15
Project:	Ref. 34253 - Dambrouse	**Collection Date:**	9/23/2004
Lab ID:	C0409014-005A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	550		ug/m3	20	10/4/2004
1,1,2,2-Tetrachloroethane	ND	700		ug/m3	20	10/4/2004
1,1,2-Trichloroethane	ND	550		ug/m3	20	10/4/2004
1,1-Dichloroethane	ND	410		ug/m3	20	10/4/2004
1,1-Dichloroethene	ND	400		ug/m3	20	10/4/2004
1,2-Dichloroethane	ND	410		ug/m3	20	10/4/2004
Chloroethane	ND	270		ug/m3	20	10/4/2004
cis-1,2-Dichloroethene	ND	400		ug/m3	20	10/4/2004
Tetrachloroethylene	9300	690		ug/m3	20	10/4/2004
trans-1,2-Dichloroethene	ND	400		ug/m3	20	10/4/2004
Trichloroethene	ND	550		ug/m3	20	10/4/2004
Vinyl chloride	ND	260		ug/m3	20	10/4/2004

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *09-Oct-04*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	BKGD-AA
Lab Order:	C0409014	**Tag Number:**	131, 53
Project:	Ref. 34253 - Dambrouse	**Collection Date:**	9/23/2004
Lab ID:	C0409014-006A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	10/3/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/3/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/3/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/3/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/3/2004
Chloroethane	ND	0.40		ug/m3	1	10/3/2004
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
Tetrachloroethylene	120	10		ug/m3	10	10/3/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
Trichloroethene	1.1	0.82		ug/m3	1	10/3/2004
Vinyl chloride	ND	0.39		ug/m3	1	10/3/2004

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *09-Oct-04*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	Dup
Lab Order:	C0409014	**Tag Number:**	140, 69
Project:	Ref. 34253 - Dambrouse	**Collection Date:**	9/23/2004
Lab ID:	C0409014-007A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	61000		ug/m3	2160	10/7/2004
1,1,2,2-Tetrachloroethane	ND	77000		ug/m3	2160	10/7/2004
1,1,2-Trichloroethane	ND	61000		ug/m3	2160	10/7/2004
1,1-Dichloroethane	ND	45000		ug/m3	2160	10/7/2004
1,1-Dichloroethene	ND	44000		ug/m3	2160	10/7/2004
1,2-Dichloroethane	ND	45000		ug/m3	2160	10/7/2004
Chloroethane	ND	30000		ug/m3	2160	10/7/2004
cis-1,2-Dichloroethene	ND	44000		ug/m3	2160	10/7/2004
Tetrachloroethylene	1100000	76000		ug/m3	2160	10/7/2004
trans-1,2-Dichloroethene	ND	44000		ug/m3	2160	10/7/2004
Trichloroethene	ND	60000		ug/m3	2160	10/7/2004
Vinyl chloride	ND	29000		ug/m3	2160	10/7/2004

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *09-Oct-04*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	BAS-1A
Lab Order:	C0409014	**Tag Number:**	132, 49
Project:	Ref. 34253 - Dambrouse	**Collection Date:**	9/23/2004
Lab ID:	C0409014-008A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	10/3/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/3/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/3/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/3/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/3/2004
Chloroethane	ND	0.40		ug/m3	1	10/3/2004
cis-1,2-Dichloroethene	0.64	0.60		ug/m3	1	10/3/2004
Tetrachloroethylene	64	10		ug/m3	10	10/3/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
Trichloroethene	ND	0.82		ug/m3	1	10/3/2004
Vinyl chloride	ND	0.39		ug/m3	1	10/3/2004

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *09-Oct-04*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	Trip Blank
Lab Order:	C0409014	**Tag Number:**	138
Project:	Ref. 34253 - Dambrouse	**Collection Date:**	
Lab ID:	C0409014-010A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	10/3/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/3/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/3/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/3/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/3/2004
Chloroethane	ND	0.40		ug/m3	1	10/3/2004
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
Tetrachloroethylene	ND	1.0		ug/m3	1	10/3/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/3/2004
Trichloroethene	ND	0.82		ug/m3	1	10/3/2004
Vinyl chloride	ND	0.39		ug/m3	1	10/3/2004

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Appendix I

Exterior Soil Gas, Garment Sample, and Ambient Air Sampling Results of December 2004

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	SG-1 (8hr
Lab Order:	C0412004	**Tag Number:**	140 152
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	12/6/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	12/6/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	12/6/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	12/6/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	12/6/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	12/6/2004
Chloroethane	ND	0.40		ug/m3	1	12/6/2004
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/6/2004
Tetrachloroethylene	410	41		ug/m3	40	12/6/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/6/2004
Trichloroethene	2.9	0.82		ug/m3	1	12/6/2004
Vinyl chloride	ND	0.39		ug/m3	1	12/6/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	SG-2 (8hr)
Lab Order:	C0412004	**Tag Number:**	108 2
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	280		ug/m3	10	12/7/2004
1,1,2,2-Tetrachloroethane	ND	350		ug/m3	10	12/7/2004
1,1,2-Trichloroethane	ND	280		ug/m3	10	12/7/2004
1,1-Dichloroethane	ND	210		ug/m3	10	12/7/2004
1,1-Dichloroethene	ND	200		ug/m3	10	12/7/2004
1,2-Dichloroethane	ND	210		ug/m3	10	12/7/2004
Chloroethane	ND	130		ug/m3	10	12/7/2004
cis-1,2-Dichloroethene	ND	200		ug/m3	10	12/7/2004
Tetrachloroethylene	38000	3100		ug/m3	90	12/7/2004
trans-1,2-Dichloroethene	ND	200		ug/m3	10	12/7/2004
Trichloroethene	2400	270		ug/m3	10	12/7/2004
Vinyl chloride	ND	130		ug/m3	10	12/7/2004
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	8.3		ug/m3	10	12/5/2004
1,1,2,2-Tetrachloroethane	ND	10		ug/m3	10	12/5/2004
1,1,2-Trichloroethane	ND	8.3		ug/m3	10	12/5/2004
1,1-Dichloroethane	ND	6.2		ug/m3	10	12/5/2004
1,1-Dichloroethene	ND	6.0		ug/m3	10	12/5/2004
1,2-Dichloroethane	ND	6.2		ug/m3	10	12/5/2004
Chloroethane	ND	4.0		ug/m3	10	12/5/2004
cis-1,2-Dichloroethene	170	6.0		ug/m3	10	12/5/2004
Tetrachloroethylene	18000	10	E	ug/m3	10	12/5/2004
trans-1,2-Dichloroethene	ND	6.0		ug/m3	10	12/5/2004
Trichloroethene	2000	8.2	E	ug/m3	10	12/5/2004
Vinyl chloride	ND	3.9		ug/m3	10	12/5/2004

NOTES:

E - Estimated value. The amount exceeds the linear working range of the instrument. See TO-15 for final result.

* The reporting limits were raised due to the high concentration of target compounds.

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	SG-3 (8hr)
Lab Order:	C0412004	**Tag Number:**	88 46
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	12/6/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	12/6/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	12/6/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	12/6/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	12/6/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	12/6/2004
Chloroethane	ND	0.40		ug/m3	1	12/6/2004
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/6/2004
Tetrachloroethylene	380	41		ug/m3	40	12/6/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/6/2004
Trichloroethene	1.5	0.82		ug/m3	1	12/6/2004
Vinyl chloride	ND	0.39		ug/m3	1	12/6/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	SG-5 (8hr)
Lab Order:	C0412004	**Tag Number:**	90 57
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	12/5/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
Chloroethane	ND	0.40		ug/m3	1	12/5/2004
cis-1,2-Dichloroethene	1.8	0.60		ug/m3	1	12/5/2004
Tetrachloroethylene	7.8	1.0		ug/m3	1	12/5/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Trichloroethene	1.2	0.82		ug/m3	1	12/5/2004
Vinyl chloride	ND	0.39		ug/m3	1	12/5/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	SG-6 (8hr)
Lab Order:	C0412004	**Tag Number:**	107 119
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-005A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	12/5/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
Chloroethane	ND	0.40		ug/m3	1	12/5/2004
cis-1,2-Dichloroethene	1.8	0.60		ug/m3	1	12/5/2004
Tetrachloroethylene	3.2	1.0		ug/m3	1	12/5/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Trichloroethene	1.5	0.82		ug/m3	1	12/5/2004
Vinyl chloride	ND	0.39		ug/m3	1	12/5/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	SG-7 (8hr)
Lab Order:	C0412004	**Tag Number:**	85 113
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-006A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	12/5/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
Chloroethane	ND	0.40		ug/m3	1	12/5/2004
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Tetrachloroethylene	0.97	1.0	J	ug/m3	1	12/5/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Trichloroethene	1.0	0.82		ug/m3	1	12/5/2004
Vinyl chloride	ND	0.39		ug/m3	1	12/5/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	SG-8-2 (8hr)
Lab Order:	C0412004	**Tag Number:**	128
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-007A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	12/5/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
Chloroethane	ND	0.40		ug/m3	1	12/5/2004
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Tetrachloroethylene	13	1.0		ug/m3	1	12/5/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Trichloroethene	1.9	0.82		ug/m3	1	12/5/2004
Vinyl chloride	ND	0.39		ug/m3	1	12/5/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	SG-9 (8hr)
Lab Order:	C0412004	**Tag Number:**	92 62
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-008A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TO15 SELECT COMPOUNDS SIMS		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	0.13	0.055		ug/m3	1	12/8/2004
1,1,2,2-Tetrachloroethane	ND	0.070		ug/m3	1	12/8/2004
1,1,2-Trichloroethane	ND	0.055		ug/m3	1	12/8/2004
1,1-Dichloroethane	ND	0.041		ug/m3	1	12/8/2004
1,1-Dichloroethene	ND	0.040		ug/m3	1	12/8/2004
1,2-Dichloroethane	ND	0.041		ug/m3	1	12/8/2004
Chloroethane	ND	0.027		ug/m3	1	12/8/2004
cis-1,2-Dichloroethene	4.1	0.040	NR	ug/m3	1	12/8/2004
Tetrachloroethylene	2.1	0.069	E	ug/m3	1	12/8/2004
trans-1,2-Dichloroethene	ND	0.040		ug/m3	1	12/8/2004
Trichloroethene	18	0.055	NR	ug/m3	1	12/8/2004
Vinyl chloride	ND	0.026		ug/m3	1	12/8/2004

NOTES:

E - Estimated value. The amount exceeds the linear working range of the instrument. See TO15_1ug/M3 for final result.

NR- Sample was cross contaminated with a previous sample for this compound.

AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	12/5/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
Chloroethane	ND	0.40		ug/m3	1	12/5/2004
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Tetrachloroethylene	1.3	1.0		ug/m3	1	12/5/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Trichloroethene	1.2	0.82		ug/m3	1	12/5/2004
Vinyl chloride	ND	0.39		ug/m3	1	12/5/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	SG-10 (8hr)
Lab Order:	C0412004	**Tag Number:**	141 111
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-009A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	12/5/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
Chloroethane	ND	0.40		ug/m3	1	12/5/2004
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Tetrachloroethylene	2.1	1.0		ug/m3	1	12/5/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Trichloroethene	1.1	0.82		ug/m3	1	12/5/2004
Vinyl chloride	ND	0.39		ug/m3	1	12/5/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	SG-11 (8hr)
Lab Order:	C0412004	**Tag Number:**	98 55
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-010A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	12/5/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
Chloroethane	ND	0.40		ug/m3	1	12/5/2004
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Tetrachloroethylene	ND	1.0		ug/m3	1	12/5/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Trichloroethene	0.87	0.82		ug/m3	1	12/5/2004
Vinyl chloride	ND	0.39		ug/m3	1	12/5/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	Garment Screen (2hr)
Lab Order:	C0412004	**Tag Number:**	138 110
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-011A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	1700		ug/m3	60	12/7/2004
1,1,2,2-Tetrachloroethane	ND	2100		ug/m3	60	12/7/2004
1,1,2-Trichloroethane	ND	1700		ug/m3	60	12/7/2004
1,1-Dichloroethane	ND	1200		ug/m3	60	12/7/2004
1,1-Dichloroethene	ND	1200		ug/m3	60	12/7/2004
1,2-Dichloroethane	ND	1200		ug/m3	60	12/7/2004
Chloroethane	ND	800		ug/m3	60	12/7/2004
cis-1,2-Dichloroethene	ND	1200		ug/m3	60	12/7/2004
Tetrachloroethylene	16000	2100		ug/m3	60	12/7/2004
trans-1,2-Dichloroethene	ND	1200		ug/m3	60	12/7/2004
Trichloroethene	ND	1600		ug/m3	60	12/7/2004
Vinyl chloride	ND	780		ug/m3	60	12/7/2004
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	1.7		ug/m3	2	12/5/2004
1,1,2,2-Tetrachloroethane	ND	2.1		ug/m3	2	12/5/2004
1,1,2-Trichloroethane	ND	1.7		ug/m3	2	12/5/2004
1,1-Dichloroethane	ND	1.2		ug/m3	2	12/5/2004
1,1-Dichloroethene	ND	1.2		ug/m3	2	12/5/2004
1,2-Dichloroethane	ND	1.2		ug/m3	2	12/5/2004
Chloroethane	ND	0.80		ug/m3	2	12/5/2004
cis-1,2-Dichloroethene	ND	1.2		ug/m3	2	12/5/2004
Tetrachloroethylene	6100	2.1	E	ug/m3	2	12/5/2004
trans-1,2-Dichloroethene	ND	1.2		ug/m3	2	12/5/2004
Trichloroethene	4.4	1.6		ug/m3	2	12/5/2004
Vinyl chloride	ND	0.78		ug/m3	2	12/5/2004

NOTES:

E - Estimated value. The amount exceeds the linear working range of the instrument. See TO-15 for final result.

* The reporting limits were raised due to the high concentration of target compounds.

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	Ambient Air
Lab Order:	C0412004	**Tag Number:**	87 66
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-012A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TO15 SELECT COMPOUNDS SIMS		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	0.12	0.055		ug/m3	1	12/8/2004
1,1,2,2-Tetrachloroethane	ND	0.070		ug/m3	1	12/8/2004
1,1,2-Trichloroethane	ND	0.055		ug/m3	1	12/8/2004
1,1-Dichloroethane	ND	0.041		ug/m3	1	12/8/2004
1,1-Dichloroethene	ND	0.040		ug/m3	1	12/8/2004
1,2-Dichloroethane	ND	0.041		ug/m3	1	12/8/2004
Chloroethane	ND	0.027		ug/m3	1	12/8/2004
cis-1,2-Dichloroethene	0.81	0.040		ug/m3	1	12/8/2004
Tetrachloroethylene	1.2	0.069		ug/m3	1	12/8/2004
trans-1,2-Dichloroethene	ND	0.040		ug/m3	1	12/8/2004
Trichloroethene	3.0	0.055	E	ug/m3	1	12/8/2004
Vinyl chloride	ND	0.026		ug/m3	1	12/8/2004

NOTES:
E - Estimated value. The amount exceeds the linear working range of the instrument. See to15_1ug/M3 for final result.

AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	12/5/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	12/5/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	12/5/2004
Chloroethane	ND	0.40		ug/m3	1	12/5/2004
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Tetrachloroethylene	ND	1.0		ug/m3	1	12/5/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/5/2004
Trichloroethene	0.82	0.82		ug/m3	1	12/5/2004
Vinyl chloride	ND	0.39		ug/m3	1	12/5/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	Dup
Lab Order:	C0412004	**Tag Number:**	89
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-013A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	12/6/2004
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	12/6/2004
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	12/6/2004
1,1-Dichloroethane	ND	0.62		ug/m3	1	12/6/2004
1,1-Dichloroethene	ND	0.60		ug/m3	1	12/6/2004
1,2-Dichloroethane	ND	0.62		ug/m3	1	12/6/2004
Chloroethane	ND	0.40		ug/m3	1	12/6/2004
cis-1,2-Dichloroethene	1.8	0.60		ug/m3	1	12/6/2004
Tetrachloroethylene	150	41		ug/m3	40	12/6/2004
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	12/6/2004
Trichloroethene	2.4	0.82		ug/m3	1	12/6/2004
Vinyl chloride	ND	0.39		ug/m3	1	12/6/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Centek Laboratories, LLC

Date: *10-Jan-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	Trip Blank
Lab Order:	C0412004	**Tag Number:**	129
Project:	29274.010.010	**Collection Date:**	12/2/2004
Lab ID:	C0412004-014A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TO15 SELECT COMPOUNDS SIMS		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.055		ug/m3	1	12/8/2004
1,1,2,2-Tetrachloroethane	ND	0.070		ug/m3	1	12/8/2004
1,1,2-Trichloroethane	ND	0.055		ug/m3	1	12/8/2004
1,1-Dichloroethane	ND	0.041		ug/m3	1	12/8/2004
1,1-Dichloroethene	ND	0.040		ug/m3	1	12/8/2004
1,2-Dichloroethane	ND	0.041		ug/m3	1	12/8/2004
Chloroethane	ND	0.027		ug/m3	1	12/8/2004
cis-1,2-Dichloroethene	ND	0.040		ug/m3	1	12/8/2004
Tetrachloroethylene	ND	0.069		ug/m3	1	12/8/2004
trans-1,2-Dichloroethene	ND	0.040		ug/m3	1	12/8/2004
Trichloroethene	ND	0.055		ug/m3	1	12/8/2004
Vinyl chloride	ND	0.026		ug/m3	1	12/8/2004

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits
JN	Non-routine analyte. Quantitation estimated.		

Appendix J

Indoor Air, Sub-Slab Soil Gas, and Ambient Air Sampling Results of April 2005

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	1523V-BAS-1A
Lab Order:	C0504022	**Tag Number:**	218, 122
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	4/15/2005
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,1-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	4/15/2005
1,2,4-Trimethylbenzene	1.2	0.75		ug/m3	1	4/15/2005
1,2-Dibromoethane	ND	1.2		ug/m3	1	4/15/2005
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,2-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,2-Dichloropropane	ND	0.70		ug/m3	1	4/15/2005
1,3,5-Trimethylbenzene	0.70	0.75	J	ug/m3	1	4/15/2005
1,3-butadiene	ND	0.34		ug/m3	1	4/15/2005
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dioxane	ND	1.1		ug/m3	1	4/15/2005
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	4/15/2005
4-ethyltoluene	ND	0.75		ug/m3	1	4/15/2005
Acetone	5.2	0.72		ug/m3	1	4/15/2005
Allyl chloride	ND	0.48		ug/m3	1	4/15/2005
Benzene	0.71	0.49		ug/m3	1	4/15/2005
Benzyl chloride	ND	0.88		ug/m3	1	4/15/2005
Bromodichloromethane	ND	1.0		ug/m3	1	4/15/2005
Bromoform	ND	1.6		ug/m3	1	4/15/2005
Bromomethane	ND	0.59		ug/m3	1	4/15/2005
Carbon disulfide	ND	0.47		ug/m3	1	4/15/2005
Carbon tetrachloride	ND	0.96		ug/m3	1	4/15/2005
Chlorobenzene	ND	0.70		ug/m3	1	4/15/2005
Chloroethane	ND	0.40		ug/m3	1	4/15/2005
Chloroform	ND	0.74		ug/m3	1	4/15/2005
Chloromethane	0.84	0.31		ug/m3	1	4/15/2005
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Cyclohexane	ND	0.52		ug/m3	1	4/15/2005
Dibromochloromethane	ND	1.3		ug/m3	1	4/15/2005
Ethyl acetate	ND	0.92		ug/m3	1	4/15/2005
Ethylbenzene	0.35	0.66	J	ug/m3	1	4/15/2005
Freon 11	1.7	0.86		ug/m3	1	4/15/2005
Freon 113	ND	1.2		ug/m3	1	4/15/2005
Freon 114	ND	1.1		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	1523V-BAS-1A
Lab Order:	C0504022	**Tag Number:**	218, 122
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
Freon 12	3.0	0.75		ug/m3	1	4/15/2005
Heptane	ND	0.62		ug/m3	1	4/15/2005
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	4/15/2005
Hexane	ND	0.54		ug/m3	1	4/15/2005
Isopropyl alcohol	ND	0.37		ug/m3	1	4/15/2005
m-Xylene	0.88	0.66		ug/m3	1	4/15/2005
Methyl Butyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	4/15/2005
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl tert-butyl ether	ND	0.55		ug/m3	1	4/15/2005
Methylene chloride	0.35	0.53	J	ug/m3	1	4/15/2005
o-Xylene	0.44	0.66	J	ug/m3	1	4/15/2005
p-Xylene	ND	0.66		ug/m3	1	4/15/2005
Propylene	ND	0.26		ug/m3	1	4/15/2005
Styrene	ND	0.65		ug/m3	1	4/15/2005
Tetrachloroethylene	20	4.1		ug/m3	4	4/15/2005
Tetrahydrofuran	ND	0.45		ug/m3	1	4/15/2005
Toluene	2.2	0.57		ug/m3	1	4/15/2005
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Trichloroethene	0.93	0.82		ug/m3	1	4/15/2005
Vinyl acetate	ND	0.54		ug/m3	1	4/15/2005
Vinyl Bromide	ND	0.67		ug/m3	1	4/15/2005
Vinyl chloride	ND	0.39		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	1523 V-F-1A
Lab Order:	C0504022	**Tag Number:**	98, 121
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	4/15/2005
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,1-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	4/15/2005
1,2,4-Trimethylbenzene	3.4	0.75		ug/m3	1	4/15/2005
1,2-Dibromoethane	ND	1.2		ug/m3	1	4/15/2005
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,2-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,2-Dichloropropane	ND	0.70		ug/m3	1	4/15/2005
1,3,5-Trimethylbenzene	2.1	0.75		ug/m3	1	4/15/2005
1,3-butadiene	ND	0.34		ug/m3	1	4/15/2005
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dichlorobenzene	0.98	0.92		ug/m3	1	4/15/2005
1,4-Dioxane	ND	1.1		ug/m3	1	4/15/2005
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	4/15/2005
4-ethyltoluene	0.50	0.75	J	ug/m3	1	4/15/2005
Acetone	64	14		ug/m3	20	4/15/2005
Allyl chloride	ND	0.48		ug/m3	1	4/15/2005
Benzene	1.0	0.49		ug/m3	1	4/15/2005
Benzyl chloride	ND	0.88		ug/m3	1	4/15/2005
Bromodichloromethane	ND	1.0		ug/m3	1	4/15/2005
Bromoform	ND	1.6		ug/m3	1	4/15/2005
Bromomethane	ND	0.59		ug/m3	1	4/15/2005
Carbon disulfide	ND	0.47		ug/m3	1	4/15/2005
Carbon tetrachloride	ND	0.96		ug/m3	1	4/15/2005
Chlorobenzene	ND	0.70		ug/m3	1	4/15/2005
Chloroethane	ND	0.40		ug/m3	1	4/15/2005
Chloroform	0.60	0.74	J	ug/m3	1	4/15/2005
Chloromethane	ND	0.31		ug/m3	1	4/15/2005
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Cyclohexane	ND	0.52		ug/m3	1	4/15/2005
Dibromochloromethane	ND	1.3		ug/m3	1	4/15/2005
Ethyl acetate	ND	0.92		ug/m3	1	4/15/2005
Ethylbenzene	0.93	0.66		ug/m3	1	4/15/2005
Freon 11	2.2	0.86		ug/m3	1	4/15/2005
Freon 113	ND	1.2		ug/m3	1	4/15/2005
Freon 114	ND	1.1		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	1523 V-F-1A
Lab Order:	C0504022	**Tag Number:**	98, 121
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
Freon 12	2.9	0.75		ug/m3	1	4/15/2005
Heptane	ND	0.62		ug/m3	1	4/15/2005
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	4/15/2005
Hexane	ND	0.54		ug/m3	1	4/15/2005
Isopropyl alcohol	ND	0.37		ug/m3	1	4/15/2005
m-Xylene	2.3	0.66		ug/m3	1	4/15/2005
Methyl Butyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	4/15/2005
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl tert-butyl ether	ND	0.55		ug/m3	1	4/15/2005
Methylene chloride	ND	0.53		ug/m3	1	4/15/2005
o-Xylene	1.1	0.66		ug/m3	1	4/15/2005
p-Xylene	0.79	0.66		ug/m3	1	4/15/2005
Propylene	ND	0.26		ug/m3	1	4/15/2005
Styrene	0.43	0.65	J	ug/m3	1	4/15/2005
Tetrachloroethylene	7.2	1.0		ug/m3	1	4/15/2005
Tetrahydrofuran	ND	0.45		ug/m3	1	4/15/2005
Toluene	5.7	0.57		ug/m3	1	4/15/2005
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Trichloroethene	ND	0.82		ug/m3	1	4/15/2005
Vinyl acetate	ND	0.54		ug/m3	1	4/15/2005
Vinyl Bromide	ND	0.67		ug/m3	1	4/15/2005
Vinyl chloride	ND	0.39		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	1523 V-R-1A
Lab Order:	C0504022	**Tag Number:**	202, 148
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	4/15/2005
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,1-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	4/15/2005
1,2,4-Trimethylbenzene	4.9	0.75		ug/m3	1	4/15/2005
1,2-Dibromoethane	ND	1.2		ug/m3	1	4/15/2005
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,2-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,2-Dichloropropane	ND	0.70		ug/m3	1	4/15/2005
1,3,5-Trimethylbenzene	2.6	0.75		ug/m3	1	4/15/2005
1,3-butadiene	ND	0.34		ug/m3	1	4/15/2005
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dioxane	ND	1.1		ug/m3	1	4/15/2005
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	4/15/2005
4-ethyltoluene	0.80	0.75		ug/m3	1	4/15/2005
Acetone	37	7.2		ug/m3	10	4/15/2005
Allyl chloride	ND	0.48		ug/m3	1	4/15/2005
Benzene	2.1	0.49		ug/m3	1	4/15/2005
Benzyl chloride	ND	0.88		ug/m3	1	4/15/2005
Bromodichloromethane	ND	1.0		ug/m3	1	4/15/2005
Bromoform	ND	1.6		ug/m3	1	4/15/2005
Bromomethane	ND	0.59		ug/m3	1	4/15/2005
Carbon disulfide	ND	0.47		ug/m3	1	4/15/2005
Carbon tetrachloride	ND	0.96		ug/m3	1	4/15/2005
Chlorobenzene	ND	0.70		ug/m3	1	4/15/2005
Chloroethane	ND	0.40		ug/m3	1	4/15/2005
Chloroform	ND	0.74		ug/m3	1	4/15/2005
Chloromethane	3.4	0.31		ug/m3	1	4/15/2005
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Cyclohexane	ND	0.52		ug/m3	1	4/15/2005
Dibromochloromethane	ND	1.3		ug/m3	1	4/15/2005
Ethyl acetate	ND	0.92		ug/m3	1	4/15/2005
Ethylbenzene	1.2	0.66		ug/m3	1	4/15/2005
Freon 11	8.1	0.86		ug/m3	1	4/15/2005
Freon 113	ND	1.2		ug/m3	1	4/15/2005
Freon 114	ND	1.1		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	1523 V-R-1A
Lab Order:	C0504022	**Tag Number:**	202, 148
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
Freon 12	15	7.5		ug/m3	10	4/15/2005
Heptane	ND	0.62		ug/m3	1	4/15/2005
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	4/15/2005
Hexane	1.6	0.54		ug/m3	1	4/15/2005
Isopropyl alcohol	ND	0.37		ug/m3	1	4/15/2005
m-Xylene	4.4	0.66		ug/m3	1	4/15/2005
Methyl Butyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	4/15/2005
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl tert-butyl ether	ND	0.55		ug/m3	1	4/15/2005
Methylene chloride	ND	0.53		ug/m3	1	4/15/2005
o-Xylene	1.8	0.66		ug/m3	1	4/15/2005
p-Xylene	1.5	0.66		ug/m3	1	4/15/2005
Propylene	ND	0.26		ug/m3	1	4/15/2005
Styrene	ND	0.65		ug/m3	1	4/15/2005
Tetrachloroethylene	4.6	1.0		ug/m3	1	4/15/2005
Tetrahydrofuran	ND	0.45		ug/m3	1	4/15/2005
Toluene	8.0	5.7		ug/m3	10	4/15/2005
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Trichloroethene	ND	0.82		ug/m3	1	4/15/2005
Vinyl acetate	ND	0.54		ug/m3	1	4/15/2005
Vinyl Bromide	ND	0.67		ug/m3	1	4/15/2005
Vinyl chloride	ND	0.39		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	1526 C-BAS-SS
Lab Order:	C0504022	**Tag Number:**	239, 183
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	4/15/2005
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,1-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	4/15/2005
1,2,4-Trimethylbenzene	10	7.5		ug/m3	10	4/15/2005
1,2-Dibromoethane	ND	1.2		ug/m3	1	4/15/2005
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,2-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,2-Dichloropropane	ND	0.70		ug/m3	1	4/15/2005
1,3,5-Trimethylbenzene	5.0	0.75		ug/m3	1	4/15/2005
1,3-butadiene	ND	0.34		ug/m3	1	4/15/2005
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dioxane	ND	1.1		ug/m3	1	4/15/2005
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	4/15/2005
4-ethyltoluene	4.5	0.75		ug/m3	1	4/15/2005
Acetone	22	7.2		ug/m3	10	4/15/2005
Allyl chloride	ND	0.48		ug/m3	1	4/15/2005
Benzene	3.7	0.49		ug/m3	1	4/15/2005
Benzyl chloride	ND	0.88		ug/m3	1	4/15/2005
Bromodichloromethane	ND	1.0		ug/m3	1	4/15/2005
Bromoform	ND	1.6		ug/m3	1	4/15/2005
Bromomethane	ND	0.59		ug/m3	1	4/15/2005
Carbon disulfide	1.6	0.47		ug/m3	1	4/15/2005
Carbon tetrachloride	ND	0.96		ug/m3	1	4/15/2005
Chlorobenzene	ND	0.70		ug/m3	1	4/15/2005
Chloroethane	ND	0.40		ug/m3	1	4/15/2005
Chloroform	0.84	0.74		ug/m3	1	4/15/2005
Chloromethane	ND	0.31		ug/m3	1	4/15/2005
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Cyclohexane	ND	0.52		ug/m3	1	4/15/2005
Dibromochloromethane	ND	1.3		ug/m3	1	4/15/2005
Ethyl acetate	6.0	0.92		ug/m3	1	4/15/2005
Ethylbenzene	6.6	6.6		ug/m3	10	4/15/2005
Freon 11	4.4	0.86		ug/m3	1	4/15/2005
Freon 113	0.78	1.2	J	ug/m3	1	4/15/2005
Freon 114	ND	1.1		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	1526 C-BAS-SS
Lab Order:	C0504022	**Tag Number:**	239, 183
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
Freon 12	2.9	0.75		ug/m3	1	4/15/2005
Heptane	ND	0.62		ug/m3	1	4/15/2005
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	4/15/2005
Hexane	2.0	0.54		ug/m3	1	4/15/2005
Isopropyl alcohol	ND	0.37		ug/m3	1	4/15/2005
m-Xylene	15	6.6		ug/m3	10	4/15/2005
Methyl Butyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl Ethyl Ketone	6.3	0.90		ug/m3	1	4/15/2005
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl tert-butyl ether	21	5.5		ug/m3	10	4/15/2005
Methylene chloride	0.99	0.53		ug/m3	1	4/15/2005
o-Xylene	5.3	6.6	J	ug/m3	10	4/15/2005
p-Xylene	9.0	0.66		ug/m3	1	4/15/2005
Propylene	ND	0.26		ug/m3	1	4/15/2005
Styrene	3.8	0.65		ug/m3	1	4/15/2005
Tetrachloroethylene	0.97	1.0	J	ug/m3	1	4/15/2005
Tetrahydrofuran	ND	0.45		ug/m3	1	4/15/2005
Toluene	21	5.7		ug/m3	10	4/15/2005
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Trichloroethene	1.3	0.82		ug/m3	1	4/15/2005
Vinyl acetate	ND	0.54		ug/m3	1	4/15/2005
Vinyl Bromide	ND	0.67		ug/m3	1	4/15/2005
Vinyl chloride	ND	0.39		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	1526 C-BAS-1A
Lab Order:	C0504022	**Tag Number:**	234, 146
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-005A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	4/15/2005
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,1-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	4/15/2005
1,2,4-Trimethylbenzene	2.5	0.75		ug/m3	1	4/15/2005
1,2-Dibromoethane	ND	1.2		ug/m3	1	4/15/2005
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,2-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,2-Dichloropropane	ND	0.70		ug/m3	1	4/15/2005
1,3,5-Trimethylbenzene	1.6	0.75		ug/m3	1	4/15/2005
1,3-butadiene	ND	0.34		ug/m3	1	4/15/2005
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dioxane	ND	1.1		ug/m3	1	4/15/2005
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	4/15/2005
4-ethyltoluene	ND	0.75		ug/m3	1	4/15/2005
Acetone	16	3.6		ug/m3	5	4/15/2005
Allyl chloride	ND	0.48		ug/m3	1	4/15/2005
Benzene	1.2	0.49		ug/m3	1	4/15/2005
Benzyl chloride	ND	0.88		ug/m3	1	4/15/2005
Bromodichloromethane	ND	1.0		ug/m3	1	4/15/2005
Bromoform	ND	1.6		ug/m3	1	4/15/2005
Bromomethane	ND	0.59		ug/m3	1	4/15/2005
Carbon disulfide	ND	0.47		ug/m3	1	4/15/2005
Carbon tetrachloride	ND	0.96		ug/m3	1	4/15/2005
Chlorobenzene	ND	0.70		ug/m3	1	4/15/2005
Chloroethane	ND	0.40		ug/m3	1	4/15/2005
Chloroform	1.0	0.74		ug/m3	1	4/15/2005
Chloromethane	ND	0.31		ug/m3	1	4/15/2005
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Cyclohexane	ND	0.52		ug/m3	1	4/15/2005
Dibromochloromethane	ND	1.3		ug/m3	1	4/15/2005
Ethyl acetate	ND	0.92		ug/m3	1	4/15/2005
Ethylbenzene	0.66	0.66		ug/m3	1	4/15/2005
Freon 11	4.1	0.86		ug/m3	1	4/15/2005
Freon 113	ND	1.2		ug/m3	1	4/15/2005
Freon 114	ND	1.1		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	1526 C-BAS-1A
Lab Order:	C0504022	**Tag Number:**	234, 146
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-005A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
Freon 12	2.9	0.75		ug/m3	1	4/15/2005
Heptane	ND	0.62		ug/m3	1	4/15/2005
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	4/15/2005
Hexane	2.0	0.54		ug/m3	1	4/15/2005
Isopropyl alcohol	ND	0.37		ug/m3	1	4/15/2005
m-Xylene	1.6	0.66		ug/m3	1	4/15/2005
Methyl Butyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	4/15/2005
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl tert-butyl ether	ND	0.55		ug/m3	1	4/15/2005
Methylene chloride	0.60	0.53		ug/m3	1	4/15/2005
o-Xylene	0.84	0.66		ug/m3	1	4/15/2005
p-Xylene	0.62	0.66	J	ug/m3	1	4/15/2005
Propylene	ND	0.26		ug/m3	1	4/15/2005
Styrene	ND	0.65		ug/m3	1	4/15/2005
Tetrachloroethylene	ND	1.0		ug/m3	1	4/15/2005
Tetrahydrofuran	ND	0.45		ug/m3	1	4/15/2005
Toluene	5.7	0.57		ug/m3	1	4/15/2005
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Trichloroethene	ND	0.82		ug/m3	1	4/15/2005
Vinyl acetate	ND	0.54		ug/m3	1	4/15/2005
Vinyl Bromide	ND	0.67		ug/m3	1	4/15/2005
Vinyl chloride	ND	0.39		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	1526 C-1-1A
Lab Order:	C0504022	**Tag Number:**	166, 123
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-006A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	0.83	0.83		ug/m3	1	4/15/2005
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	4/15/2005
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,1-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	4/15/2005
1,2,4-Trimethylbenzene	4.0	0.75		ug/m3	1	4/15/2005
1,2-Dibromoethane	ND	1.2		ug/m3	1	4/15/2005
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,2-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,2-Dichloropropane	ND	0.70		ug/m3	1	4/15/2005
1,3,5-Trimethylbenzene	2.2	0.75		ug/m3	1	4/15/2005
1,3-butadiene	ND	0.34		ug/m3	1	4/15/2005
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dioxane	ND	1.1		ug/m3	1	4/15/2005
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	4/15/2005
4-ethyltoluene	0.55	0.75	J	ug/m3	1	4/15/2005
Acetone	23	3.6		ug/m3	5	4/15/2005
Allyl chloride	ND	0.48		ug/m3	1	4/15/2005
Benzene	1.2	0.49		ug/m3	1	4/15/2005
Benzyl chloride	ND	0.88		ug/m3	1	4/15/2005
Bromodichloromethane	ND	1.0		ug/m3	1	4/15/2005
Bromoform	ND	1.6		ug/m3	1	4/15/2005
Bromomethane	ND	0.59		ug/m3	1	4/15/2005
Carbon disulfide	ND	0.47		ug/m3	1	4/15/2005
Carbon tetrachloride	ND	0.96		ug/m3	1	4/15/2005
Chlorobenzene	ND	0.70		ug/m3	1	4/15/2005
Chloroethane	ND	0.40		ug/m3	1	4/15/2005
Chloroform	0.60	0.74	J	ug/m3	1	4/15/2005
Chloromethane	ND	0.31		ug/m3	1	4/15/2005
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Cyclohexane	ND	0.52		ug/m3	1	4/15/2005
Dibromochloromethane	ND	1.3		ug/m3	1	4/15/2005
Ethyl acetate	ND	0.92		ug/m3	1	4/15/2005
Ethylbenzene	0.75	0.66		ug/m3	1	4/15/2005
Freon 11	3.0	0.86		ug/m3	1	4/15/2005
Freon 113	ND	1.2		ug/m3	1	4/15/2005
Freon 114	ND	1.1		ug/m3	1	4/15/2005

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	1526 C-1-1A
Lab Order:	C0504022	**Tag Number:**	166, 123
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-006A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
Freon 12	2.9	0.75		ug/m3	1	4/15/2005
Heptane	ND	0.62		ug/m3	1	4/15/2005
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	4/15/2005
Hexane	ND	0.54		ug/m3	1	4/15/2005
Isopropyl alcohol	ND	0.37		ug/m3	1	4/15/2005
m-Xylene	2.2	0.66		ug/m3	1	4/15/2005
Methyl Butyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	4/15/2005
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl tert-butyl ether	ND	0.55		ug/m3	1	4/15/2005
Methylene chloride	ND	0.53		ug/m3	1	4/15/2005
o-Xylene	1.1	0.66		ug/m3	1	4/15/2005
p-Xylene	0.71	0.66		ug/m3	1	4/15/2005
Propylene	ND	0.26		ug/m3	1	4/15/2005
Styrene	ND	0.65		ug/m3	1	4/15/2005
Tetrachloroethylene	2.6	1.0		ug/m3	1	4/15/2005
Tetrahydrofuran	ND	0.45		ug/m3	1	4/15/2005
Toluene	5.2	0.57		ug/m3	1	4/15/2005
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Trichloroethene	ND	0.82		ug/m3	1	4/15/2005
Vinyl acetate	ND	0.54		ug/m3	1	4/15/2005
Vinyl Bromide	ND	0.67		ug/m3	1	4/15/2005
Vinyl chloride	ND	0.39		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	DUP
Lab Order:	C0504022	**Tag Number:**	92, 172
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-007A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	4/15/2005
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,1-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	4/15/2005
1,2,4-Trimethylbenzene	9.0	3.7		ug/m3	5	4/15/2005
1,2-Dibromoethane	ND	1.2		ug/m3	1	4/15/2005
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,2-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,2-Dichloropropane	ND	0.70		ug/m3	1	4/15/2005
1,3,5-Trimethylbenzene	3.8	0.75		ug/m3	1	4/15/2005
1,3-butadiene	ND	0.34		ug/m3	1	4/15/2005
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dioxane	ND	1.1		ug/m3	1	4/15/2005
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	4/15/2005
4-ethyltoluene	3.2	0.75		ug/m3	1	4/15/2005
Acetone	26	3.6		ug/m3	5	4/15/2005
Allyl chloride	ND	0.48		ug/m3	1	4/15/2005
Benzene	2.5	0.49		ug/m3	1	4/15/2005
Benzyl chloride	ND	0.88		ug/m3	1	4/15/2005
Bromodichloromethane	ND	1.0		ug/m3	1	4/15/2005
Bromoform	ND	1.6		ug/m3	1	4/15/2005
Bromomethane	ND	0.59		ug/m3	1	4/15/2005
Carbon disulfide	ND	0.47		ug/m3	1	4/15/2005
Carbon tetrachloride	ND	0.96		ug/m3	1	4/15/2005
Chlorobenzene	ND	0.70		ug/m3	1	4/15/2005
Chloroethane	ND	0.40		ug/m3	1	4/15/2005
Chloroform	0.89	0.74		ug/m3	1	4/15/2005
Chloromethane	ND	0.31		ug/m3	1	4/15/2005
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Cyclohexane	ND	0.52		ug/m3	1	4/15/2005
Dibromochloromethane	ND	1.3		ug/m3	1	4/15/2005
Ethyl acetate	ND	0.92		ug/m3	1	4/15/2005
Ethylbenzene	5.4	0.66		ug/m3	1	4/15/2005
Freon 11	4.6	0.86		ug/m3	1	4/15/2005
Freon 113	ND	1.2		ug/m3	1	4/15/2005
Freon 114	ND	1.1		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	DUP
Lab Order:	C0504022	**Tag Number:**	92, 172
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-007A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
Freon 12	3.0	0.75		ug/m3	1	4/15/2005
Heptane	ND	0.62		ug/m3	1	4/15/2005
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	4/15/2005
Hexane	2.7	0.54		ug/m3	1	4/15/2005
Isopropyl alcohol	ND	0.37		ug/m3	1	4/15/2005
m-Xylene	12	0.66		ug/m3	1	4/15/2005
Methyl Butyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	4/15/2005
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl tert-butyl ether	4.6	0.55		ug/m3	1	4/15/2005
Methylene chloride	0.74	0.53		ug/m3	1	4/15/2005
o-Xylene	5.8	0.66		ug/m3	1	4/15/2005
p-Xylene	5.8	0.66		ug/m3	1	4/15/2005
Propylene	ND	0.26		ug/m3	1	4/15/2005
Styrene	2.2	0.65		ug/m3	1	4/15/2005
Tetrachloroethylene	ND	1.0		ug/m3	1	4/15/2005
Tetrahydrofuran	ND	0.45		ug/m3	1	4/15/2005
Toluene	13	2.9		ug/m3	5	4/15/2005
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Trichloroethene	0.71	0.82	J	ug/m3	1	4/15/2005
Vinyl acetate	ND	0.54		ug/m3	1	4/15/2005
Vinyl Bromide	ND	0.67		ug/m3	1	4/15/2005
Vinyl chloride	ND	0.39		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	AMBIENT CARRIE
Lab Order:	C0504022	**Tag Number:**	136, 49
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-008A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	4/15/2005
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,1-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	4/15/2005
1,2,4-Trimethylbenzene	2.0	0.75		ug/m3	1	4/15/2005
1,2-Dibromoethane	ND	1.2		ug/m3	1	4/15/2005
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,2-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,2-Dichloropropane	ND	0.70		ug/m3	1	4/15/2005
1,3,5-Trimethylbenzene	0.80	0.75		ug/m3	1	4/15/2005
1,3-butadiene	ND	0.34		ug/m3	1	4/15/2005
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dioxane	ND	1.1		ug/m3	1	4/15/2005
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	4/15/2005
4-ethyltoluene	ND	0.75		ug/m3	1	4/15/2005
Acetone	17	3.6		ug/m3	5	4/15/2005
Allyl chloride	ND	0.48		ug/m3	1	4/15/2005
Benzene	1.1	0.49		ug/m3	1	4/15/2005
Benzyl chloride	ND	0.88		ug/m3	1	4/15/2005
Bromodichloromethane	ND	1.0		ug/m3	1	4/15/2005
Bromoform	ND	1.6		ug/m3	1	4/15/2005
Bromomethane	ND	0.59		ug/m3	1	4/15/2005
Carbon disulfide	ND	0.47		ug/m3	1	4/15/2005
Carbon tetrachloride	0.64	0.96	J	ug/m3	1	4/15/2005
Chlorobenzene	ND	0.70		ug/m3	1	4/15/2005
Chloroethane	ND	0.40		ug/m3	1	4/15/2005
Chloroform	ND	0.74		ug/m3	1	4/15/2005
Chloromethane	1.1	0.31		ug/m3	1	4/15/2005
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Cyclohexane	ND	0.52		ug/m3	1	4/15/2005
Dibromochloromethane	ND	1.3		ug/m3	1	4/15/2005
Ethyl acetate	ND	0.92		ug/m3	1	4/15/2005
Ethylbenzene	0.44	0.66	J	ug/m3	1	4/15/2005
Freon 11	1.7	0.86		ug/m3	1	4/15/2005
Freon 113	ND	1.2		ug/m3	1	4/15/2005
Freon 114	ND	1.1		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	AMBIENT CARRIE
Lab Order:	C0504022	**Tag Number:**	136, 49
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-008A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
Freon 12	3.2	0.75		ug/m3	1	4/15/2005
Heptane	ND	0.62		ug/m3	1	4/15/2005
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	4/15/2005
Hexane	0.57	0.54		ug/m3	1	4/15/2005
Isopropyl alcohol	ND	0.37		ug/m3	1	4/15/2005
m-Xylene	1.1	0.66		ug/m3	1	4/15/2005
Methyl Butyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	4/15/2005
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl tert-butyl ether	ND	0.55		ug/m3	1	4/15/2005
Methylene chloride	ND	0.53		ug/m3	1	4/15/2005
o-Xylene	0.53	0.66	J	ug/m3	1	4/15/2005
p-Xylene	0.44	0.66	J	ug/m3	1	4/15/2005
Propylene	ND	0.26		ug/m3	1	4/15/2005
Styrene	ND	0.65		ug/m3	1	4/15/2005
Tetrachloroethylene	ND	1.0		ug/m3	1	4/15/2005
Tetrahydrofuran	ND	0.45		ug/m3	1	4/15/2005
Toluene	2.7	0.57		ug/m3	1	4/15/2005
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Trichloroethene	ND	0.82		ug/m3	1	4/15/2005
Vinyl acetate	ND	0.54		ug/m3	1	4/15/2005
Vinyl Bromide	ND	0.67		ug/m3	1	4/15/2005
Vinyl chloride	ND	0.39		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	AMBIENT-VANV
Lab Order:	C0504022	**Tag Number:**	224, 120
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-009A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	4/15/2005
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,1-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	4/15/2005
1,2,4-Trimethylbenzene	1.7	0.75		ug/m3	1	4/15/2005
1,2-Dibromoethane	ND	1.2		ug/m3	1	4/15/2005
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,2-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,2-Dichloropropane	ND	0.70		ug/m3	1	4/15/2005
1,3,5-Trimethylbenzene	0.75	0.75		ug/m3	1	4/15/2005
1,3-butadiene	ND	0.34		ug/m3	1	4/15/2005
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dioxane	ND	1.1		ug/m3	1	4/15/2005
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	4/15/2005
4-ethyltoluene	ND	0.75		ug/m3	1	4/15/2005
Acetone	16	0.72		ug/m3	1	4/15/2005
Allyl chloride	ND	0.48		ug/m3	1	4/15/2005
Benzene	1.0	0.49		ug/m3	1	4/15/2005
Benzyl chloride	ND	0.88		ug/m3	1	4/15/2005
Bromodichloromethane	ND	1.0		ug/m3	1	4/15/2005
Bromoform	ND	1.6		ug/m3	1	4/15/2005
Bromomethane	ND	0.59		ug/m3	1	4/15/2005
Carbon disulfide	ND	0.47		ug/m3	1	4/15/2005
Carbon tetrachloride	ND	0.96		ug/m3	1	4/15/2005
Chlorobenzene	ND	0.70		ug/m3	1	4/15/2005
Chloroethane	ND	0.40		ug/m3	1	4/15/2005
Chloroform	ND	0.74		ug/m3	1	4/15/2005
Chloromethane	ND	0.31		ug/m3	1	4/15/2005
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Cyclohexane	ND	0.52		ug/m3	1	4/15/2005
Dibromochloromethane	ND	1.3		ug/m3	1	4/15/2005
Ethyl acetate	ND	0.92		ug/m3	1	4/15/2005
Ethylbenzene	0.49	0.66	J	ug/m3	1	4/15/2005
Freon 11	1.5	0.86		ug/m3	1	4/15/2005
Freon 113	ND	1.2		ug/m3	1	4/15/2005
Freon 114	ND	1.1		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	AMBIENT-VANV
Lab Order:	C0504022	**Tag Number:**	224, 120
Project:		**Collection Date:**	4/11/2005
Lab ID:	C0504022-009A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
Freon 12	3.0	0.75		ug/m3	1	4/15/2005
Heptane	ND	0.62		ug/m3	1	4/15/2005
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	4/15/2005
Hexane	0.54	0.54		ug/m3	1	4/15/2005
Isopropyl alcohol	ND	0.37		ug/m3	1	4/15/2005
m-Xylene	1.0	0.66		ug/m3	1	4/15/2005
Methyl Butyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	4/15/2005
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl tert-butyl ether	ND	0.55		ug/m3	1	4/15/2005
Methylene chloride	ND	0.53		ug/m3	1	4/15/2005
o-Xylene	0.53	0.66	J	ug/m3	1	4/15/2005
p-Xylene	ND	0.66		ug/m3	1	4/15/2005
Propylene	ND	0.26		ug/m3	1	4/15/2005
Styrene	ND	0.65		ug/m3	1	4/15/2005
Tetrachloroethylene	ND	1.0		ug/m3	1	4/15/2005
Tetrahydrofuran	ND	0.45		ug/m3	1	4/15/2005
Toluene	2.8	0.57		ug/m3	1	4/15/2005
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Trichloroethene	ND	0.82		ug/m3	1	4/15/2005
Vinyl acetate	ND	0.54		ug/m3	1	4/15/2005
Vinyl Bromide	ND	0.67		ug/m3	1	4/15/2005
Vinyl chloride	ND	0.39		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	Trip Blank
Lab Order:	C0504022	**Tag Number:**	90
Project:		**Collection Date:**	
Lab ID:	C0504022-010A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	4/15/2005
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	4/15/2005
1,1-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,1-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	4/15/2005
1,2,4-Trimethylbenzene	ND	0.75		ug/m3	1	4/15/2005
1,2-Dibromoethane	ND	1.2		ug/m3	1	4/15/2005
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,2-Dichloroethane	ND	0.62		ug/m3	1	4/15/2005
1,2-Dichloropropane	ND	0.70		ug/m3	1	4/15/2005
1,3,5-Trimethylbenzene	ND	0.75		ug/m3	1	4/15/2005
1,3-butadiene	ND	0.34		ug/m3	1	4/15/2005
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	4/15/2005
1,4-Dioxane	ND	1.1		ug/m3	1	4/15/2005
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	4/15/2005
4-ethyltoluene	ND	0.75		ug/m3	1	4/15/2005
Acetone	ND	0.72		ug/m3	1	4/15/2005
Allyl chloride	ND	0.48		ug/m3	1	4/15/2005
Benzene	ND	0.49		ug/m3	1	4/15/2005
Benzyl chloride	ND	0.88		ug/m3	1	4/15/2005
Bromodichloromethane	ND	1.0		ug/m3	1	4/15/2005
Bromoform	ND	1.6		ug/m3	1	4/15/2005
Bromomethane	ND	0.59		ug/m3	1	4/15/2005
Carbon disulfide	ND	0.47		ug/m3	1	4/15/2005
Carbon tetrachloride	ND	0.96		ug/m3	1	4/15/2005
Chlorobenzene	ND	0.70		ug/m3	1	4/15/2005
Chloroethane	ND	0.40		ug/m3	1	4/15/2005
Chloroform	ND	0.74		ug/m3	1	4/15/2005
Chloromethane	ND	0.31		ug/m3	1	4/15/2005
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Cyclohexane	ND	0.52		ug/m3	1	4/15/2005
Dibromochloromethane	ND	1.3		ug/m3	1	4/15/2005
Ethyl acetate	ND	0.92		ug/m3	1	4/15/2005
Ethylbenzene	ND	0.66		ug/m3	1	4/15/2005
Freon 11	ND	0.86		ug/m3	1	4/15/2005
Freon 113	ND	1.2		ug/m3	1	4/15/2005
Freon 114	ND	1.1		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Apr-05*

CLIENT:	O'Brien and Gere	**Client Sample ID:**	Trip Blank
Lab Order:	C0504022	**Tag Number:**	90
Project:		**Collection Date:**	
Lab ID:	C0504022-010A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AIR TOXIC TO15_1UG/M3		**TO-15**				Analyst: **RJP**
Freon 12	ND	0.75		ug/m3	1	4/15/2005
Heptane	ND	0.62		ug/m3	1	4/15/2005
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	4/15/2005
Hexane	ND	0.54		ug/m3	1	4/15/2005
Isopropyl alcohol	ND	0.37		ug/m3	1	4/15/2005
m-Xylene	ND	0.66		ug/m3	1	4/15/2005
Methyl Butyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	4/15/2005
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	4/15/2005
Methyl tert-butyl ether	ND	0.55		ug/m3	1	4/15/2005
Methylene chloride	ND	0.53		ug/m3	1	4/15/2005
o-Xylene	ND	0.66		ug/m3	1	4/15/2005
p-Xylene	ND	0.66		ug/m3	1	4/15/2005
Propylene	ND	0.26		ug/m3	1	4/15/2005
Styrene	ND	0.65		ug/m3	1	4/15/2005
Tetrachloroethylene	ND	1.0		ug/m3	1	4/15/2005
Tetrahydrofuran	ND	0.45		ug/m3	1	4/15/2005
Toluene	ND	0.57		ug/m3	1	4/15/2005
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	4/15/2005
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	4/15/2005
Trichloroethene	ND	0.82		ug/m3	1	4/15/2005
Vinyl acetate	ND	0.54		ug/m3	1	4/15/2005
Vinyl Bromide	ND	0.67		ug/m3	1	4/15/2005
Vinyl chloride	ND	0.39		ug/m3	1	4/15/2005

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Appendix K

USEPA RAGS D Format Tables 1 and 2

TABLE 1-1
SELECTION OF EXPOSURE PATHWAYS
FORMER DAMBROSE DRY CLEANER SITE - SITE WIDE AREA
SCHENECTEDY, NEW YORK

Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	On-Site/ Off-Site	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Future	Subsurface Soil	Subsurface Soil	Excavations	Excavation Worker	Adult	Incidental Ingestion	On-Site and Off-Site	Screening - Comparison to SCGs	This exposure pathway scenario is ***complete***. Excavation workers could incidentally ingest soil as part of construction projects.
						Dermal Contact	On-Site and Off-Site	Screening - Comparison to SCGs	This exposure pathway scenario is ***complete***. Excavation workers could have dermal exposure to ground water as part of construction projects.
	Subsurface Soil Vapor	Ambient Air	Excavations	Excavation Worker	Adult	Inhalation	On-Site and Off-Site	Screening - Qualitative	This exposure pathway scenario is ***complete***. Excavation workers could inhale vapors originating from excavations as part of construction projects.
	Ground Water	Ground Water	Excavations	Excavation Worker	Adult	Incidental Ingestion	On-Site and Off-Site	Screening - Comparison to SCGs	This exposure pathway scenario is ***complete***. Excavation workers could incidentally ingest ground water as part of construction projects.
						Dermal Contact	On-Site and Off-Site	Screening - Comparison to SCGs	This exposure pathway scenario is ***complete***. Excavation workers could have dermal exposure to ground water as part of construction projects.
Current/Future	Ground Water	Ground Water	Drinking Water	Commercial Worker	Adult	Ingestion	Site Wide	Screening - Comparison to SCGs	This exposure pathway scenario is incomplete. The Site is served by a municipal water supply and there are no drinking wells currently in the vicinity of the Site.
				On-Site Resident	Adult	Ingestion	Site Wide	Screening - Comparison to SCGs	This exposure pathway scenario is incomplete. The Site is served by a municipal water supply and there are no drinking wells currently in the vicinity of the Site.
					Child	Ingestion	Site Wide	Screening - Comparison to SCGs	This exposure pathway scenario is incomplete. The Site is served by a municipal water supply and there are no drinking wells currently in the vicinity of the Site.
				Off-Site Resident	Adult	Ingestion	Site Wide	Screening - Comparison to SCGs	This exposure pathway scenario is incomplete. The Site is served by a municipal water supply and there are no drinking wells currently in the vicinity of the Site.
					Child	Ingestion	Site Wide	Screening - Comparison to SCGs	This exposure pathway scenario is incomplete. The Site is served by a municipal water supply and there are no drinking wells currently in the vicinity of the Site.
			On-Site Indoor Air	Commercial Worker	Adult	Air Inhalation	On-Site	Screening - Comparison to SCGs	This exposure pathway scenario is ***complete***. Workers could inhale volatile organic constituents in ground water that could migrate to indoor air.
				Resident	Adult	Air Inhalation	On-Site	Screening - Comparison to SCGs	This exposure pathway scenario is ***complete***. Residents could inhale volatile organic constituents in ground water that could migrate to indoor air.
					Child	Air Inhalation	On-Site	Screening - Comparison to SCGs	This exposure pathway scenario is ***complete***. Residents could inhale volatile organic constituents in ground water that could migrate to indoor air.
			Off-Site Indoor Air	Resident	Adult	Air Inhalation	Off-Site	Screening - Comparison to SCGs	This exposure pathway scenario is ***complete***. Residents could inhale volatile organic constituents in ground water that could migrate to indoor air.
					Child	Air Inhalation	Off-Site	Screening - Comparison to SCGs	This exposure pathway scenario is ***complete***. Residents could inhale volatile organic constituents in ground water that could migrate to indoor air.

TABLE 2-1

OCCURRENCE, DISTRIBUTION, AND SELECTION OF CONSTITUENTS OF POTENTIAL CONCERN

ON-SITE SOIL VAPOR

Former Dambrose Cleaners Site, Schenectady, NY

Scenario Timeframe:	Current / Future
Medium:	Soil Vapor
Exposure Medium:	Indoor air

Exposure Point	CAS Number	Chemical	Minimum Detected Concentration (Qualifier) (1)	Maximum Detected Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	OSWER Shallow Gas Soil (ug/m3) (4)	Screening Toxicity Value (ug/m3)	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
On-Site Soil Vapor	127-18-4	Tetrachloroethylene	380	1200000	ug/m3	BAS-SS	4/4	-	1.20E+06	N/A	8.1	8.10E+00	**Y**	ASL
	156-59-2	cis-1,2-Dichloroethene	170	7,400	ug/m3	BAS-SS	2/4	0.6-0.6	7.40E+03	N/A	350	3.50E+02	**Y**	ASL
	79-01-6	Trichloroethene	1.5	13000	ug/m3	BAS-SS	4/4	-	1.30E+04	N/A	0.22	2.20E-01	**Y**	ASL

Footnotes:

(1) J - estimated value; N - tentatively identified at an estimated value

(2) Concentration used for screening is either the maximum detected concentration or the maximum detection limit in the sample set for this compound, whichever value is greater.

(3) N/A - No background screening performed.

(4) USEPA OSWER (2002) Table 2C - Shallow Gas Concentration protective of Indoor Air at 1.0E-6 Cancer Risk

(5) Selection Rationale: ASL - Above Screening Level; NTX - No Toxicity Information. Deletion Rationale: BSL - Below Screening Level

TABLE 2-2

OCCURRENCE, DISTRIBUTION, AND SELECTION OF CONSTITUENTS OF POTENTIAL CONCERN

OFF-SITE SOIL VAPOR

Former Dambrose Cleaners Site, Schenectady, NY

Scenario Timeframe:	Current / Future
Medium:	Soil Vapor
Exposure Medium:	Indoor air

Exposure Point	CAS Number	Chemical	Minimum Detected Concentration (Qualifier) (1)	Maximum Detected Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	OSWER Shallow Gas Soil (ug/m3) (4)	Screening Toxicity Value (ug/m3)	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
Off-Site Soil Vapor	127-18-4	Tetrachloroethylene	0.97	13	ug/m3	SG-8-2 (8hr)	6/7	1-1	1.30E+01	N/A	8.1	8.10E+00	**Y**	ASL
	156-59-2	cis-1,2-Dichloroethene	1.8	2	ug/m3	SG-5, SG-6 (8hr)	1/7	0.6-0.6	1.80E+00	N/A	350	3.50E+02	**N**	BSL
	71-55-6	1,1,1-Trichloroethane	0.13	0.13	ug/m3	SG-9 (8hr)	1/7	0.83-0.83	1.30E-01	N/A	22000	2.20E+04	**N**	BSL
	79-01-6	Trichloroethene	0.87	1.9	ug/m3	SG-8-2 (8hr)	6/7	-	1.00E+00	N/A	0.22	2.20E-01	Y	BSL

Footnotes:

(1) J - estimated value; N - tentatively identified at an estimated value

(2) Concentration used for screening is either the maximum detected concentration or the maximum detection limit in the sample set for this compound, whichever value is greater.

(3) N/A - No background screening performed.

(4) USEPA OSWER (2002) Table 2C - Shallow Gas Concentration protective of Indoor Air at 1.0E-6 Cancer Risk

(5) Selection Rationale: ASL - Above Screening Level; NTX - No Toxicity Information. Deletion Rationale: BSL - Below Screening Level

TABLE 2-3

OCCURRENCE, DISTRIBUTION, AND SELECTION OF CONSTITUENTS OF POTENTIAL CONCERN

ALL GROUND WATER

Former Dambrose Cleaners Site, Schenectady, NY

Scenario Timeframe:	Current / Future
Medium:	Ground water
Exposure Medium:	Shallow ground water

Exposure Point	CAS Number	Chemical	Minimum Detected Concentration (Qualifier) (1)	Maximum Detected Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Region 9 Tap Water (ug/l)	Screening Toxicity Value (ug/l)	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
All Ground Water	127-18-4	Tetrachloroethene	5U	640	ug/L	MW-2	3/9	5-5	6.40E+02	N/A	0.1	1.00E-01	**Y**	ASL
	156-59-2	cis-1,2-Dichloroethene	5U	70	ug/L	MW-6	5/10	5-5	7.00E+01	N/A	61	6.10E+01	**Y**	ASL
	156-60-5	trans-1,2-Dichloroethene	0.7J	0.7J	ug/L	MW-4	1/9	5-25	7.00E-01	N/A	120	1.20E+02	N	BSL
	75-00-3	Chloroethane	0.7J	0.7J	ug/L	MW-7	1/9	5-25	7.00E-01	N/A	4.6	4.60E+00	N	BSL
	75-01-4	Vinyl chloride	0.7J	110	ug/L	MW-1	4/10	5-25	1.10E+02	N/A	0.02	2.00E-02	**Y**	ASL
	75-09-2	Methylene chloride	0.5J	9J	ug/L	MW-2	5/11	5-5	9.00E+00	N/A	4.3	4.30E+00	**Y**	ASL
	79-01-6	Trichloroethene	0.9J	54	ug/L	MW-2	4/10	5-5	5.40E+01	N/A	0.028	2.80E-02	**Y**	ASL

Footnotes:

(1) J - estimated value; N - tentatively identified at an estimated value

(2) Concentration used for screening is either the maximum detected concentration or the maximum detection limit in the sample set for this compound, whichever value is greater.

(3) N/A - No background screening performed.

(4) Selection Rationale: ASL - Above Screening Level; NTX - No Toxicity Information. Deletion Rationale: BSL - Below Screening Level

TABLE 2-4

OCCURRENCE, DISTRIBUTION, AND SELECTION OF CONSTITUENTS OF POTENTIAL CONCERN

OFF SITE GROUND WATER

Former Dambrose Cleaners Site, Schenectady, NY

Scenario Timeframe:	Current / Future
Medium:	Ground water
Exposure Medium:	Shallow ground water

Exposure Point	CAS Number	Chemical	Minimum Detected Concentration (Qualifier) (1)	Maximum Detected Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Region 9 Tap Water (ug/l)	Screening Toxicity Value (ug/l)	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Off-Site Ground Water	127-18-4	Tetrachloroethene	5U	10	ug/L	MW-4	2/6	5-5	1.00E+01	N/A	0.1	1.00E-01	**Y**	ASL
	156-59-2	cis-1,2-Dichloroethene	5U	70	ug/L	MW-6	3/6	5-5	7.00E+01	N/A	61	6.10E+01	**Y**	ASL
	156-60-5	trans-1,2-Dichloroethene	0.7J	0.7J	ug/L	MW-4	1/6	5-5	7.00E-01	N/A	120	1.20E+02	**N**	BSL
	75-00-3	Chloroethane	0.7J	0.7J	ug/L	MW-7	1/6	5-5	7.00E-01	N/A	4.6	4.60E+00	N	BSL
	75-01-4	Vinyl chloride	0.7J	9	ug/L	MW-4	3/6	5-5	9.00E+00	N/A	0.02	2.00E-02	Y	ASL
	75-09-2	Methylene chloride	0.5J	2J	ug/L	MW-7	4/6	5-5	2.00E+00	N/A	4.3	4.30E+00	N	BSL
	79-01-6	Trichloroethene	4J	6	ug/L	MW-6	2/6	5-5	6.00E+00	N/A	0.028	2.80E-02	Y	ASL

Footnotes:

(1) J - estimated value; N - tentatively identified at an estimated value

(2) Concentration used for screening is either the maximum detected concentration or the maximum detection limit in the sample set for this compound, whichever value is greater.

(3) N/A - No background screening performed.

(4) Selection Rationale: ASL - Above Screening Level; NTX - No Toxicity Information. Deletion Rationale: BSL - Below Screening Level

TABLE 2-5

OCCURRENCE, DISTRIBUTION, AND SELECTION OF CONSTITUENTS OF POTENTIAL CONCERN

ONSITE GROUND WATER

Former Dambrose Cleaners Site, Schenectady, NY

Scenario Timeframe:	Current / Future
Medium:	Ground water
Exposure Medium:	Shallow ground water

Exposure Point	CAS Number	Chemical	Minimum Detected Concentration (Qualifier) (1)	Maximum Detected Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Region 9 Tap Water (ug/l)	Screening Toxicity Value (ug/l)	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
On-Site Ground Water	127-18-4	Tetrachloroethene	640	640	ug/L	MW-2	1/3	5-5	6.40E+02	N/A	0.1	1.00E-01	**Y**	ASL
	156-59-2	cis-1,2-Dichloroethene	45	56	ug/L	MW-2	2/4	5-5	5.60E+01	N/A	61	6.10E+01	**N**	BSL
	75-01-4	Vinyl chloride	110	110	ug/L	MW-1	1/4	5-25	1.10E+02	N/A	0.02	2.00E-02	**Y**	ASL
	75-09-2	Methylene chloride	0.5J	9J	ug/L	MW-2	4/5	5-5	9.00E+00	N/A	4.3	4.30E+00	Y	ASL
	79-01-6	Trichloroethene	0.9J	54	ug/L	MW-2	2/4	5-5	5.40E+01	N/A	0.028	2.80E-02	Y	ASL

Footnotes:

(1) J - estimated value; N - tentatively identified at an estimated value

(2) Concentration used for screening is either the maximum detected concentration or the maximum detection limit in the sample set for this compound, whichever value is greater.

(3) N/A - No background screening performed.

(4) Selection Rationale: ASL - Above Screening Level; NTX - No Toxicity Information. Deletion Rationale: BSL - Below Screening Level

TABLE 2-6

OCCURRENCE, DISTRIBUTION, AND SELECTION OF CONSTITUENTS OF POTENTIAL CONCERN

SUB SLAB SOIL

Former Dambrose Cleaners Site, Schenectady, NY

Scenario Timeframe:	Current / Future
Medium:	Soil
Exposure Medium:	Subsurface Soil, 0-10 ft

Exposure Point	CAS Number	Chemical	Minimum Detected Concentration (Qualifier) (1)	Maximum Detected Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Region 9 Industrial Soil (ug/kg)	Screening Toxicity Value (ug/kg)	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Sub-Slab Soil	127-18-4	Tetrachloroethene	220	11000D	ug/Kg	SS-3	4/6	-	1.10E+02	N/A	1.3	1.30E+00	**Y**	ASL
	156-59-2	cis-1,2-Dichloroethene	8J	80	ug/Kg	SS-3	4/6	12-1200	8.00E+01	N/A	150	1.50E+02	**N**	BSL
	156-60-5	trans-1,2-Dichloroethene	0.7J	0.7J	ug/Kg	SS-3	1/6	11-1200	7.00E-01	N/A	230	2.30E+02	**N**	BSL
	67-64-1	Acetone	3J	11J	ug/Kg	SS-2	4/6	89-1200	1.00E+00	N/A	54000	5.40E+04	N	BSL
	75-09-2	Methylene chloride	0.6J	1200J	ug/Kg	SS-3	4/6	11-12	1.20E+02	N/A	21	2.10E+01	Y	ASL
	79-01-6	Trichloroethene	1J	130	ug/Kg	SS-3	5/5	-	1.00E+00	N/A	0.11	1.10E-01	Y	ASL

Footnotes:

(1) J - estimated value; N - tentatively identified at an estimated value

(2) Concentration used for screening is either the maximum detected concentration or the maximum detection limit in the sample set for this compound, whichever value is greater.

(3) N/A - No background screening performed.

(4) Selection Rationale: ASL - Above Screening Level; NTX - No Toxicity Information. Deletion Rationale: BSL - Below Screening Level

TABLE 2-7

OCCURRENCE, DISTRIBUTION, AND SELECTION OF CONSTITUENTS OF POTENTIAL CONCERN

ON-SITE INDOOR AIR

Former Dambrose Cleaners Site, Schenectady, NY

Scenario Timeframe:	Current / Future
Medium:	Air
Exposure Medium:	Indoor air

Exposure Point	CAS Number	Chemical	Minimum Detected Concentration (Qualifier) (1)	Maximum Detected Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	NYSDOH Indoor Air (ug/m3) (4)	Screening Toxicity Value (ug/m3)	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
On-Site Indoor Air	127-18-4	Tetrachloroethylene	64	360	ug/m3	DC-IA	4/4	-	3.60E+02	N/A	0.25	2.50E-01	**Y**	ASL
	156-59-2	cis-1,2-Dichloroethene	0.64	1	ug/m3	APT-F-IA	2/4	0.6-0.6	7.30E-01	N/A	0.25	2.50E-01	**Y**	ASL
	79-01-6	Trichloroethene	0.93	0.93	ug/m3	APT-F-IA	1/4	0.82-0.82	9.30E-01	N/A	0.25	2.50E-01	**Y**	ASL

Footnotes:

(1) J - estimated value; N - tentatively identified at an estimated value

(2) Concentration used for screening is either the maximum detected concentration or the maximum detection limit in the sample set for this compound, whichever value is greater.

(3) N/A - No background screening performed.

(4) NYSDOH (2003) Study of Volatile Organic Chemicals in Fuel Oil heated Homes - Upper Quartile Value

Exhibits

Exhibit 1

NETC Boring Logs

NORTHEASTERN ENVIRONMENTAL TECHNOLOGIES

TEST BORING LOG

Boring No. MW-1

PROJECT:	DAMBROSE CLEANERS -SUBSURFACE INVESTIGATION					**SHEET NO.**	1 of 1
CLIENT:	GEORGE HERBERT					**JOB NO.**	99.600059
DRILLING CONTRACTOR:	NETC					**M.P. ELEV.**	94.72'
PURPOSE:	SOIL & GROUND WATER INVESTIGATION					**GR. ELEV.**	94.99'
DRILLING METHOD:	HSA		**SAMPLE**	**CORE**	**CASING**	**DATUM**	GROUND
DRILL RIG:	MOBILE DRILL B53	**TYPE**	SS	---	AUGERS	**DATE START**	07/13/99
GROUND WATER LEVEL:	11.92	**DIAM.**	2 inch	---	4 1/4 IN	**DATE FINISH**	07/13/99
MEASURING PT.:	PVC	**WT.**	140 LBS	---	---	**DRILLER**	J. VOMACKA
DATE:	07/15/99	**FALL**	30 INS	---	---	**INSPECTOR**	K.BAYSE

Depth (feet)	Sample ID	Blows on Sample Spoon per 6 in	Unified Soil Class. System	Peak PID (PPM)	GEOLOGIC DESCRIPTION	REMARKS
1.0				BKG=0-1.5		
2.0						
3.0						
4.0						
5.0	S-1	2-2-3-6		0.2	Br-gr $ilt &Clay, little fm Sand,trace	R=1.5'/MOIST
6.0					fine gravel	
7.0						
8.0						
9.0						
10.0	S-2	6-3-5-5		0.2	Greenish-grey $ilt & Clay, some f Sand,	R=.7'/MOIST-
11.0					little (+) fm Gravel	WET
12.0	S-3	1-1-3-4		0.2	Grey $ilty Clay, little f Sand, little Gravel;	R=1.2'
13.0					f Sand partings	WET
14.0						
15.0	S-4	5-5-3-3		0.2	same; iron oxide staining, few wet	R=.5'
16.0					pockets	DRY-MOIST

Soil Boring Completed at 16.0 feet

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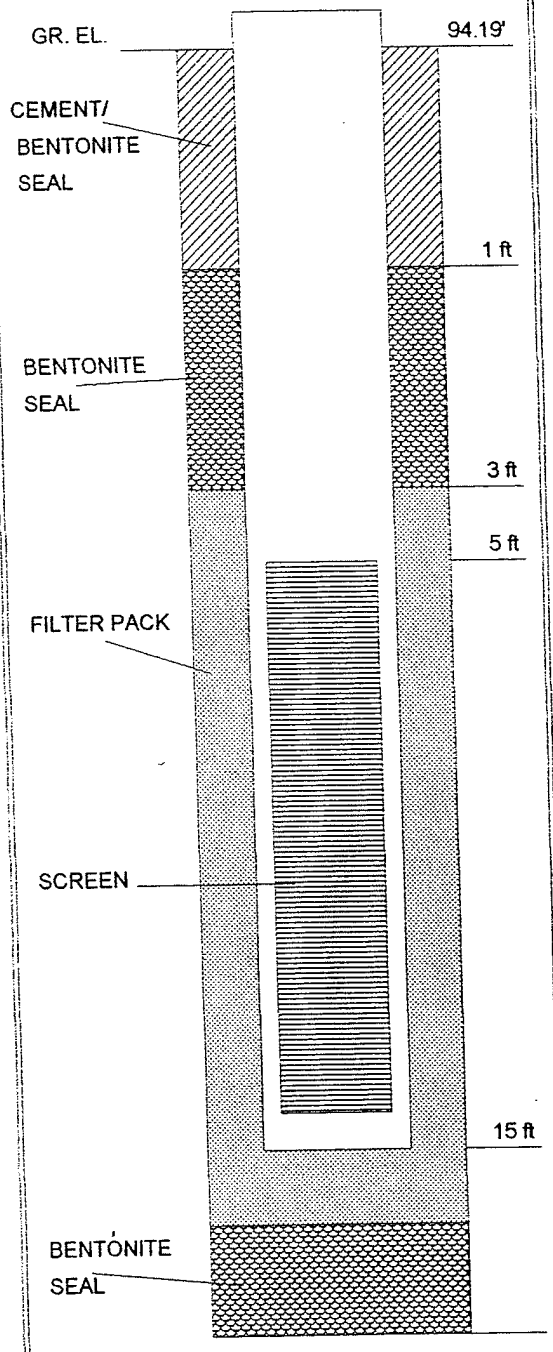
NORTHEASTERN ENVIRONMENTAL TECHNOLOGIES

MONITORING WELL COMPLETION LOG

WELL NO. MW-2

PROJECT: DAMBROSE CLEANERS (PHASE II SUBSURFACE) **DATE DRILLED:** 7/13/99
CLIENT: GEORGE HERBERT **DATE DEVELOPED:** 7/13/99
PROJECT NO. 099.600059

WELL CONSTRUCTION DETAIL



NOT TO SCALE

INSPECTOR: K. BAYSE
DRILLING CONTRACTOR: NETC

TYPE OF WELL: MONITORING
STATIC WATER LEVEL: 8 ft **DATE:** 07/13/99
MEASURING POINT: GROUND
TOTAL DEPTH OF WELL: 15 ft
TOTAL DEPTH OF BORING: 15 ft

DRILLING METHOD:
TYPE: ROTARY **DIAMETER:** 4 1/4 IN
CASING: HSA

SAMPLING METHOD:
TYPE: SPLIT SPOON **DIAMETER:** 2 in
WEIGHT: 140 lbs **FALL:** 30 in
INTERVAL: EVERY 5 ft

RISER PIPE LEFT IN PLACE:
MATERIAL PVC **DIAMETER:** 2 in
LENGTH: 5 ft **JOINT TYPE:** FLUSH

SCREEN:
MATERIAL PVC **DIAMETER:** 2 in
SLOT SIZE: 0.010 in **INTERVAL:** 5-15 ft
STRATEGIC UNIT SCREENED: SAND

FILTER PACK:
TYPE: SAND
GRADE: 1 MORIE
AMOUNT: 400 LBS **INTERVAL:** 3-15 ft

SEAL (S):
TYPE: CEMENT **INTERVAL:** 0-1 ft
TYPE: BENTONITE **INTERVAL:** 1-3 ft
TYPE: **INTERVAL:**

NOTES:

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NORTHEASTERN ENVIRONMENTAL TECHNOLOGIES

TEST BORING LOG

Boring No. MW-3

PROJECT:	DAMBROSE CLEANERS -SUBSURFACE INVESTIGATION					**SHEET NO.**	1 of 1
CLIENT:	GEORGE HERBERT					**JOB NO.**	99.600059
DRILLING CONTRACTOR:	NETC					**M.P. ELEV.**	97.29'
PURPOSE:	SOIL & GROUND WATER INVESTIGATION					**GR. ELEV.**	97.62'
DRILLING METHOD:	HSA		**SAMPLE**	**CORE**	**CASING**	**DATUM**	GROUND
DRILL RIG:	MOBILE DRILL B53	**TYPE**	SS	---	AUGERS	**DATE START**	07/15/99
GROUND WATER LEVEL:	8	**DIAM.**	2 inch	---	4 1/4 IN	**DATE FINISH**	07/15/99
MEASURING PT.:	PVC	**WT.**	140 LBS	---	---	**DRILLER**	J. VOMACKA
DATE:	07/15/99	**FALL**	30 INS	---	---	**INSPECTOR**	K.BAYSE

Depth (feet)	Sample ID	Blows on Sample Spoon per 6 in	Unified Soil Class. System	Peak PID (PPM)	GEOLOGIC DESCRIPTION	REMARKS
1.0				BKG=0		
2.0	S-1	4,3,3,7		0.2		R=0.8 ft.
3.0					Br cmf SAND, s(+)f-m Gravel, little C&$	dry-moist
4.0						
5.0						
6.0	S-2	2,7,14,21		0	Br-Gy(pockets and lenses) $&C, some	R=1.8
7.0					rock frags & Gravel, little(-) Sand	dry-some
8.0						wet pockets
9.0	S-3	35		0	Same; rck frgmts. increasing	R=0.4 ft
10.0						moist
11.0	S-4	2,3,2,3		0	Br c-f Sand, a $&C, s fG, l Cy$	R=1.2 ft
12.0					Brown coarse to fine SAND, and Silt and	wet
13.0					Clay, some fine Gravel, little Clayey Silt	
14.0						
15.0						
16.0	S-4	50/0.2		0	Wthrd Shale	R=0.2 ft
					EOB, TD=15 ft.	wet

Soil Boring Completed at 15.0 feet

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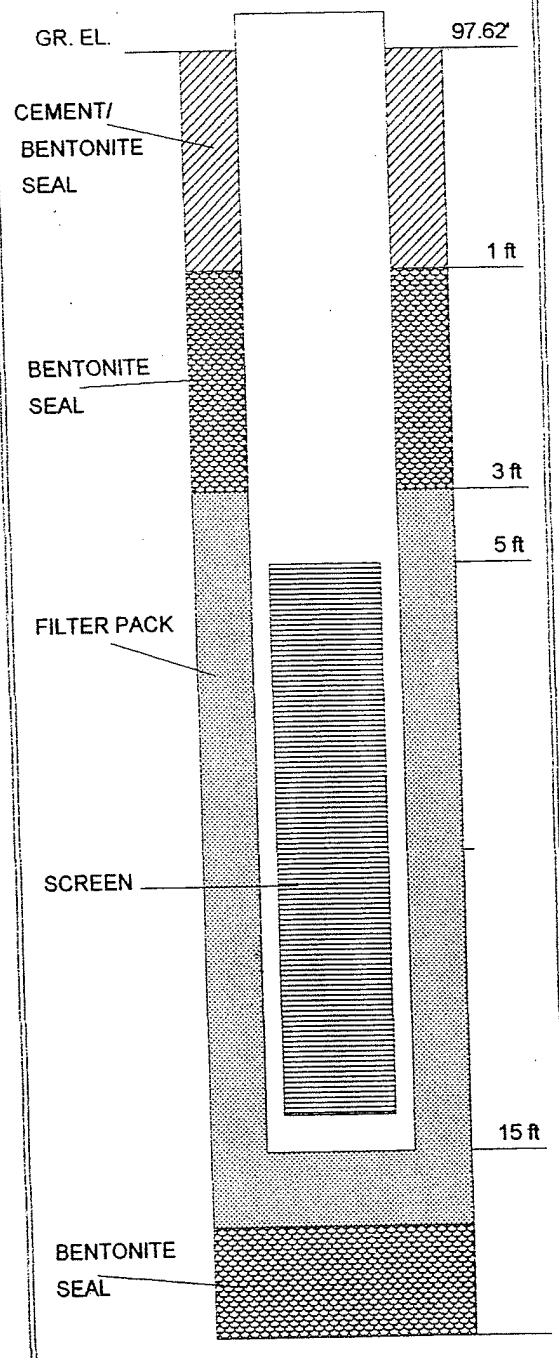
NORTHEASTERN ENVIRONMENTAL TECHNOLOGIES

MONITORING WELL COMPLETION LOG

WELL NO. MW-3

PROJECT: DAMBROSE CLEANERS (PHASE II SUBSURFACE) **DATE DRILLED:** 7/15/99
CLIENT: GEORGE HERBERT **DATE DEVELOPED:** 7/15/99
PROJECT NO. 099.600059

WELL CONSTRUCTION DETAIL



NOT TO SCALE

INSPECTOR: K. BAYSE
DRILLING CONTRACTOR: NETC

TYPE OF WELL: MONITORING
STATIC WATER LEVEL: 8 ft **DATE:** 07/15/99
MEASURING POINT: GROUND
TOTAL DEPTH OF WELL: 15 ft
TOTAL DEPTH OF BORING: 15 ft

DRILLING METHOD:
TYPE: ROTARY **DIAMETER:** 4 1/4 IN
CASING: HSA

SAMPLING METHOD:
TYPE: SPLIT SPOON **DIAMETER:** 2 in
WEIGHT: 140 lbs **FALL:** 30 in
INTERVAL: EVERY 5 ft

RISER PIPE LEFT IN PLACE:
MATERIAL PVC **DIAMETER:** 2 in
LENGTH: 5 ft **JOINT TYPE:** FLUSH

SCREEN:
MATERIAL PVC **DIAMETER:** 2 in
SLOT SIZE: 0.010 in **INTERVAL:** 5-15 ft
STRATEGIC UNIT SCREENED: SAND

FILTER PACK:
TYPE: SAND
GRADE: 1 MORIE
AMOUNT: 300 LBS **INTERVAL:** 3-15 ft

SEAL (S):
TYPE: CEMENT **INTERVAL:** 0-1 ft
TYPE: BENTONITE **INTERVAL:** 1-3 ft
TYPE: **INTERVAL:**

NOTES:

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NORTHEASTERN ENVIRONMENTAL TECHNOLOGIES

TEST BORING LOG

Boring No. MW-4

PROJECT:	DAMBROSE CLEANERS -SUBSURFACE INVESTIGATION				**SHEET NO.**	1 of 1
CLIENT:	GEORGE HERBERT				**JOB NO.**	99.600059
DRILLING CONTRACTOR:	NETC				**M.P. ELEV.**	87.85'
PURPOSE:	SOIL & GROUND WATER INVESTIGATION				**GR. ELEV.**	88.41'
DRILLING METHOD:	HSA	**SAMPLE**	**CORE**	**CASING**	**DATUM**	GROUND
DRILL RIG:	MOBILE DRILL B54	**TYPE**	SS	----	AUGERS	**DATE START**	07/16/99
GROUND WATER LEVEL:	3.0	**DIAM.**	2 inch	—	2 1/4 IN	**DATE FINISH**	07/16/99
MEASURING PT.:	PVC	**WT.**	140 LBS	----	----	**DRILLER**	J. VOMACKA
DATE:	07/16/99	**FALL**	30 INS	----	----	**INSPECTOR**	S LAMBERT

Depth (feet)	Sample ID	Blows on Sample Spoon per 6 in	Unified Soil Class. System	Peak PID (PPM)	GEOLOGIC DESCRIPTION	REMARKS
1.0				BKG=0.0		Auger to 3'
2.0					Drill cuttings: Gy-Bk mfS, a Cy$; organic	continuous
3.0						sampling
4.0	S-1	1/2,1,1		0.2	Same; wet	No Rec.
5.0						wet
6.0	S-2	1/2,1,1		0.1	Gy-Gn mf(+)S, a Cy$, frq. sms C&$, wet	Rec=1.2
7.0						No odor
8.0	S-3	1,3,3,6			Gy-Br C&$, mtld.	Rec=0.8
9.0				0.0	Rd-Br last 0.3 ft, more dense	No odor
10.0						
11.0	S-4	1,2,2,4		0.0	Gy C&$, alt. lyrs.w/ $&C; wet	Rec=1.9
12.0						No odor
13.0					Drilling difficult @ 13-14'	
14.0	S-5	7,34,14,30		0.0	Gy C&$(first 0.3 ft.)	Rec=0.8
15.0	S-6				Gy-Bk mfG a, cmS, l Cy$; loose, wet,	wet
16.0		7,30,30,10		0.0	gravelly till; sampled to 16 ft	auger refusal
					EOB at 14 ft, sample 16 ft.	at 14 ft

Soil Boring Completed at 16.0 feet

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Exhibit 2

NYSDOH Air Sampling

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PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 9903396 SAMPLE RECEIVED:99/11/05/ CHARGE: 4.00
PROGRAM: 106:BUREAU OF ENVIRONMENTAL EXPOSURE INVESTIGATION
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: 1519 VAN RANKEN AV., SCHENECTADY, NY - DAMBROSE CLEANERS
DESCRIPTION:KENNEDY RESIDENCE, HALLWAY PSD #SY3258
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 99/11/04 10:06 TO 99/11/04 14:28 DATE PRINTED:99/11/10

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/11/10 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	262. MINUTES
TETRACHLOROETHENE	400. MCG/CU.M.

**** END OF REPORT ****

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PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 9903395 SAMPLE RECEIVED:99/11/05/ CHARGE: 4.00
PROGRAM: 106:BUREAU OF ENVIRONMENTAL EXPOSURE INVESTIGATION
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: 1519 VAN RANKEN AV., SCHENECTADY, NY - DAMBROSE CLEANERS
DESCRIPTION:KENNEDY RESIDENCE, HALLWAY PSD# SY3207
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 99/11/04 10:06 TO 99/11/04 14:28 DATE PRINTED:99/11/10

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/11/10 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	262. MINUTES
TETRACHLOROETHENE	420. MCG/CU.M.

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SAMPLE ID: 9903399 SAMPLE RECEIVED:99/11/05/ CHARGE: 4.00
PROGRAM: 106:BUREAU OF ENVIRONMENTAL EXPOSURE INVESTIGATION
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: 1519 VAN RANKEN AV., SCHENECTADY, NY - DAMBROSE CLEANERS
DESCRIPTION:KENNEDY RESIDENCE, LIVING ROOM PSD#SY3285
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 99/11/04 09:54 TO 99/11/04 14:22 DATE PRINTED:99/11/10

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/11/10 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	268. MINUTES
TETRACHLOROETHENE	220. MCG/CU.M.

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PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 9903400 SAMPLE RECEIVED:99/11/05/ CHARGE: 4.00
PROGRAM: 106:BUREAU OF ENVIRONMENTAL EXPOSURE INVESTIGATION
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: 1519 VAN RANKEN AV., SCHENECTADY, NY - DAMBROSE CLEANERS
DESCRIPTION:KENNEDY RESIDENCE, LIVING ROOM, PSD#SY3190
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 99/11/04 09:54 TO 99/11/04 14:22 DATE PRINTED:99/11/10

ANALYSIS: BADGE-I ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/11/10 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	268. MINUTES
TETRACHLOROETHENE	220. MCG/CU.M.

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SAMPLE ID: 9903398 SAMPLE RECEIVED:99/11/05/ CHARGE: 4.00
PROGRAM: 106:BUREAU OF ENVIRONMENTAL EXPOSURE INVESTIGATION
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: 1519 VAN RANKEN AV., SCHENECTADY, NY - DAMBROSE CLEANERS
DESCRIPTION:KENNEDY RESIDENCE, REAR BEDROOM (CHILD'S) PSD#SY3269
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 99/11/04 10:00 TO 99/11/04 14:25 DATE PRINTED:99/11/10

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/11/10 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	265. MINUTES
TETRACHLOROETHENE	500. MCG/CU.M.

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SAMPLE ID: 9903397 SAMPLE RECEIVED:99/11/05/ CHARGE: 4.00
PROGRAM: 106:BUREAU OF ENVIRONMENTAL EXPOSURE INVESTIGATION
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: . LONGITUDE: . Z DIRECTION:
LOCATION: 1519 VAN RANKEN AV., SCHENECTADY, NY - DAMBROSE CLEANERS
DESCRIPTION:KENNEDY RESIDENCE, REAR BEDROOM (CHILD'S) PSD#SY3252
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 99/11/04 10:00 TO 99/11/04 14:25 DATE PRINTED:99/11/10

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/11/10 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	265. MINUTES
TETRACHLOROETHENE	540. MCG/CU.M.

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PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 9903394 SAMPLE RECEIVED:99/11/05/ CHARGE: 4.00
PROGRAM: 106:BUREAU OF ENVIRONMENTAL EXPOSURE INVESTIGATION
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: . LONGITUDE: . Z DIRECTION:
LOCATION: 1519 VAN RANKEN AV., SCHENECTADY, NY - DAMBROSE CLEANERS
DESCRIPTION:KENNEDY RESIDENCE, BACKYARD PSD SY3131
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 909:AMBIENT AIR - OUTDOOR
TIME OF SAMPLING: 99/11/04 10:15 TO 99/11/04 14:33 DATE PRINTED:99/11/10

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/11/10 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	258. MINUTES
TETRACHLOROETHENE	16. MCG/CU.M.

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PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 9900730 SAMPLE RECEIVED:99/03/19/00 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: DAMBROSE CLEANERS - SITE #447823N - SCHENECTADY
DESCRIPTION:KENNEDY RES, 1519 VAN RANKEN SCH - LVG RM - #JL1727
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 99/03/18 10:26 TO 99/03/18 14:26 DATE PRINTED:99/03/26

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/03/26 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	240 MINUTES
TETRACHLOROETHENE	470. MCG/CU.M.

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PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 9900731 SAMPLE RECEIVED:99/03/19/00 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: DAMBROSE CLEANERS - SITE #447823N - SCHENECTADY
DESCRIPTION:KENNEDY RES, 1519 VANRANKEN - SCH - LVG RM - #JL2698
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 99/03/18 10:26 TO 99/03/18 14:26 DATE PRINTED:99/03/26

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/03/26 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	240 MINUTES
TETRACHLOROETHENE	420. MCG/CU.M.

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SAMPLE ID: 9900732 SAMPLE RECEIVED:99/03/19/00 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: DAMBROSE CLEANERS - SITE #447823N. - SCHENECTADY
DESCRIPTION:KENNEDY RES, 1519 VANRANKEN - SCH.-REAR BEDRM - #JL2659
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 99/03/18 10:33 TO 99/03/18 14:33 DATE PRINTED:99/03/26

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/03/26 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	240 MINUTES
TETRACHLOROETHENE	470. MCG/CU.M.

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SAMPLE ID: 9900733 SAMPLE RECEIVED:99/03/19/00 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: DAMBROSE CLEANERS - SITE #447823N - SCHENECTADY
DESCRIPTION:KENNEDY RES, 1519 VANRANKEN - SCH - REAR BEDRM - #JL1923
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 99/03/18 10:33 TO 99/03/18 14:33 DATE PRINTED:99/03/26

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/03/26 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	240 MINUTES
TETRACHLOROETHENE	550. MCG/CU.M.

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SAMPLE ID: 9900734 SAMPLE RECEIVED:99/03/19/00 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: DAMBROSE CLEANERS - SITE #447823N - SCHENECTADY
DESCRIPTION:KENNEDY RES, 1519 VAN RANKEN - SCH - HALLWAY - #JL2287
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 99/03/18 10:39 TO 99/03/18 14:39 DATE PRINTED:99/03/26

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/03/26 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	240 MINUTES
TETRACHLOROETHENE	340. MCG/CU.M.

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SAMPLE ID: 9900735 SAMPLE RECEIVED:99/03/19/00 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: DAMBROSE CLEANERS - SITE #447823N - SCHENECTADY
DESCRIPTION:KENNEDY RES, 1519 VANRANKEN - SCH - HALLWAY - #JL2578
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 99/03/18 10:39 TO 99/03/18 14:39 DATE PRINTED:99/03/26

ANALYSIS: BADGE 1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/03/26 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	240 MINUTES
TETRACHLOROETHENE	350. MCG/CU.M.

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SAMPLE ID: 9900737 SAMPLE RECEIVED:99/03/19/00 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: DAMBROSE CLEANERS - SITE #447823N - SCHENECTADY
DESCRIPTION:KENNEDY RES, 1519 VANRANKEN - SCH - BACKYARD - #JL2560
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-I:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 909:AMBIENT AIR - OUTDOOR
TIME OF SAMPLING: 99/03/18 10:50 TO 99/03/18 14:50 DATE PRINTED:99/03/26

ANALYSIS: BADGE-I ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 99/03/26 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	240 MINUTES
TETRACHLOROETHENE	540. MCG/CU.M.

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SAMPLE ID: 200104089 SAMPLE RECEIVED:12/19/2001 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: UNION CLEANERS (FORMERLY DAMBROSE CLEANERS) SITE #447030
DESCRIPTION:KENNEDY RES., 1519 VAN RANKEN AV., OUTDOOR BACKYARD R09290
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 909:AMBIENT AIR - OUTDOOR
TIME OF SAMPLING: 12/17/2001 10:53 TO 12/17/2001 16:30 DATE PRINTED:01/22/2002

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 01/22/2002 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	337. MINUTES
TETRACHLOROETHENE	< 5. MCG/CU.M.

**** END OF REPORT ****

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SAMPLE ID: 200104090 SAMPLE RECEIVED:12/19/2001 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: UNION CLEANERS (FORMERLY DAMBROSE CLEANERS) SITE #447030
DESCRIPTION:KENNEDY RES., 1519 VAN RANKEN AV., SCH'DY
DESCRIPTION:OUTDOOR, BACKYARD, RO8633
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 909:AMBIENT AIR - OUTDOOR
TIME OF SAMPLING: 12/17/2001 10:53 TO 12/17/2001 16:30 DATE PRINTED:01/22/2002

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 01/22/2002 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	337. MINUTES
TETRACHLOROETHENE	< 5. MCG/CU.M.

**** END OF REPORT ****

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SAMPLE ID: 200104091 SAMPLE RECEIVED:12/19/2001 CHARGE: 4 00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C, COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: UNION CLEANERS (FORMERLY DAMBROSE CLEANERS) SITE #447030
DESCRIPTION:KENNEDY RES., 1519 VAN RANKEN AV., SCH'DY
DESCRIPTION:HALLWAY, R09701, DUPLICATE
REPORTING LAB: TOX-LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 12/17/2001 10:45 TO 12/17/2001 14:24 DATE PRINTED:01/22/2002

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 01/22/2002 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	219. MINUTES
TETRACHLOROETHENE	100. MCG/CU.M.

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SAMPLE ID: 20010492 SAMPLE RECEIVED 12/19/2001 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: UNION CLEANERS (FORMERLY DAMBROSE CLEANERS) SITE #447030
DESCRIPTION:KENNEDY RES., 1519 VAN RANKEN AV., SCH'DY
DESCRIPTION:HALLWAY, R08517
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 12/17/2001 10:45 TO 12/17/2001 14:24 DATE PRINTED:01/22/2002

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 01/22/2002 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	219. MINUTES
TETRACHLOROETHENE	100. MCG/CU.M.

**** END OF REPORT ****

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SAMPLE ID: 200104093 SAMPLE RECEIVED:12/19/2001 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: UNION CLEANERS (FORMERLY DAMBROSE CLEANERS) SITE #447030
DESCRIPTION:KENNEDY RES., 1519 VAN RANKEN AV., SCH'DY
DESCRIPTION:RO8676, DUPLICATE - REAR BEDROOM
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 12/17/2001 10:36 TO 12/17/2001 14:21 DATE PRINTED:01/22/2002

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 01/22/2002 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	225. MINUTES
TETRACHLOROETHENE	380. MCG/CU.M.

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SAMPLE ID: 200104094 SAMPLE RECEIVED:12/19/2001 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C, COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: UNION CLEANERS (FORMERLY DAMBROSE CLEANERS) SITE #447030
DESCRIPTION:KENNEDY RES., 1519 VAN RANKEN AV., SCH'DY
DESCRIPTION:REAR BEDROOM, RO8617
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 12/17/2001 10:36 TO 12/17/2001 14:21 DATE PRINTED:01/22/2002

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 01/22/2002 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	225. MINUTES
TETRACHLOROETHENE	360. MCG/CU.M.

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SAMPLE ID: 200104095 SAMPLE RECEIVED:12/19/2001 CHARGE: 4.00
PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: UNION CLEANERS (FORMERLY DAMBROSE CLEANERS) SITE #447030
DESCRIPTION:KENNEDY RES., 1519 VAN RANKEN AV., SCH'DY
DESCRIPTION:R08559, DUPLICATE
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 12/17/2001 10:30 TO 12/17/2001 16:18 DATE PRINTED:01/22/2002

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 01/22/2002 FINAL REPORT

PARAMETER	RESULT	
ELAPSED TIME	348.	MINUTES
TETRACHLOROETHENE	70.	MCG/CU.M.

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PROGRAM: 110:STATE SUPERFUND ANALYTICAL SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:4601
POLITICAL SUBDIVISION:SCHENECTADY C. COUNTY:SCHENECTADY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: UNION CLEANERS (FORMERLY DAMBROSE CLEANERS) SITE #447030
DESCRIPTION:KENNEDY RES., 1519 VAN RANKEN AV., SCH'DY
DESCRIPTION:LIVING ROOM, R08806
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: BADGE-1:ORGANIC VAPOR MONITORING BADGE
SAMPLE TYPE: 902:AMBIENT AIR - INDOOR
TIME OF SAMPLING: 12/17/2001 10:30 TO 12/17/2001 16:18 DATE PRINTED:01/22/2002

ANALYSIS: BADGE-1 ORGANIC VAPOR MONITORING BADGE
DATE PRINTED: 01/22/2002 FINAL REPORT

PARAMETER	RESULT
ELAPSED TIME	348. MINUTES
TETRACHLOROETHENE	70. MCG/CU.M.

**** END OF REPORT ****

NYS ELAP ID 10763, LAB DIR DR K. ALDOUS, CONTACT MR R. PAUSE 518-473-0323
<> THESE TEST RESULTS MEET THE REQUIREMENTS OF NELAC. <>
<> EXCEPT WHERE NELAC ACCREDITATION IS NOT AVAILABLE. <>
COPIES SENT TO: CO(1). RO( ). LPHE( ). FED( ). INFO-P( ). INFO-L( )

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TROY ****INTERAGENCY MAIL****

Exhibit 3

Soil Vapor/Indoor Air Matrix for PCE

Soil Vapor / Indoor Air Matrix 2

WORKING DRAFT 02.23.05 SUBJECT TO CHANGE

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 3	3 to < 30	30 to < 100	100 and above
< 100	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures — and — Monitor	4. MITIGATE — or — Take reasonable and practical actions to identify source(s) and reduce exposures — and — Monitor
100 to < 1,000	5. Monitor	6. Monitor	7. MITIGATE	8. MITIGATE
1,000 and above	9. MITIGATE	10. MITIGATE	11. MITIGATE	12. MITIGATE

No further action: Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

Take steps to identify source(s) and reduce exposures: The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed).

Monitor: Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is an interim measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

See additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX 2

This matrix provides guidance on actions that should be taken to address current and potential exposures related to soil vapor intrusion. To use the matrix accurately as a tool in the decision-making process, the following must be noted:

[1] The matrix is generic. As such, it may be necessary to modify recommended actions to accommodate building-specific conditions (e.g., dirt floor in basement, crawl spaces, etc.) and/or site-specific conditions (e.g., proximity of building to identified subsurface contamination) for the protection of public health. Additionally, actions more conservative than those specified within the matrix may be implemented at any time. More conservative actions are often cost-based (e.g., the cost of additional sampling versus the cost of mitigation) rather than health-based.

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude the need to investigate possible sources of vapor contamination, nor does it preclude the need to remediate contaminated soil vapors or the source of soil vapor contamination.

[3] Extreme care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples must be analyzed by methods that can achieve a minimum reporting limit of 3 micrograms per cubic meter.

[4] Sub-slab vapor and indoor air samples (basement and lowest occupied living space) are typically collected during the heating season since soil vapor intrusion is more likely to occur when a building's heating system is in operation and air is being drawn into the building. If samples are collected during other times of the year, it may be necessary to resample during the heating season to evaluate exposures accurately.

[5] When current exposures are attributed to sources other than vapor intrusion, the agencies must be provided documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

Exhibit 4

Soil Vapor/Indoor Air Matrix for TCE

Soil Vapor / Indoor Air Matrix 1

WORKING DRAFT 02.23.05 SUBJECT TO CHANGE

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 0.25	0.25 to < 2.5	2.5 to < 5.0	5.0 and above
< 5	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures — and — Monitor	4. MITIGATE — or — Take reasonable and practical actions to identify source(s) and reduce exposures — and — Monitor
5 to < 50	5. No further action	6. Monitor	7. Monitor	8. MITIGATE
50 to < 250	9. Monitor	10. Monitor	11. MITIGATE	12. MITIGATE
250 and above	13. MITIGATE	14. MITIGATE	15. MITIGATE	16. MITIGATE

No further action: Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

Take steps to identify source(s) and reduce exposures: The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed).

Monitor as appropriate: Monitoring is needed to confirm concentrations in the indoor air have not increased due to changes in pressure gradients (e.g., deterioration of building foundation) or to evaluate temporal trends for relevant environmental data. Monitoring may also be needed to verify that existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are minimizing potential effects associated with soil vapor intrusion. The type and frequency of monitoring is determined on a site-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

See additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX 1

This matrix provides guidance on actions that should be taken to address current and potential exposures related to soil vapor intrusion. To use the matrix accurately as a tool in the decision-making process, the following must be noted:

[1] The matrix is generic. As such, it may be necessary to modify recommended actions to accommodate building-specific conditions (e.g., dirt floor in basement, crawl spaces, etc.) and/or site-specific conditions (e.g., proximity of building to identified subsurface contamination) for the protection of public health. Additionally, actions more conservative than those specified within the matrix may be implemented at any time. For example, the decision to implement more conservative actions may be based on a comparison of the costs associated with resampling or monitoring to the costs associated with installation and monitoring of a mitigation system.

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude the need to investigate possible sources of vapor contamination, nor does it preclude the need to remediate contaminated soil vapors or the source of soil vapor contamination.

[3] Extreme care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples must be analyzed by methods that can achieve a minimum reporting limit of 0.25 microgram per cubic meter for indoor and outdoor air samples, and typically 1 microgram per cubic meter for subsurface vapor samples.

[4] Sub-slab vapor and indoor air samples are typically collected during the heating season since soil vapor intrusion is more likely to occur when a building's heating system is in operation and air is being drawn into the building. If samples are collected during other times of the year, it may be necessary to resample during the heating season to evaluate exposures accurately.

[5] When current exposures are attributed to sources other than vapor intrusion, the agencies must be provided documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

Exhibit 5

Sanborn Fire Insurance Maps

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Bob Ossman
OBrien & Gere Engineers,
435 New Karner Road
Albany, NY 12205

Order Date: 3/28/2005 **Completion Date:** 3/29/2005
Inquiry #: 1387728.1S
P.O. #: Please call
Site Name: Former Dambrose Cleaners
Address: 1517 Van Vranken
City/State: Schenectady, NY 12305
Cross Streets:

Customer Project: 34253.002
1151149ERK 518-452-9392

Based on client-supplied information, fire insurance maps for the following years were identified

1900 - 1 Map
1914 - 1 Map
1930 - 1 Map
1949 - 1 Map
1988 - 1 Map
1989 - 1 Map
1990 - 1 Map
1992 - 1 Map
1993 - 1 Map
1994 - 1 Map
1995 - 1 Map

Limited Permission to Photocopy

Total Maps: 11

USER'S GUIDE

This User's Guide provides guidelines for accessing Sanborn Map® images and for transferring them to your Word Processor.

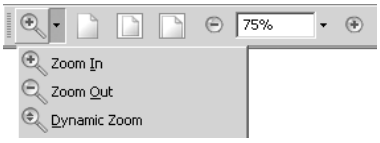
Reading Sanborn Maps

- Sanborn Maps document historical property use by displaying property information through words, abbreviations, and map symbols. The Sanborn Map Key provides information to help interpret the symbols and abbreviations used on Sanborn Maps. The Key is available from EDR's Web Site at: http://www.edrnet.com/reports/samples/key.pdf

Organization of Electronic Sanborn Image File

- Sanborn Map Report, listing years of coverage
- User's Guide
- Oldest Sanborn Map Image
- Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

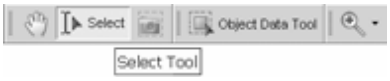


1. Open file on screen.
2. Identify TP (Target Property) on the most recent map.
3. Find TP on older printed images.
4. Using Acrobat® Reader®, zoom to 250% in order to view more clearly. (200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.)
   A. On the menu bar, click "View" and then "Zoom to..."
   B. Or, use the magnifying tool and drag a box around the TP

Printing a Sanborn Map From the Electonic File

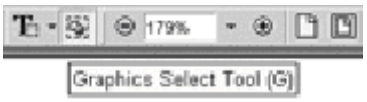
- EDR recommends printing images at 300 dpi (300 dpi prints faster than 600 dpi)
- To print only the TP area, cut and paste from Acrobat to your word processor application.

<u>Acrobat Versions 6 and 7</u>



1. Go to the menu bar
2. Click the "Select Tool"
3. Draw a box around the area selected
4. "Right click" on your mouse
5. Select "Copy Image to Clipboard"
6. Go to Word Processor such as Microsoft Word, paste and print.

<u>Acrobat Version 5</u>



1. Go to the menu bar
2. Click the "Graphics Select Tool"
3. Draw a box around the area selected
4. Go to "Menu"
5. Highlight "Edit"
6. Highlight "Copy"
7. Go to Word Processor such as Microsoft Word, paste and print.

Important Information about Email Delivery of Electronic Sanborn Map Images

- Images are grouped intro one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as "1 of 3", "2 of 3", etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.