NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

BROWNFIELD CLEANUP PROGRAM (BCP)

ECL ARTICLE 27 / TITLE 14

DEPARTMENT USE ONLY
BCP SITE #:

07/2010

Section I. Requestor Information

NAME Kent & Wythe Owners LLC

ADDRESS 1865 Palmer Avenue, Suite 203

CITY/TOWN Larchmont, New York ZIP CODE 10538

PHONE (914) 833-3000 FAX (914) 833-3092 E-MAIL tmetzger@lmdevpartners.com

Is the requestor authorized to conduct business in New York State (NYS)? See Attachment A. ☑ Yes ☐ No

-If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS Department of State to conduct business in NYS, the requestor's name must appear, exactly as given above, in the NYS Department of State's Corporation & Business Entity Database. A print-out of entity information from the database must be submitted to DEC with the application, to document that the applicant is authorized to do business in NYS.

NAME OF REQUESTOR'S REPRESENTATIVE Tell Metzger

ADDRESS 1865 Palmer Avenue, Suite 203

CITY/TOWN Larchmont, New York ZIP CODE 10538

PHONE (914)469-1873 FAX (914) 833-3092 E-MAIL tmetzger@lmdevpartners.com

NAME OF REQUESTOR'S CONSULTANT Roux Associates, Inc., Joseph Duminuco

ADDRESS 209 Shafter Street

CITY/TOWN Islandia, New York ZIP CODE 11749

PHONE (631) 232-2600 FAX (631) 232-9898 E-MAIL jduminuco@rouxinc.com

NAME OF REQUESTOR'S ATTORNEY Sive, Paget & Riesel, P.C., Michael Bogin

ADDRESS 460 Park Avenue

CITY/TOWN New York, New York ZIP CODE 10022

PHONE (212) 421-2150 FAX (212) 421-1891 E-MAIL mbogin@sprlaw.com

THE REQUESTOR MUST CERTIFY THAT HE/SHE IS EITHER A PARTICIPANT OR VOLUNTEER IN ACCORDANCE WITH ECL 27-1405 (1) BY CHECKING ONE OF THE BOXES BELOW:

☐ PARTICIPANT
A requestor who either 1) was the owner of the site at the time of the disposal of hazardous waste or discharge of petroleum or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

☑ VOLUNTEER
A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

NOTE: By checking this box, the requestor certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: i) stop any continuing discharge; ii) prevent any threatened future release; and iii) prevent or limit human, environmental, or natural resource exposure to any previously released hazardous waste.

Requestor Relationship to Property (check one):

☐ Previous Owner ☐ Current Owner ☑ Potential /Future Purchaser ☐ Other_____

If requestor is not the site owner, requestor will have access to the property throughout the BCP project. ☐ Yes ☐ No

-Proof of site access must be submitted for non-owners See Attachment A.1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

BROWNFIELD CLEANUP PROGRAM (BCP)

ECL ARTICLE 27 / TITLE 14

DEPARTMENT USE ONLY
BCP SITE #:

07/2010

Section I. Requestor Information

NAME 149 Kent Avenue LLC

ADDRESS 1 Cow Lane

CITY/TOWN Great Neck, New York ZIP CODE 11024

PHONE (516) 857-7005 | FAX (516) 482-2044 | E-MAIL ajhen@aol.com

Is the requestor authorized to conduct business in New York State (NYS)? See Attachment A. ☑ Yes ☐ No

-If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS Department of State to conduct business in NYS, the requestor's name must appear, exactly as given above, in the NYS Department of State's Corporation & Business Entity Database. A print-out of entity information from the database must be submitted to DEC with the application, to document that the applicant is authorized to do business in NYS.

NAME OF REQUESTOR'S REPRESENTATIVE Alan Henick

ADDRESS 1 Cow Lane

CITY/TOWN Great Neck, New York ZIP CODE 11024

PHONE (516)857-7005 | FAX (516) 482-2044 | E-MAIL ajhen@aol.com

NAME OF REQUESTOR'S CONSULTANT Roux Associates, Inc., Joseph Duminuco

ADDRESS 209 Shafter Street

CITY/TOWN Islandia, New York ZIP CODE 11749

PHONE (631) 232-2600 | FAX (631) 232-9898 | E-MAIL jduminuco@rouxinc.com

NAME OF REQUESTOR'S ATTORNEY Sive, Paget & Riesel, P.C., Michael Bogin

ADDRESS 460 Park Avenue

CITY/TOWN New York, New York ZIP CODE 10022

PHONE (212) 421-2150 | FAX (212) 421-1891 | E-MAIL mbogin@sprlaw.com

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☐ PARTICIPANT
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Requestor Relationship to Property (check one):

☐ Previous Owner ☑ Current Owner ☐ Potential /Future Purchaser ☐ Other _____

If requestor is not the site owner, requestor will have access to the property throughout the BCP project. ☐ Yes ☐ No

-Proof of site access must be submitted for non-owners

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

BROWNFIELD CLEANUP PROGRAM (BCP)

ECL ARTICLE 27 / TITLE 14

DEPARTMENT USE ONLY
BCP SITE #:

07/2010

Section I. Requestor Information

NAME The Western Carpet and Linoleum Co. Inc.

ADDRESS 1 Cow Lane

CITY/TOWN Great Neck, New York ZIP CODE 11024

PHONE (516) 857-7005 | FAX (516) 482-2044 | E-MAIL ajhen@aol.com

Is the requestor authorized to conduct business in New York State (NYS)? See Attachment A. ☑ Yes ☐ No

-If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS Department of State to conduct business in NYS, the requestor's name must appear, exactly as given above, in the NYS Department of State's Corporation & Business Entity Database. A print-out of entity information from the database must be submitted to DEC with the application, to document that the applicant is authorized to do business in NYS.

NAME OF REQUESTOR'S REPRESENTATIVE Alan Henick

ADDRESS 1 Cow Lane

CITY/TOWN Great Neck, New York ZIP CODE 11024

PHONE (516)857-7005 | FAX (516) 482-2044 | E-MAIL ajhen@aol.com

NAME OF REQUESTOR'S CONSULTANT Roux Associates, Inc., Joseph Duminuco

ADDRESS 209 Shafter Street

CITY/TOWN Islandia, New York ZIP CODE 11749

PHONE (631) 232-2600 | FAX (631) 232-9898 | E-MAIL jduminuco@rouxinc.com

NAME OF REQUESTOR'S ATTORNEY Sive, Paget & Riesel, P.C., Michael Bogin

ADDRESS 460 Park Avenue

CITY/TOWN New York, New York ZIP CODE 10022

PHONE (212) 421-2150 | FAX (212) 421-1891 | E-MAIL mbogin@sprlaw.com

THE REQUESTOR MUST CERTIFY THAT HE/SHE IS EITHER A PARTICIPANT OR VOLUNTEER IN ACCORDANCE WITH ECL 27-1405 (1) BY CHECKING ONE OF THE BOXES BELOW:

PARTICIPANT
A requestor who either 1) was the owner of the site at the time of the disposal of hazardous waste or discharge of petroleum or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

X VOLUNTEER
A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

NOTE: By checking this box, the requestor certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: i) stop any continuing discharge; ii) prevent any threatened future release; and iii) prevent or limit human, environmental, or natural resource exposure to any previously released hazardous waste.

Requestor Relationship to Property (check one):

X Previous Owner Current Owner Potential /Future Purchaser ☐ Other_____

If requestor is not the site owner, requestor will have access to the property throughout the BCP project. X Yes No

-Proof of site access must be submitted for non-owners See Attachment A.1

Section II. Property Information

Check here if this application is to request significant changes to property set forth in an existing BCA: ☐
Existing BCP site number:_____

PROPERTY NAME 149 Kent Avenue

ADDRESS/LOCATION 149 Kent Avenue CITY/TOWN Brooklyn ZIP CODE 11211

MUNICIPALITY(IF MORE THAN ONE, LIST ALL):

COUNTY Kings SITE SIZE (ACRES) 0.92

LATITUDE (degrees/minutes/seconds) 40 ° 43 ‘ 08 “ LONGITUDE (degrees/minutes/seconds) -73 ° 57 ‘ 43 “

HORIZONTAL COLLECTION METHOD: ☐ SURVEY ☐ GPS ☑ MAP HORIZONTAL REFERENCE DATUM: NAD83

COMPLETE TAX MAP INFORMATION FOR ALL TAX PARCELS INCLUDED WITHIN THE PROPERTY BOUNDARIES. ATTACH REQUIRED MAPS PER THE APPLICATION INSTRUCTIONS.

Parcel Address	Parcel No.	Section No.	Block No.	Lot No.	Acreage
149 Kent Avenue	1	3	2333	1	0.92

1. Do the property boundaries correspond to tax map metes and bounds? ☑ Yes ☐ No
   If no, please attach a metes and bounds description of the property.
2. Is the required property map attached to the application? (application will not be processed without map) ☑ Yes ☐ No
3. Is the property part of a designated En-zone pursuant to Tax Law § 21(b)(6)? See Att.'s B,C & D. ☐ Yes ☑ No
   For more information please see Empire State Development's website.
   If yes, identify area (name) _____
   Percentage of property in En-zone (check one): ☐ 0-49% ☐ 50-99% ☐ 100%
4. Is this application one of multiple applications for a large development project, where the development project spans more than 25 acres (see additional criteria in BCP application instructions)? If yes, identify name of properties in related BCP applications:_____ ☐ Yes ☑ No

5. Property Description Narrative:

See Attachment E.

6. List of Existing Easements (type here or attach information)

Easement Holder	Description
None known.	

7. List of Permits issued by the NYSDEC or USEPA Relating to the Proposed Site (type here or attach information)

Type	Issuing Agency	Description
None known.		

If any changes to Section II are required prior to application approval, a new page, initialed by each requestor, must be submitted.

Initials of each Requestor: _____ _____ _____ _____ _____ _____

Section III. Current Property Owner/Operator Information

OWNER'S NAME 149 Kent Avenue LLC		
ADDRESS 1 Cow Lane		
CITY/TOWN Great Neck, New York	ZIP CODE 11024	
PHONE (516) 857-7005	FAX (516) 482-2044	E-MAIL ajhen@aol.com
OPERATOR'S NAME Same		
ADDRESS		
CITY/TOWN	ZIP CODE	
PHONE	FAX	E-MAIL

Section IV. Requestor Eligibility Information (Please refer to ECL § 27-1407)

If answering "yes" to any of the following questions, please provide an explanation as an attachment.

1. Are any enforcement actions pending against the requestor regarding this site?	☐ Yes	☑ No
2. Is the requestor subject to an existing order relating to contamination at the site?	☐ Yes	☑ No
3. Is the requestor subject to an outstanding claim by the Spill Fund for this site?	☐ Yes	☑ No
4. Has the requestor been determined to have violated any provision of ECL Article 27?	☐ Yes	☑ No
5. Has the requestor previously been denied entry to the BCP?	☐ Yes	☑ No
6. Has the requestor been found in a civil proceeding to have committed a negligent or intentionally tortious act involving contaminants?	☐ Yes	☑ No
7. Has the requestor been convicted of a criminal offense that involves a violent felony, fraud, bribery, perjury, theft, or offense against public administration?	☐ Yes	☑ No
8. Has the requestor knowingly falsified or concealed material facts or knowingly submitted or made use of a false statement in a matter before the Department?	☐ Yes	☑ No
9. Is the requestor an individual or entity of the type set forth in ECL 27-1407.8(f) that committed an act or failed to act, and such act or failure to act could be the basis for denial of a BCP application?	☐ Yes	☑ No

Section V. Property Eligibility Information (Please refer to ECL § 27-1405)

1. Is the property, or was any portion of the property, listed on the National Priorities List? If yes, please provide relevant information as an attachment.	☐ Yes	☑ No
2. Is the property, or was any portion of the property, listed on the NYS Registry of Inactive Hazardous Waste Disposal Sites? If yes, please provide: Site #_____ Class # _____	☐ Yes	☑ No
3. Is the property subject to a permit under ECL Article 27, Title 9, other than an Interim Status facility? If yes, please provide: Permit type:_____ EPA ID Number:_____ Date permit issued:_____ Permit expiration date:_____	☐ Yes	☑ No
4. Is the property subject to a cleanup order under navigation law Article 12 or ECL Article 17 Title 10? If yes, please provide: Order #_____	☐ Yes	☑ No
5. Is the property subject to a state or federal enforcement action related to hazardous waste or petroleum? If yes, please provide explanation as an attachment.	☐ Yes	☑ No

Section VI. Project Description

What stage is the project starting at? ☑ Investigation ☐ Remediation

Please attach a description of the project which includes the following components:

- Purpose and scope of the project
- Estimated project schedule

See Attachment F.

Section VII. Property's Environmental History

To the extent that existing information/studies/reports are available to the requestor, please attach the following:

1. Environmental Reports

A Phase I environmental site assessment report prepared in accordance with ASTM E 1527 (American Society for Testing and Materials: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process), and all environmental reports related to contaminants on or emanating from the site. See Attachment G.

If a final investigation report is included, indicate whether it meets the requirements of ECL Article 27-1415(2): ☐Yes ☑No

2. SAMPLING DATA: INDICATE KNOWN CONTAMINANTS AND THE MEDIA WHICH ARE KNOWN TO HAVE BEEN AFFECTED. LABORATORY REPORTS SHOULD BE REFERENCED AND COPIES INCLUDED. See Attachment H.

Contaminant Category	Soil	Groundwater	Surface Water	Sediment	Soil Gas
Petroleum	x	x			x
Chlorinated Solvents	x	x			x
Other VOCs	x	x			x
SVOCs	x				
Metals	x				
Pesticides					
PCBs	x				
Other*					

*Please describe: _____

3. SUSPECTED CONTAMINANTS: INDICATE SUSPECTED CONTAMINANTS AND THE MEDIA WHICH MAY HAVE BEEN AFFECTED. PROVIDE BASIS FOR ANSWER AS AN ATTACHMENT. See Attachment I.

Contaminant Category	Soil	Groundwater	Surface Water	Sediment	Soil Gas
Petroleum					
Chlorinated Solvents					
Other VOCs					
SVOCs		x			
Metals		x			
Pesticides					
PCBs					
Other*					

*Please describe: _____

4. INDICATE KNOWN OR SUSPECTED SOURCES OF CONTAMINANTS (CHECK ALL THAT APPLY). PROVIDE BASIS FOR ANSWER AS AN ATTACHMENT.

☐Above Ground Pipeline or Tank ☐Lagoons or Ponds ☐Underground Pipeline or Tank ☐Surface Spill or Discharge
☐Routine Industrial Operations ☐Dumping or Burial of Wastes ☐Septic tank/lateral field ☐Adjacent Property
☐Drums or Storage Containers ☐Seepage Pit or Dry Well ☐Foundry Sand ☐Electroplating
☐Coal Gas Manufacture ☐Industrial Accident ☐Unknown

Other: Former Freight Railyard & Transfer Station for Chlorinated Solvents (See Attachment E)

5. INDICATE PAST LAND USES (CHECK ALL THAT APPLY):

☐Coal Gas Manufacturing ☐Manufacturing ☐Agricultural Co-op ☐Dry Cleaner ☐Salvage Yard ☐Bulk Plant
☐Pipeline ☐Service Station ☐Landfill ☐Tannery ☐Electroplating ☐Unknown

Other: Former Freight Railyard and Carpet Storage and Distribution Facility

6. PROVIDE A LIST OF PREVIOUS PROPERTY OWNERS AND OPERATORS WITH NAMES, LAST KNOWN ADDRESSES AND TELEPHONE NUMBERS AS AN ATTACHMENT. DESCRIBE REQUESTOR'S RELATIONSHIP, IF ANY, TO EACH PREVIOUS OWNER AND OPERATOR. IF NO RELATIONSHIP, PUT "NONE".

See Attachment J.

Section VIII. Contact List Information

See Attachment K.

Please attach, at a minimum, the names and addresses of the following:

1. The chief executive officer and planning board chairperson of each county, city, town and village in which the property is located.
2. Residents, owners, and occupants of the property and properties adjacent to the property.
3. Local news media from which the community typically obtains information.
4. The public water supplier which services the area in which the property is located.
5. Any person who has requested to be placed on the contact list.
6. The administrator of any school or day care facility located on or near the property.
7. The location of a document repository for the project (e.g., local library). In addition, attach a copy of a letter sent to the repository acknowledging that it agrees to act as the document repository for the property.

Section IX. Land Use Factors (Please refer to ECL § 27-1415(3))

1. Current Use: ☐Residential ☑Commercial ☐Industrial ☑Vacant ☐Recreational (check all that apply)
Provide summary of business operations as an attachment. See Attachment L.

2. Intended Use Post Remediation: ☐Unrestricted ☑Residential ☑Commercial ☐Industrial (check all that apply)
Provide specifics as an attachment. See Attachment F.

3. Do current historical and/or recent development patterns support the proposed use? (See #14 below re: discussion of area land uses)	☑Yes ☐No
4. Is the proposed use consistent with applicable zoning laws/maps? See Attachments D & L.	☑Yes ☐No
5. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, designated Brownfield Opportunity Area plans, other adopted land use plans? See Attachment L.	☑Yes ☐No
6. Are there any Environmental Justice Concerns? (See §27-1415(3)(p)). See Attachment L.	☑Yes ☐No
7. Are there any federal or state land use designations relating to this site?	☐Yes ☑No
8. Do the population growth patterns and projections support the proposed use? See Attachment L.	☑Yes ☐No
9. Is the property accessible to existing infrastructure?	☑Yes ☐No
10. Are there important cultural resources, including federal or state historic or heritage sites or Native American religious sites within ½ mile?	☐Yes ☑No
11. Are there important federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species within ½ mile?	☑Yes ☐No
12. Are there floodplains within ½ mile? See Attachment L.	☑Yes ☐No
13. Are there any institutional controls currently applicable to the property?	☐Yes ☑No

14. Describe the proximity to real property currently used for residential use, and to urban, commercial, industrial, agricultural, and recreational areas in an attachment. See Attachment D.

15. Describe the potential vulnerability of groundwater to contamination that might migrate from the property, including proximity to wellhead protection and groundwater recharge areas in an attachment. See Attachment L.

16. Describe the geography and geology of the site in an attachment. See Attachment L.

Section X. Statement of Certification and Signatures

(By requestor who is an individual)

If this application is approved, I acknowledge and agree to the general terms and conditions set forth in DER-32 *Brownfield Cleanup Program Applications and Agreements* and to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter. I also agree that in the event of a conflict between the general terms and conditions of participation set forth in DER-32 and the terms contained in a site-specific BCA, the terms in the BCA shall control. I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

Date: 4/24/12 Signature: _____ Print Name: _____

(By an requestor other than an individual)

I hereby affirm that I am authorized signatory (title) of Kent St. Owner LLC (entity); that I am authorized by that entity to make this application; that this application was prepared by me or under my supervision and direction. If this application is approved, I acknowledge and agree to the general terms and conditions set forth in DER-32 *Brownfield Cleanup Program Applications and Agreements* and to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter. I also agree that in the event of a conflict between the general terms and conditions of participation set forth in DER-32 and the terms contained in a site-specific BCA, the terms in the BCA shall control. I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date: 4/24/12 Signature: _____ Print Name: Debra Kenyon

SUBMITTAL INFORMATION:

Three (3) complete copies are required.

- **Two (2)** copies, one paper copy with original signatures and one electronic copy in Portable Document Format (PDF) on a CD, must be sent to:

  Chief, Site Control Section
  New York State Department of Environmental Conservation
  Division of Environmental Remediation
  625 Broadway
  Albany, NY 12233-7020

- **One (1)** paper copy must be sent to the DEC regional contact in the regional office covering the county in which the site is located. Please check our website for the address of our regional offices.

FOR DEPARTMENT USE ONLY

BCP SITE T&A CODE: _____ **LEAD OFFICE:** _____

Section X. Statement of Certification and Signatures

(By requestor who is an individual)

If this application is approved, I acknowledge and agree to the general terms and conditions set forth in DER-32 *Brownfield Cleanup Program Applications and Agreements* and to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter. I also agree that in the event of a conflict between the general terms and conditions of participation set forth in DER-32 and the terms contained in a site-specific BCA, the terms in the BCA shall control. I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

Date: _____ Signature: _____ Print Name: _____

(By an requestor other than an individual)

I hereby affirm that I am Member (title) of 149 Kent Ave LLC (entity); that I am authorized by that entity to make this application; that this application was prepared by me or under my supervision and direction. If this application is approved, I acknowledge and agree to the general terms and conditions set forth in DER-32 *Brownfield Cleanup Program Applications and Agreements* and to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter. I also agree that in the event of a conflict between the general terms and conditions of participation set forth in DER-32 and the terms contained in a site-specific BCA, the terms in the BCA shall control. I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date: 5/11/12 Signature: _____ Print Name: Alan Henick

SUBMITTAL INFORMATION:

Three (3) complete copies are required.

- **Two (2)** copies, one paper copy with original signatures and one electronic copy in Portable Document Format (PDF) on a CD, must be sent to:

  Chief, Site Control Section
  New York State Department of Environmental Conservation
  Division of Environmental Remediation
  625 Broadway
  Albany, NY 12233-7020

- **One (1)** paper copy must be sent to the DEC regional contact in the regional office covering the county in which the site is located. Please check our website for the address of our regional offices.

FOR DEPARTMENT USE ONLY

BCP SITE T&A CODE: _____ **LEAD OFFICE:** _____

Section X. Statement of Certification and Signatures

(By requestor who is an individual)

If this application is approved, I acknowledge and agree to the general terms and conditions set forth in DER-32 *Brownfield Cleanup Program Applications and Agreements* and to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter. I also agree that in the event of a conflict between the general terms and conditions of participation set forth in DER-32 and the terms contained in a site-specific BCA, the terms in the BCA shall control. I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

Date: _____ Signature: _____ Print Name: _____

(By an requestor other than an individual)

I hereby affirm that I am Vice President (title) of The Western Carpet and Linoleum Co. Inc (entity), that I am authorized by that entity to make this application; that this application was prepared by me or under my supervision and direction. If this application is approved, I acknowledge and agree to the general terms and conditions set forth in DER-32 *Brownfield Cleanup Program Applications and Agreements* and to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter. I also agree that in the event of a conflict between the general terms and conditions of participation set forth in DER-32 and the terms contained in a site-specific BCA, the terms in the BCA shall control. I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date: 5/11/12 Signature: _____ Print Name: Alan Henick

SUBMITTAL INFORMATION:

Three (3) complete copies are required.

- **Two (2)** copies, one paper copy with original signatures and one electronic copy in Portable Document Format (PDF) on a CD, must be sent to:

  Chief, Site Control Section
  New York State Department of Environmental Conservation
  Division of Environmental Remediation
  625 Broadway
  Albany, NY 12233-7020

- **One (1)** paper copy must be sent to the DEC regional contact in the regional office covering the county in which the site is located. Please check our website for the address of our regional offices.

FOR DEPARTMENT USE ONLY

BCP SITE T&A CODE: _____ **LEAD OFFICE:** _____

Section I. New York State Department of State's Corporation & Business Entity Database: Kent & Wythe Owners LLC Proof of Authorization to Do Business in New York State

Attachment A

NYS Department of State

Division of Corporations

Entity Information

The information contained in this database is current through May 7, 2012.

Selected Entity Name: KENT & WYTHE OWNERS LLC

Selected Entity Status Information

Current Entity Name:	KENT & WYTHE OWNERS LLC
Initial DOS Filing Date:	APRIL 03, 2012
County:	WESTCHESTER
Jurisdiction:	NEW YORK
Entity Type:	DOMESTIC LIMITED LIABILITY COMPANY
Current Entity Status:	ACTIVE

Selected Entity Address Information

DOS Process (Address to which DOS will mail process if accepted on behalf of the entity)

KENT & WYTHE OWNERS LLC
1865 PALMER AVENUE, SUITE 203
LARCHMONT, NEW YORK, 10538

Registered Agent

NONE

This office does not require or maintain information regarding the names and addresses of members or managers of nonprofessional limited liability companies. Professional limited liability companies must include the name(s) and address(es) of the original members, however this information is not recorded and only available by viewing the certificate.

***Stock Information**

# of Shares	Type of Stock	$ Value per Share

No Information Available

*Stock information is applicable to domestic business corporations.

Name History

Filing Date	Name Type	Entity Name
APR 09, 2012	Actual	KENT & WYTHE OWNERS LLC
APR 03, 2012	Actual	149 KENT OWNERS LLC

A **Fictitious** name must be used when the **Actual** name of a foreign entity is unavailable for use in New York State. The entity must use the fictitious name when conducting its activities or business in New York State.

NOTE: New York State does not issue organizational identification numbers.

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NYS Department of State

Division of Corporations

Entity Information

The information contained in this database is current through May 7, 2012.

Selected Entity Name: 149 KENT AVENUE LLC

Selected Entity Status Information

Current Entity Name:	149 KENT AVENUE LLC
Initial DOS Filing Date:	NOVEMBER 19, 2001
County:	WESTCHESTER
Jurisdiction:	NEW YORK
Entity Type:	DOMESTIC LIMITED LIABILITY COMPANY
Current Entity Status:	ACTIVE

Selected Entity Address Information

DOS Process (Address to which DOS will mail process if accepted on behalf of the entity)

149 KENT AVENUE LLC
ALAN HENICK
1 COW LN
GREAT NECK, NEW YORK, 11024

Registered Agent

NATIONAL REGISTERED AGENTS, INC.
875 AVENUE OF THE AMERICAS
SUITE 501
NEW YORK, NEW YORK, 10001

This office does not require or maintain information regarding the names and addresses of members or managers of nonprofessional limited liability companies. Professional limited liability companies must include the name(s) and address(es) of the original members, however this information is not recorded and only available by viewing the certificate.

*Stock Information

# of Shares	Type of Stock	$ Value per Share
No Information Available		

*Stock information is applicable to domestic business corporations.

Name History

Filing Date	Name Type	Entity Name
NOV 19, 2001	Actual	149 KENT AVENUE LLC

A **Fictitious** name must be used when the **Actual** name of a foreign entity is unavailable for use in New York State. The entity must use the fictitious name when conducting its activities or business in New York State.

NOTE: New York State does not issue organizational identification numbers.

Search Results New Search

Services/Programs | Privacy Policy | Accessibility Policy | Disclaimer | Return to DOS Homepage | Contact Us

NYS Department of State

Division of Corporations

Entity Information

The information contained in this database is current through May 9, 2012.

Selected Entity Name: THE WESTERN CARPET AND LINOLEUM CO. INC.

Selected Entity Status Information

Current Entity Name: THE WESTERN CARPET AND LINOLEUM CO. INC.
Initial DOS Filing Date: SEPTEMBER 19, 1923
County: NEW YORK
Jurisdiction: NEW YORK
Entity Type: DOMESTIC BUSINESS CORPORATION
Current Entity Status: ACTIVE

Selected Entity Address Information

DOS Process (Address to which DOS will mail process if accepted on behalf of the entity)
KGS LLP
125 JERICHO TPKE
JERICHO, NEW YORK, 11753

Chairman or Chief Executive Officer
JEFFREY M HENICK
1 COW LN
GREAT NECK, NEW YORK, 11024

Principal Executive Office
THE WESTERN CARPET AND LINOLEUM CO. INC.
1 COW LN
GREAT NECK, NEW YORK, 11024

Registered Agent
NONE

This office does not record information regarding the names and addresses of officers, shareholders or directors of nonprofessional corporations except the chief executive officer, if

provided, which would be listed above. Professional corporations must include the name(s) and address(es) of the initial officers, directors, and shareholders in the initial certificate of incorporation, however this information is not recorded and only available by viewing the certificate.

***Stock Information**

# of Shares	Type of Stock	$ Value per Share
12500	Par Value	100

*Stock information is applicable to domestic business corporations.

Name History

Filing Date	Name Type	Entity Name
SEP 19, 1923	Actual	THE WESTERN CARPET AND LINOLEUM CO. INC.

A **Fictitious** name must be used when the **Actual** name of a foreign entity is unavailable for use in New York State. The entity must use the fictitious name when conducting its activities or business in New York State.

NOTE: New York State does not issue organizational identification numbers.

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N. Y. S. DEPARTMENT OF STATE
DIVISION OF CORPORATIONS AND STATE RECORDS ALBANY, NY 12231-0001

FILING RECEIPT

ENTITY NAME: 149 KENT OWNERS LLC

DOCUMENT TYPE: ARTICLES OF ORGANIZATION (DOM LLC) COUNTY: WEST

FILED:04/03/2012 DURATION:********* CASH#:120403000448 FILM #:120403000412

FILER:

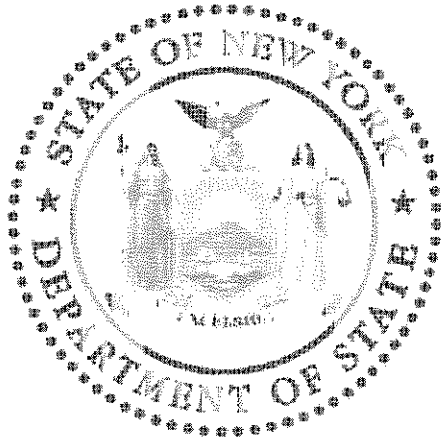
RANYA MARGI
1865 PALMER AVENUE
SUITE 203
LARCHMONT, NY 10538

EXIST DATE
04/03/2012

ADDRESS FOR PROCESS:

THE LLC
1865 PALMER AVENUE, SUITE 203
LARCHMONT, NY 10538

REGISTERED AGENT:



SERVICE COMPANY: NATIONAL CORPORATE RESEARCH LTD. - 26 SERVICE CODE: 26 *

FEES	260.00	PAYMENTS	260.00
FILING	200.00	CASH	0.00
TAX	0.00	CHECK	0.00
CERT	0.00	CHARGE	0.00
COPIES	10.00	DRAWDOWN	260.00
HANDLING	50.00	OPAL	0.00
		REFUND	0.00

DOS-1025 (04/2007)

STATE OF NEW YORK

DEPARTMENT OF STATE

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

WITNESS my hand and official seal of the Department of State, at the City of Albany, on April 4, 2012.

Daniel E. Shapiro
First Deputy Secretary of State

Rev. 05/09

NCR-26

120403000412

ARTICLES OF ORGANIZATION

OF

149 KENT OWNERS LLC

Under Section 203 of the Limited Liability Company Law

FIRST: The name of the limited liability company is 149 Kent Owners LLC

SECOND: The county within this state in which the office of the limited liability company is to be located in Westchester.

THIRD: The secretary of state is designated as agent of the limited liability company upon whom process against it may be served. The post office address within or without this state to which the secretary of state shall mail a copy of any process against the limited liability company served upon him or her is 1865 Palmer Avenue, Suite 203, Larchmont, New York 10538.

IN WITNESS WHEREOF, this certification has been subscribed this 2nd day of April, 2012 by the undersigned who affirms that the statements made herein are true under the penalties of perjury.

Jeffrey Feldman
Organizer

120403000412

NCR-26

120403000412

RECEIVED
2012 APR -3 AM 10:06

ARTICLES OF ORGANIZATION

OF

149 KENT OWNERS LLC

Under Section 203 of the Limited Liability Company

Filed: Ranya Margi
1865 Palmer Avenue
Suite 203
Larchmont, NY 10538

FILED
2012 APR -3 AM 11:08

1CC

STATE OF NEW YORK
DEPARTMENT OF STATE
FILED APR -3 2012
TAX $
BY:

Drawdown

448

N. Y. S. DEPARTMENT OF STATE
DIVISION OF CORPORATIONS AND STATE RECORDS ALBANY, NY 12231-0001

FILING RECEIPT

==========

ENTITY NAME: KENT & WYTHE OWNERS LLC

DOCUMENT TYPE: AMENDMENT (DOM LLC) COUNTY: WEST
NAME

==========

FILED:04/09/2012 DURATION:********* CASH#:120409000373 FILM #:120409000354

FILER:

RANYA MARGI
1865 PALMER AVE

LARCHMONT, NY 10538

ADDRESS FOR PROCESS:

REGISTERED AGENT:

==========

SERVICE COMPANY: NATIONAL CORPORATE RESEARCH LTD. - 26 SERVICE CODE: 26

FEES	120.00	PAYMENTS	120.00
FILING	60.00	CASH	0.00
TAX	0.00	CHECK	0.00
CERT	0.00	CHARGE	0.00
COPIES	10.00	DRAWDOWN	120.00
HANDLING	50.00	OPAL	0.00
		REFUND	0.00

==========

DOS-1025 (04/2007)

STATE OF NEW YORK

DEPARTMENT OF STATE

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

WITNESS my hand and official seal of the Department of State, at the City of Albany, on April 9, 2012.

Daniel E. Shapiro
First Deputy Secretary of State

Rev. 06/07

NCR-26

120409000 354

New York State
Department of State
Division of Corporations, State Records
and Uniform Commercial Code
One Commerce Plaza, 99 Washington Avenue
Albany, NY 12231
www.dos.ny.gov

CERTIFICATE OF AMENDMENT OF ARTICLES OF ORGANIZATION OF

149 Kent Owners LLC

(Insert Name of Domestic Limited Liability Company)

Under Section 211 of the Limited Liability Company Law

FIRST: The name of the limited liability company is:

149 Kent Owners LLC

If the name of the limited liability company has been changed, the name under which it was organized is:

SECOND: The date of filing of the articles of organization is: April 3, 2012

THIRD: The amendment effected by this certificate of amendment is as follows: (Set forth each amendment in a separate paragraph providing the subject matter and full text of each amended paragraph. For example, an amendment changing the name of the limited liability company would read as follows: Paragraph *First* of the Articles of Organization relating to *the limited liability company name* is hereby amended to read as follows: *First: The name of the limited liability company is ... (new name) ...*)

Paragraph FIRST of the Articles of Organization relating to

NAME OF LIMITED LIABILITY COMPANY

is hereby amended to read as follows:
"FIRST: The name of the limited liability company is Kent & Wythe Owners LLC "

NCR-26

120409000

354

X _____
(Signature)

Jeffrey Feldman
(Type or print name)

Authorized Person
(Title of signer)

RECEIVED
2012 APR -9 AM 10:02

CERTIFICATE OF AMENDMENT
OF
ARTICLES OF ORGANIZATION
OF

149 Kent Owners LLC
(Insert Name of Domestic Limited Liability Company)

Under Section 211 of the Limited Liability Company Law

LC

STATE OF NEW YORK
DEPARTMENT OF STATE
FILED APR 09 2012
TAX $ _____
BY: _____

Filed by: Ranya Margi
(Name)
1865 Palmer Ave
(Mailing address)
Larchmont NY 10538
(City, State and Zip code)

NOTE: This form was prepared by the New York State Department of State for filing a certificate of amendment of a domestic limited liability company. It does not contain all optional provisions under the law. You are not required to use this form. You may draft your own form or use forms available at legal supply stores. The Department of State recommends that legal documents be prepared under the guidance of an attorney. The certificate must be submitted with a $60 filing fee made payable to the Department of State.

(For office use only.)

Drawdown

2012 APR -9 AM 11:15
FILED

313

Section I

Attachment A.1

- **Access Agreement between 149 Kent Avenue LLC and The Western Carpet And Linoleum Co. Inc.**
- **Access Agreement between 149 Kent Avenue LLC and Kent & Wythe Owners LLC**

BROWNFIELD CLEANUP PROGRAM
SITE ACCESS AGREEMENT

This Site Access Agreement ("Agreement") is made and entered into on this 10th day of May 2012, by and between **149 KENT AVENUE LLC** ("Owner"), and **THE WESTERN CARPET AND LINOLEUM CO. INC.** ("Western Carpet").

WHEREAS, Owner owns real property located at 149 Kent Avenue, Brooklyn, New York 11211, Block 2333, Lot 1, (the "Property"), which is the subject of a New York State Brownfield Cleanup Program application, in which both Owner and Western Carpet are co-requestors, and which Western Carpet formerly owned;

Therefore, for $10 good and adequate consideration, which is deemed received; it is therefore agreed as follows:

1. **Access Agreement.** Owner hereby authorizes Western Carpet and its environmental and engineering consultants (together with their subcontractors) to enter the property located at 149 Kent Avenue, Brooklyn, New York 11211, Block 2333, Lot 1, (the "Property"), and undertake any and all remedial investigation and remedial action work required to fulfill the terms of the Brownfield Cleanup Program Agreement, submitted herewith, and any associated Brownfield Cleanup Program Agreement work plans approved by the New York State Department of Environmental Conservation.

2. **Entire Agreement.** This Agreement constitutes the Parties' entire agreement on this subject. There are no written or oral representations or understandings that are not fully expressed in this Agreement. No change, waiver, or discharge is valid unless in writing and signed by the party against whom it is sought to be enforced.

3. **Statement of Agreement.** This Agreement is not and shall not be construed as an admission of any issue of fact or law, or as an admission or adjudication of any liability, or as a modification or waiver of any claim or defense or right or remedy, and shall not be admissible in any other suit or proceeding, except a suit or proceeding to enforce the terms contained herein.

4. **Headings & Section References.** The headings and section references used in this Agreement are inserted for reference solely as a matter of convenience and do not affect the scope or intent of any section or provision of this Agreement.

5. **Enforceability.** If any part of this Agreement is for any reason found to be unenforceable, all other portions nevertheless remain enforceable.

6. **Waiver.** The waiver of any breach of any term or condition of this Agreement does not waive any other breach of that term or condition or of any other term or condition.

7. **Governing Law.** This Agreement must be construed, and its performance enforced, under New York law.

8. **Effective Date.** This Agreement, executed in duplicate originals, shall be effective on the date written above.

9. **Signatories.** This Agreement may be executed in one or more counterparts and by facsimile signatures, each of which shall be deemed an original agreement, but all of which together shall constitute one and the same instrument.

10. **Agreement Execution Authority.** Each person executing this Agreement represents that the Party on whose behalf the person is executing this Agreement has duly authorized the execution of this Agreement and that such person is authorized to execute the Agreement on behalf of such Party.

IN WITNESS WHEREOF, the Parties hereto are authorized and have executed this Agreement on the day and year written above.

149 KENT AVENUE LLC

5/14/12
Date

By: _____

Name: MICHAEL BOGIN

Title: Sive Paget & Riesel, PC
Attorneys for 149 Kent Avenue LLC

THE WESTERN CARPET AND LINOLEUM CO. INC.

5/10/12
Date

By: _____

Name: Alan Henick

Title: Vice President

BROWNFIELD CLEANUP PROGRAM
SITE ACCESS AGREEMENT

This Site Access Agreement ("Agreement") is made and entered into on this 10th day of May 2012, by and between **149 KENT AVENUE LLC** ("Owner"), and **KENT & WYTHE OWNERS LLC** ("K&W").

WHEREAS, Owner owns real property located at 149 Kent Avenue, Brooklyn, New York 11211, Block 2333, Lot 1, (the "Property"), which is the subject of a New York State Brownfield Cleanup Program application, in which both Owner and K&W are co-requestors;

Therefore, for $10 good and adequate consideration, which is deemed received; it is therefore agreed as follows:

1. **Access Agreement.** Owner hereby authorizes K&W and its environmental and engineering consultants (together with their subcontractors) to enter the property located at 149 Kent Avenue, Brooklyn, New York 11211, Block 2333, Lot 1, (the "Property"), and undertake any and all remedial investigation and remedial action work required to fulfill the terms of the Brownfield Cleanup Program Agreement, submitted herewith, and any associated Brownfield Cleanup Program Agreement work plans approved by the New York State Department of Environmental Conservation.

2. **Entire Agreement.** This Agreement constitutes the Parties' entire agreement on this subject. There are no written or oral representations or understandings that are not fully expressed in this Agreement. No change, waiver, or discharge is valid unless in writing and signed by the party against whom it is sought to be enforced.

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4. **Headings & Section References.** The headings and section references used in this Agreement are inserted for reference solely as a matter of convenience and do not affect the scope or intent of any section or provision of this Agreement.

5. **Enforceability.** If any part of this Agreement is for any reason found to be unenforceable, all other portions nevertheless remain enforceable.

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7. **Governing Law.** This Agreement must be construed, and its performance enforced, under New York law.

8. **Effective Date.** This Agreement, executed in duplicate originals, shall be effective on the date written above.

9. **Signatories.** This Agreement may be executed in one or more counterparts and by facsimile signatures, each of which shall be deemed an original agreement, but all of which together shall constitute one and the same instrument.

10. **Agreement Execution Authority.** Each person executing this Agreement represents that the Party on whose behalf the person is executing this Agreement has duly authorized the execution of this Agreement and that such person is authorized to execute the Agreement on behalf of such Party.

IN WITNESS WHEREOF, the Parties hereto are authorized and have executed this Agreement on the day and year written above.

5/10/2012
Date

149 KENT AVENUE LLC

By: _____

Name: Michael Bagin

Title: Sive Paget & Riesel PC.
Attorneys for 149 Kent LLC

5/10/12
Date

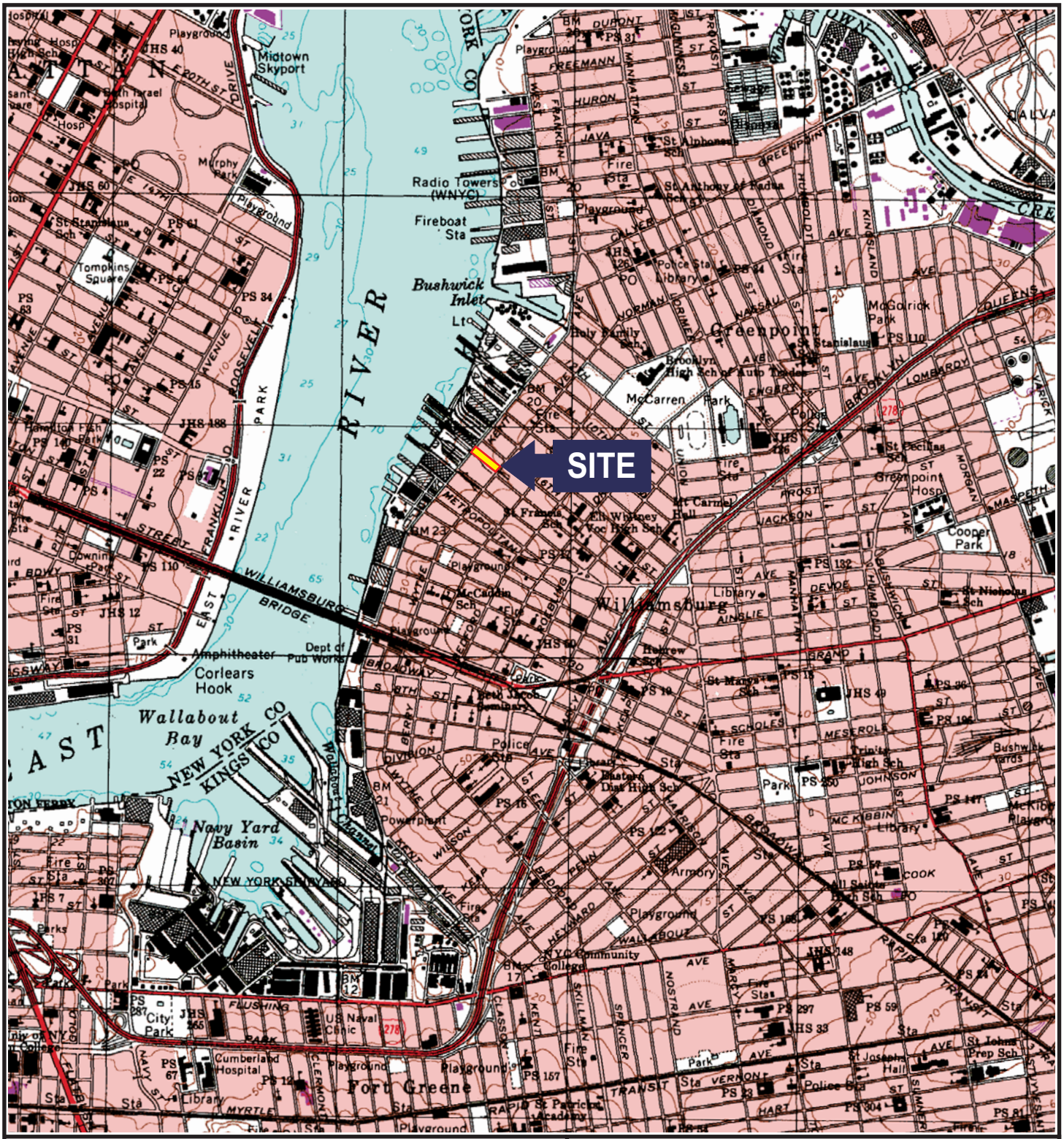
KENT & WYTHE OWNERS LLC

By: _____

Name: Debra Kenyon

Title: Authorized Signatory

Section II. Property Information
Part 2. Site Location Map
Attachment B



QUADRANGLE LOCATION

SOURCE:
USGS; 1995, BROOKLYN, NY
7.5 Minute Topographic Quadrangle

N

0 2000’

Title:

SITE LOCATION MAP

149 KENT AVENUE
BROOKLYN, NEW YORK

Prepared for:

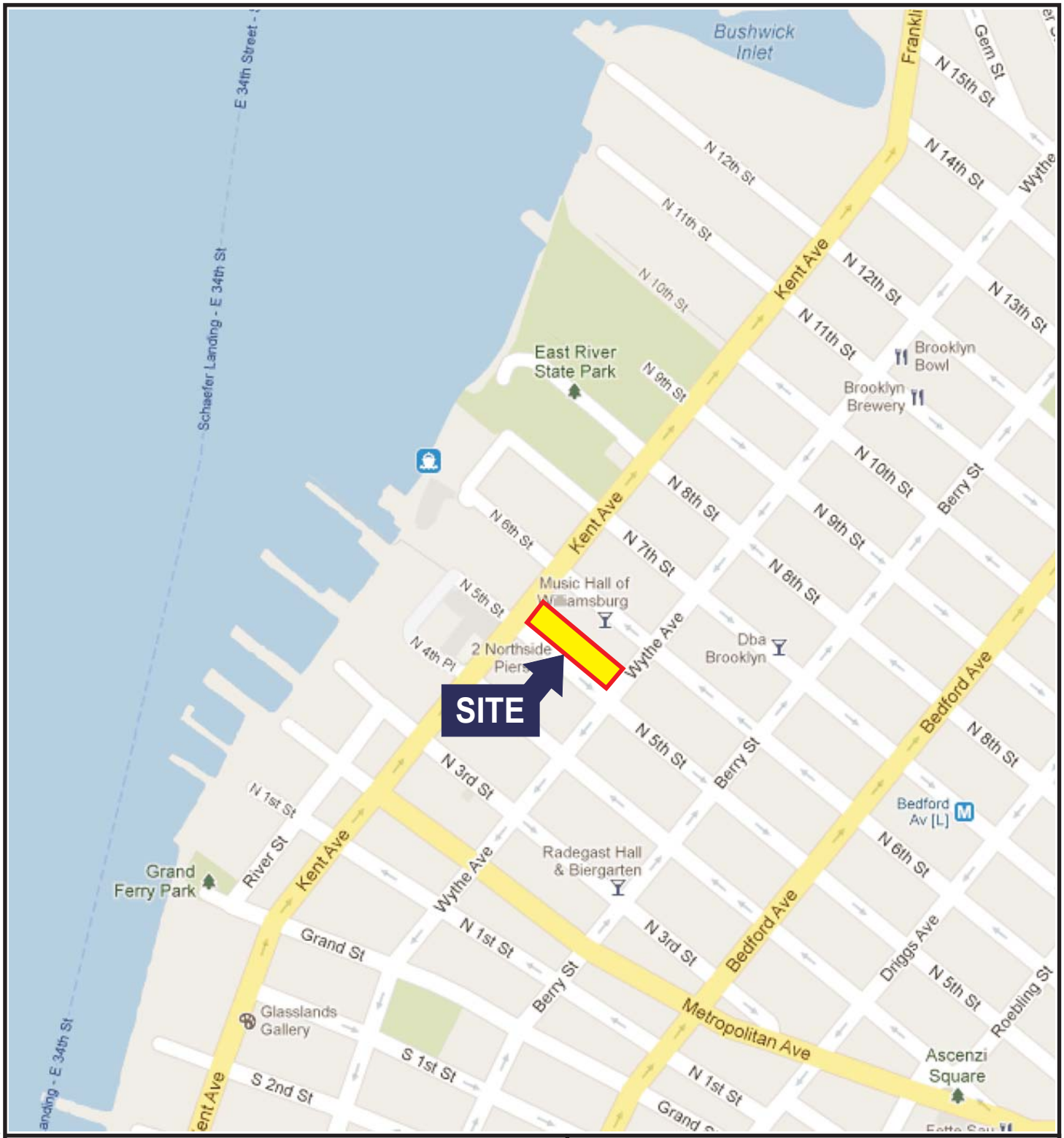
KENT & WYTHE OWNERS LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: M.D.	Date: 17APR12
Prepared by: J.A.D.	Scale: AS SHOWN
Project Mgr.: J.D.	Project No.: 2158.0001Y000
File: 2158.0001Y100.01.CDR	

FIGURE 1a

V:\CAD\PROJECTS\2158\Y0001Y100\2158.0001Y100.01.CDR



QUADRANGLE LOCATION

SOURCE:
GOOGLE MAPS 2012

N

0 600’

Title:

SITE LOCATION MAP

149 KENT AVENUE
BROOKLYN, NEW YORK

Prepared for:

KENT & WYTHE OWNERS LLC

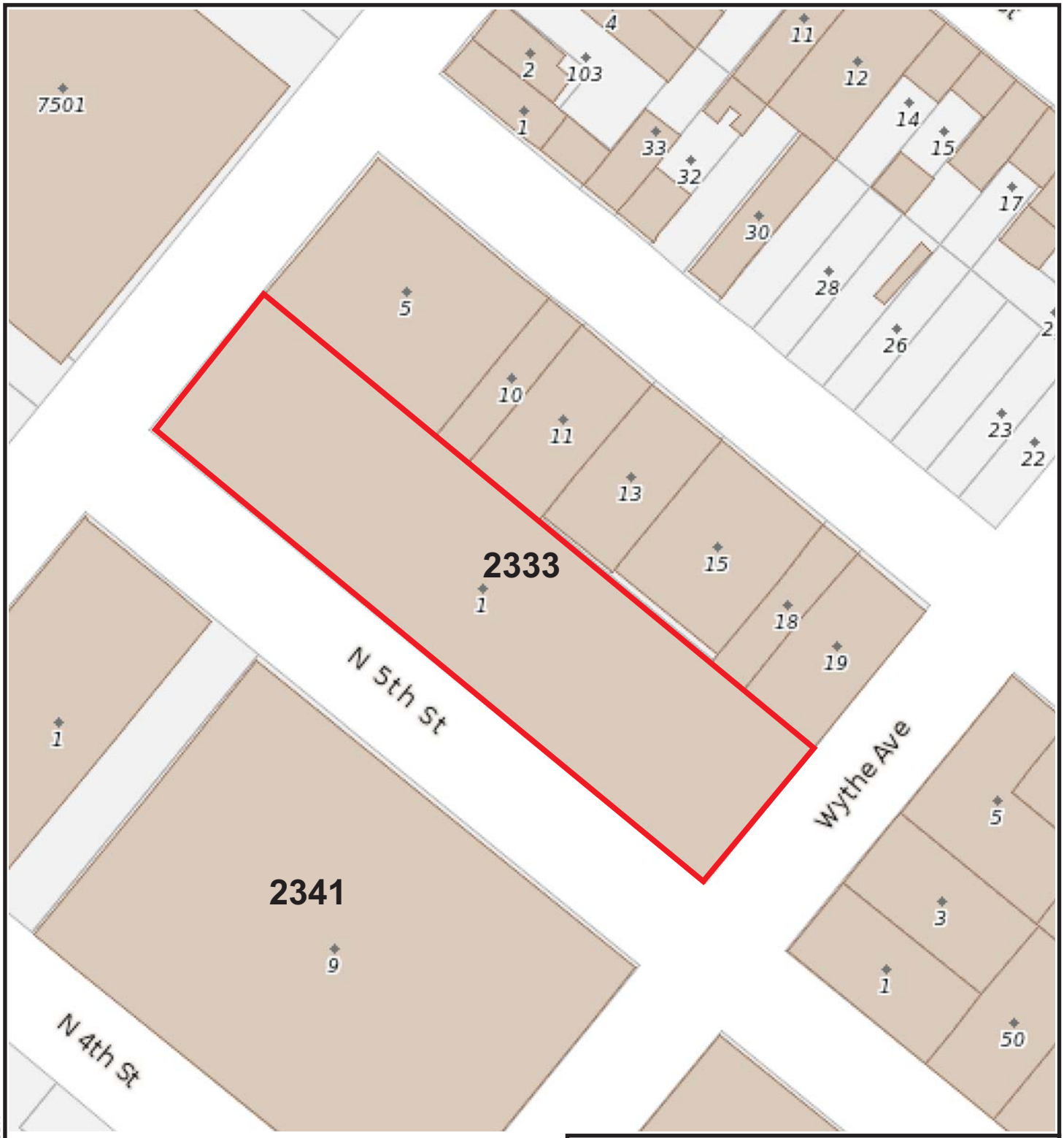
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: D.B.	Date: 03MAY12
Prepared by: J.A.D.	Scale: AS SHOWN
Project Mgr.: J.D.	Project No.: 2158.0001Y000
File: 2158.0001Y100R.01.CDR	

FIGURE 1b

V:\CAD\PROJECTS\2158\Y0001Y100R\2158.0001Y100R.01.CDR

Section II. Property Information
Part 2. Tax Parcel Map
Attachment C



Title:

TAX PARCEL MAP

149 KENT AVENUE
BROOKLYN, NEW YORK

Prepared for:

KENT & WYTHE OWNERS LLC

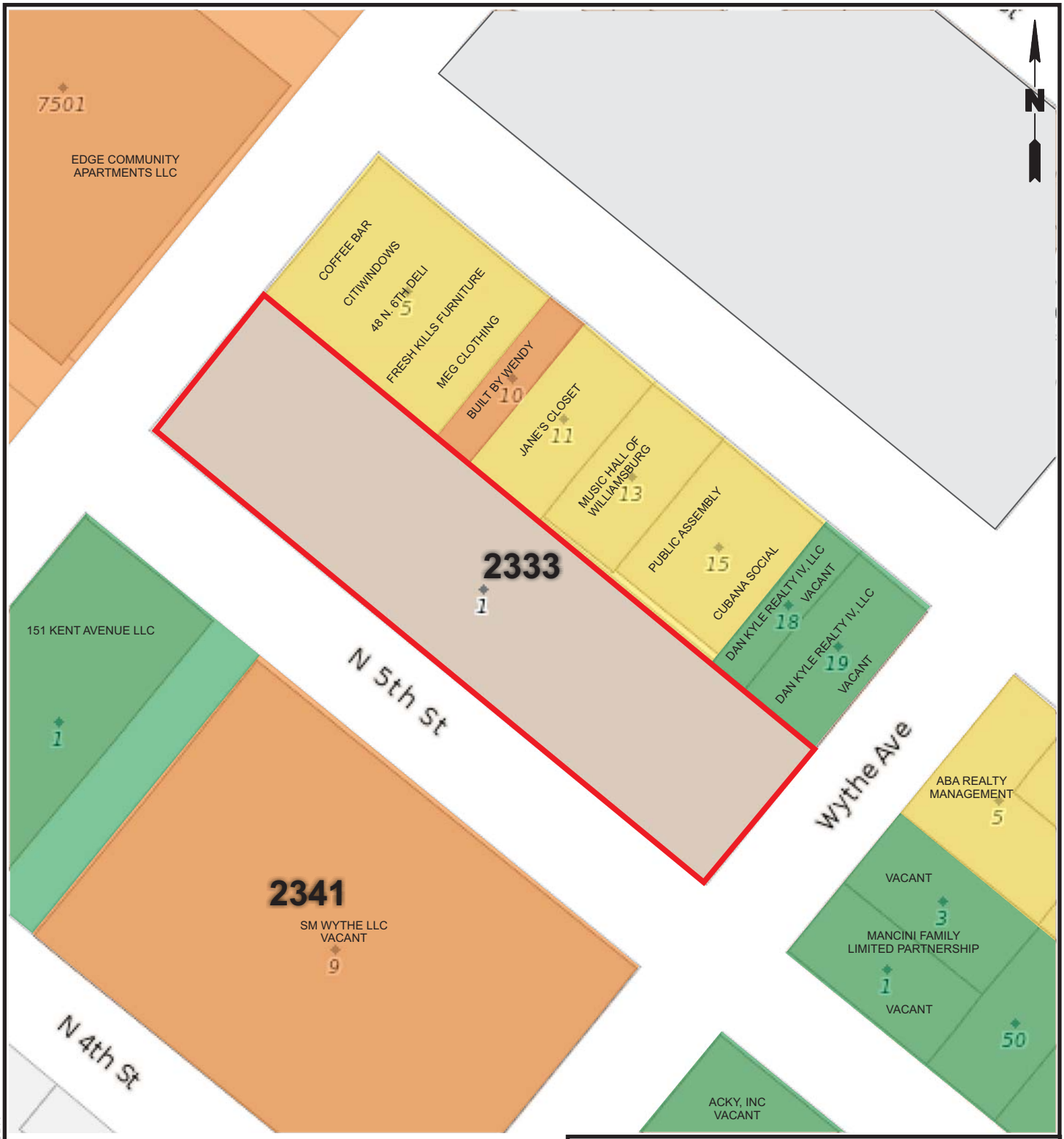
ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: M.D.	Date: 17APR12
Prepared by: J.A.D.	Scale: AS SHOWN
Project Mgr.: J.D.	Project No.: 2158.0001Y000
File: 2158.0001Y100.02.CDR	

FIGURE
2

V:\CAD\PROJECTS\2158Y0001Y\100\2158.0001Y100.02.CDR

Section II. Property Information
Part 2. Surrounding Land Use Map
Attachment D



LEGEND

- MIXED RESIDENTIAL COMMERCIAL
- COMMERCIAL
- INDUSTRIAL

0 80'

Title:

LAND USE MAP

149 KENT AVENUE
BROOKLYN, NEW YORK

Prepared for:

KENT& WYTHE OWNERS LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: M.D.	Date: 20APR12
Prepared by: J.A.D.	Scale: AS SHOWN
Project Mgr.: J.D.	Project No.: 2158.0001Y00
File: 2158.0001Y100.03.CDR	

FIGURE 3

V:\CAD\PROJECTS\2158Y0001Y\100\2158.0001Y100.03.CDR

Section II. Property Information
Part 5. Property Description Narrative
Attachment E

The site is located at 149 Kent Avenue in the Williamsburg area of Brooklyn. It is 40,000 square feet (100 feet by 400 feet) along the north side of 5th Street between Kent and Wythe Avenues. It is in Community Board 1 and is identified on New York City tax maps as Kings County Block 2333, Lot 1. An existing warehouse encompasses the entire property and was used from 1988 to 2011 for carpet and flooring storage.

The Site operated as a rail terminal for approximately 100 years prior to becoming a warehouse in 1988, with two to three tracks over time. Prior investigations identified the presence of chlorinated volatile organic compounds (CVOCs) in soil and groundwater likely attributable to historic rail operations due to their proximity to a historical loading dock used for unloading train cars. Additional petroleum-related volatile organic compounds (VOCs) are present in soil and groundwater. The shallow soil consists of historic fill and is impacted by polycyclic aromatic hydrocarbons (PAHs), metals including lead, and polychlorinated biphenyls (PCBs). Shallow soil has likely been impacted by the approximately 100 years of rail yard operations.

Section VI Project Description
Part 1.
Attachment F

149 Kent Avenue will be developed as an "80/20" rental (80% market rate, 20% affordable at 60% of AMI. This is affordable to families with incomes under approximately $50,000/year for a family of four).

The site is zoned R6A. Based on a 3.6 allowable floor area ratio the Property can be developed with approximately 144,000 zsf.

Proposal includes 95 below grade parking spaces, ground floor retail, and approx. 185 units.

The total development cost is expected to be approximately $75,000,000. Construction is expected to start Q1 2013.

Estimated Project Schedule
The following schedule listing summarizes the anticipated tasks. The schedule is approximate and takes into account NYSDEC review of project plans, public comments, and the potential for multiple field mobilizations.

Project Phase	**Approximate Time Frame**
BCP Application	May, 2012
Notification of Application Completeness	May, 2012
ENB Publication	May 2012
End of BCP Application Public Comment Period	June, 2012
Submission of Remedial Investigation Work Plan (RIWP) to NYSDEC	July, 2012
NYSDEC Approval of RIWP	August, 2012
Remedial Investigation (RI)	September, 2012
Submission of RI to NYSDEC	December, 2012
End of RI Public Comment	January, 2013
Submission of Remedial Action Work Plan (RAWP) to NYSDEC	February, 2013
NYSDEC Approval of RAWP	February, 2013
End of RAWP Public Comment Period	April, 2013
Demolition	Between October, 2012 and March, 2013
Start of Construction Implementation of the RAWP	Between January, 2013 and June 2013
End of Construction	March 2015

Section VII. Property's Environmental History
Part 1. Environmental Reports
Attachment G

The following subsurface investigations have been conducted at the subject property and the reports are attached.

Phase II Subsurface Investigation Memorandum, AKRF Inc. (AKRF), January 9, 2008.

The January 9, 2008 AKRF Memorandum (AKRF Memorandum) summarizes the results of thirteen soil samples, six groundwater samples and six soil vapor samples collected at the site. This work was performed by a contract vedee that was in contract through late 2011. The full AKRF reports have not been provided to the current owner. Based on the AKRF Memorandum, PCE concentrations were as high as 78,000 mg/kg and 72,000 ug/L in soil and groundwater, respectively. Lead and PCBs were detected in shallow soil as high as 12,000 mg/kg and 13,560 ug/kg, respectively. AKRF also collected soil samples from seven additional borings to delineate PCE impacts. The AKRF Memorandum did not provide the soil data for the seven additional borings, but did indicate that PCE soil concentrations ranged from below detection limits to 78,000 mg/kg. The Site was recently listed as a large quantity generator (Handler ID NYR000160242), which was related to the disposal of AKRF investigation-derived waste.

Draft Summary of Analytical Results for the Sub-Slab and Indoor Air Sampling Investigation, 149 Kent Avenue, Brooklyn, New York, Roux Associates Inc., July 15, 2009

Roux Associates also collected one ambient air, five indoor air and five sub-slab samples as part of the 2009 Sub-Slab and Indoor Air Sampling Investigation. A total of 23 compounds were detected in the sub-slab and indoor air samples including, but not limited to:

- CVOCs: trichloroethene (TCE, ranging from 16 to 5,100 ug/m3), carbon tetrachloride, PCE (ranging from 140 to 95,000 ug/m3), 1,1,1-trichloroethane, 1,2-dichloroethene and trichlorofluoromethane
- Petroleum-related VOCs: benzene, toluene, ethylbenzene, and xylenes (BTEX), 2,2,4-trimethylpentane, n-hexane, n-heptane and cyclohexane

Technical Report: Indoor Air Quality Investigation, 149 Kent Avenue, Brooklyn, New York, Hydro Tech Environmental Corp., November 16, 2011

Hydro Tech Environmental Corp. conducted an Indoor Air Quality Investigation at the subject property in November 2011. Laboratory results indicated similar compounds to the Roux Associates 2009 study and similar compounds were detected.

AKRF, Inc.
34 South Broadway, Suite 314
White Plains, NY 10601
Phone: 914-949-7336
Fax: 914-949-7559

Privileged & Confidential
Prepared at the Request of Legal Counsel

Memorandum

To:	Scott Furman, Esq., John Curran, Esq.	From:	Becky Kinal
Company:	Tannenbaum-Helpern	Date:	January 9, 2008
cc:	Marc Godick	Phone No.:	914-922-2362
Re:	149 Kent/202 Wythe, Williamsburg	Project No.:	11015

Between December 11, 2007 and January 4, 2008, AKRF completed the base scope of field work for subsurface investigation of the subject properties, which included the installation of 11 soil borings/monitoring wells and 12 soil gas sampling points in the on-site buildings. Monitoring wells were set at approximately 5 to 7 feet below the water table interval, with continuous split-spoon soil sampling conducted during the drilling activities. Two soil samples (one shallow and one deep) and one groundwater sample were collected at each monitoring well location and submitted for laboratory analysis for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), and metals. Summa canister samples were collected at each soil gas sampling point and submitted for laboratory analysis for VOCs. Sampling locations are illustrated on the attached Figure 1. Laboratory analytical results have been received for the majority of the samples collected and are summarized in tables provided as an attachment to this memorandum. The following discussion provides an overview of the subsurface soil and groundwater (but not soil gas) conditions at the site based on the field observations and the available analytical data[1].

Soil

The chlorinated solvent tetrachloroethene (a.k.a., PCE or perc) was detected at high concentrations in both shallow [0-4 feet below ground surface (bgs)] and deep (14-15 feet bgs) soil samples from the MW-2 soil boring (located adjacent to a neighboring property described on historic Sanborn maps as a "Dry Cleaners Supplies" warehouse). Concentrations were 2,500 parts per million (ppm) and 4,200 ppm, respectively. These analytical results are consistent with field observations of a strong solvent-like odor detected during drilling activities at MW-2. Acetone and methylene chloride were also detected in the MW-2 soil samples at elevated levels; however, these compounds were detected in the associated

[1] Outstanding analytical data for the base scope of work includes: all soil and groundwater data for MW-11; and semivolatile organic compounds, pesticides, PCBs, and metals data for all groundwater samples.

laboratory method blank and are likely due to laboratory contamination (with the reported concentrations elevated due to dilution of the samples). None of the other soil samples exhibited VOC concentrations exceeding Recommended Soil Cleanup Objectives (RSCOs) listed in NYSDEC TAGM 4046.

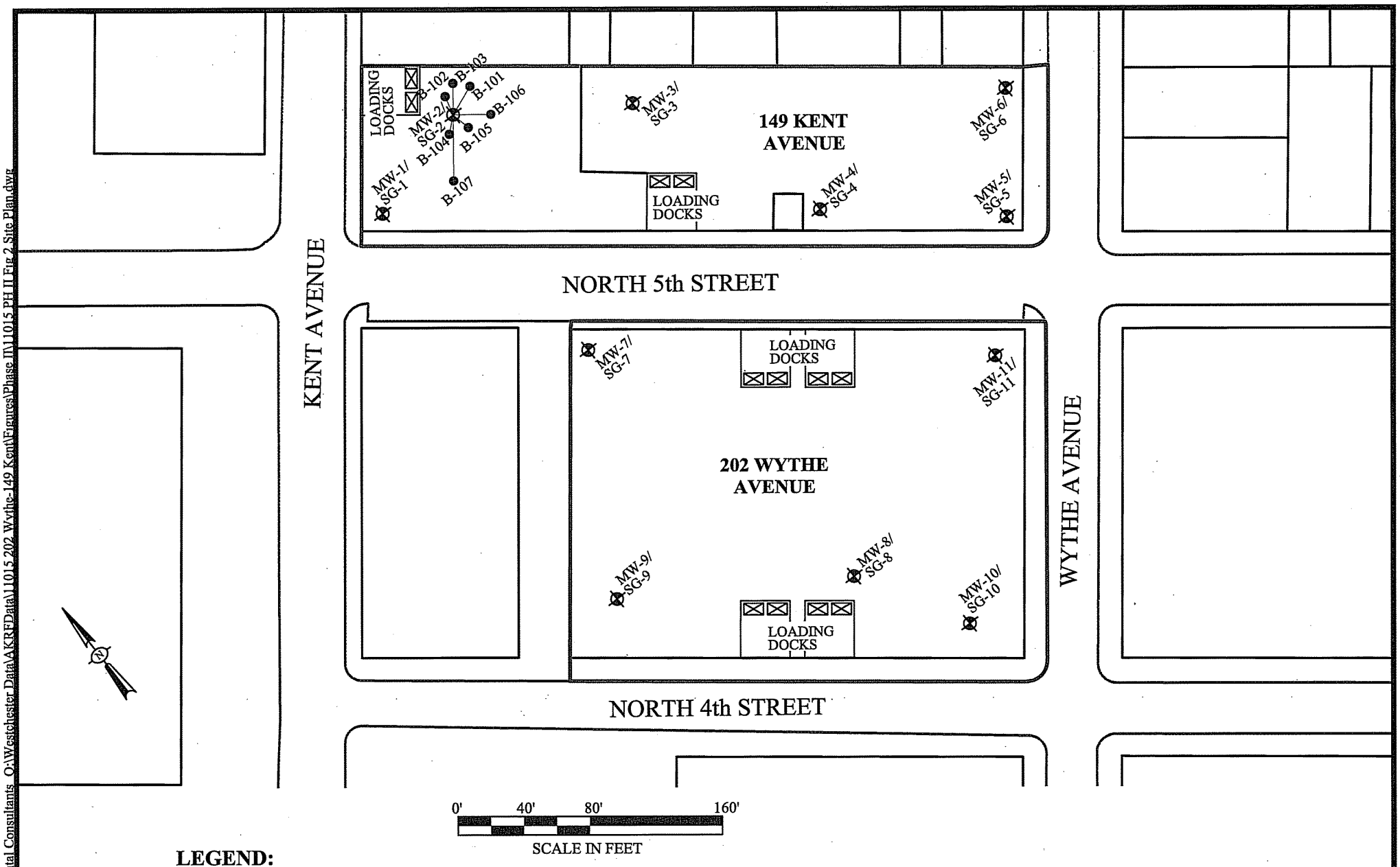
Based on field observations and preliminary analytical results indicating elevated VOC concentrations in soil at MW-2, six borings were advanced in the vicinity of this monitoring well on December 27, 2007 to further delineate the contamination. The delineation soil samples contained PCE concentrations ranging from below detection limits to 78,000 ppm.

Polycyclic aromatic hydrocarbons (PAHs) and metals were detected in the majority of the soil samples at concentrations exceeding their respective RSCOs. Concentrations were generally less than five to ten times the RSCOs and higher in the shallow soil samples collected from 0 to 10 feet bgs. A more elevated lead concentration of 12,000 parts per million (ppm) was detected in the shallow soil sample from the MW-1 soil boring, located in the southwestern corner of the 149 Kent Avenue building. These analytical results are consistent with field observations of urban fill material in the shallow site subsurface.

The total polychlorinated biphenyl (PCB) concentration in the shallow soil sample from the MW-2 boring (13.4 ppm) exceeded the subsurface soil RSCO of 10 ppm. All other detected PCB and pesticide concentrations were below their respective RSCOs.

Groundwater

PCE concentrations exceeded the NYSDEC Class GA groundwater standard in four monitoring wells in the 149 Kent Avenue building (MW-1, MW-2, MW-3, and MW-4) and one well in the 202 Wythe Avenue building (MW-8). The highest PCE concentrations were detected in MW-2 [72,000 part per billion (ppb)] and MW-1 (4,800 ppb). The PCE degradation product trichloroethene (TCE) was detected above the Class GA standard in monitoring wells MW-3 and MW-4. Monitoring well MW-4 also contained additional chlorinated compounds, including dichloroethene (a breakdown compound of PCE), carbon tetrachloride, dichloroethane, and 1,1,1-trichlorethane above the GA groundwater standards. Petroleum-related compounds benzene, ethylbenzene, and xylenes were detected in the groundwater sample from MW-5, located in the southeastern corner of the 149 Kent Avenue building, at concentrations above the Class GA standard, but less than 100 ppb.



LEGEND:

- PROJECT SITE BOUNDARY
- LIFT
- MW-8/ SG-8 — MONITORING WELL/SOIL GAS LOCATION
- B-107 — SOIL BORING LOCATION

149 KENT AVENUE
BROOKLYN, NEW YORK

SITE PLAN DETAIL

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE 01.10.07
PROJECT No. 11015
SCALE as shown
FIGURE 2

Volatile Organic Compounds
Soil Samples

Sample ID	NYSDEC	B-1(0-4)		B-1(14-15)		B-2(0-4)		B-2(7-8)		B-2(14-15)		B-3 (0-6)		B-3 (14-16)	
Lab Sample Number	TAGM 4046	220-3673-1		220-3673-2		220-3673-3		220-3673-4		220-3673-5		220-3704-1		220-3704-2	
Sampling Date	RSCO	12/14/2007		12/14/2007		12/14/2007		12/14/2007		12/14/2007		12/15/2007		12/15/2007	
Dilution Factor		1		1		200		1		200		1		1	
Units	ug/Kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
GC/MS VOA - 8260B															
Acetone	200	31	B *	25	J B *	120,000	J M	23	* B	32,000	U	27	B	15	J B
Methyl Ethyl Ketone	300	3.4	U	4.3	U	28,000	U	3.8	U	28,000	U	6.3	J	3.9	U
Chloroform	300	0.54	U	0.68	U	16,000	U	0.6	U	16,000	U	0.61	U	0.61	U
Methylene Chloride	100	4.1	J B	4.7	J B	9,400	U	3.6	J B	21,000	J	2.9	J B	5.1	J B
Tetrachloroethene	1,400	7.3	B	5.6	J B	2,500,000		88		4,200,000		8.5		0.93	J
Toluene	1,500	0.6	U	0.76	U	7,000	U	0.67	U	7,000	U	0.68	U	0.68	U
1,1,1-Trichloroethane	800	0.74	U	0.94	U	9,400	U	0.82	U	9,300	U	0.84	U	0.84	U
Trichloroethene	700	9.3		1.3	U	16,000	U	1.1	U	16,000	U	11		1.1	U
cis-1,2-Dichloroethene	NS	3.2	J	1.2	U	14,000	U	1	U	14,000	U	8.2		1.1	U

Volatile Organic Compounds
Soil Samples

Sample ID	NYSDEC	B-4 (0-6)		B-4 (16-18)		B-5 (0-4)		B-5 (14-15)		B-6 (0-4)		B-6 (11-13)		B-7(0-10)	
Lab Sample Number	TAGM 4046	220-3704-3		220-3704-4		220-3704-5		220-3704-6		220-3704-7		220-3704-8		220-3770-1	
Sampling Date	RSCO	12/15/2007		12/15/2007		12/17/2007		12/18/2007		12/18/2007		12/18/2007		12/19/2007	
Dilution Factor		1		1		1		1		1		1		1	
Units	ug/Kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
GC/MS VOA - 8260B															
Acetone	200	58	B	17	J B	25	J B	38	B	47	B	25	J B	27	B
Methyl Ethyl Ketone	300	9.4	J	3.9	U	4.2	U	4.1	U	4.9	U	4.4	U	3.9	U
Chloroform	300	0.58	U	0.62	U	0.67	U	0.65	U	0.77	U	0.69	U	0.62	U
Methylene Chloride	100	3.3	J B	6.5	J B	6.2	J B	8.8	J B	17	J B	5.6	J B	2.7	J B
Tetrachloroethene	1,400	2	J	0.87	U	0.93	U	0.91	U	1.1	U	0.96	U	0.86	U
Toluene	1,500	0.65	U	0.69	U	0.74	U	0.72	U	0.85	U	0.76	U	0.69	U
1,1,1-Trichloroethane	800	0.8	U	0.85	U	0.92	U	0.9	U	2.1	J	0.95	U	0.85	U
Trichloroethene	700	1.1	U	1.2	U	1.2	U	1.2	U	1.4	U	1.3	U	1.2	U
cis-1,2-Dichloroethene	NS	1	U	1.1	U	1.2	U	1.1	U	1.3	U	1.2	U	1.1	U

Volatile Organic Compounds
Soil Samples

Sample ID	NYSDEC	B-7(12-14)		B-8(0-4)		B-8(16-17)		B-9(0-4)		B-9(15-16)		B-10(0-4)		B-10(12-14)	
Lab Sample Number	TAGM 4046	220-3770-2		220-3770-6		220-3770-7		220-3770-3		220-3770-5		220-3770-8		220-3770-9	
Sampling Date	RSCO	12/19/2007		12/20/2007		12/21/2007		12/19/2007		12/20/2007		12/21/2007		12/21/2007	
Dilution Factor		1		1		1		1		1		1		1	
Units	ug/Kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
GC/MS VOA - 8260B															
Acetone	200	15	J B	57	B	25	J B	12	J B	16	J B	31	B	18	J B
Methyl Ethyl Ketone	300	4	U	3.7	U	4.3	U	3.6	U	3.9	U	3.6	U	4	U
Chloroform	300	0.62	U	0.58	U	0.68	U	0.57	U	0.61	U	1.5	J	0.63	U
Methylene Chloride	100	4.4	J B	9.3	J B	6	J B	5.2	J B	5.1	J B	6.5	J B	3.2	J B
Tetrachloroethene	1,400	0.87	U	8.8		1.1	J	0.8	U	0.85	U	8.6		2	J
Toluene	1,500	0.69	U	1.2	J	0.76	U	0.64	U	0.68	U	0.63	U	0.7	U
1,1,1-Trichloroethane	800	0.86	U	0.8	U	0.93	U	0.79	U	0.84	U	0.77	U	0.86	U
Trichloroethene	700	1.2	U	1.1	U	1.3	U	1.1	U	1.1	U	1	U	1.2	U
cis-1,2-Dichloroethene	NS	1.1	U	1	U	1.2	U	1	U	1.1	U	0.98	U	1.1	U

Volatile Organic Compounds
Soil Samples

Sample ID	NYSDEC	FB-1		FB-1		TRIP BLANK		FIELD BLANK		TRIP BLANK		FB		TB	
Lab Sample Number	TAGM 4046	220-3673-6		220-3673-6		220-3673-7		220-3704-9		220-3704-10		220-3770-4		220-3770-10	
Sampling Date	RSCO	12/14/2007		12/14/2007		12/14/2007		12/15/2007		12/15/2007		12/19/2007		12/21/2007	
Dilution Factor		1		1		1		1		1		1		1	
Units	ug/Kg	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
GC/MS VOA - 8260B															
Acetone	200	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	5.1	J	2.4	J
Methyl Ethyl Ketone	300	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	4.3	J	1.1	U
Chloroform	300	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U
Methylene Chloride	100	2.2	J	1.9	J	2	J	1.7	J	2.1	J	2.4	J B	2.3	J B
Tetrachloroethene	1,400	29		220	E	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Toluene	1,500	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
1,1,1-Trichloroethane	800	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Trichloroethene	700	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
cis-1,2-Dichloroethene	NS	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

Semivolatile Organic Compounds
Soil Samples

Sample ID	NYSDEC	B-1(0-4)		B-1(14-15)		B-2(0-4)		B-2(7-8)		B-2(14-15)		B-3 (0-6)		B-3 (14-16)		B-4 (0-6)
Lab Sample Number	TAGM 4046	220-3673-1		220-3673-2		220-3673-3		220-3673-4		220-3673-5		220-3704-1		220-3704-2		220-3704-3
Sampling Date	RSCO	12/14/2007		12/14/2007		12/14/2007		12/14/2007		12/14/2007		12/15/2007		12/15/2007		12/15/2007
Dilution Factor		1		1		2		1		1		1		1		4
Units	ug/Kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg
GC/MS Semi VOA - 8270C																
Acenaphthene	50,000	87	J	73	U	130	U	65	U	67	U	64	U	62	U	240
Acenaphthylene	41,000	110	J	79	U	290	J	70	U	73	U	69	U	68	U	260
Anthracene	50,000	240	J	67	U	630	J	59	U	62	J	90	J	57	U	220
Benzo[a]anthracene	224	**470**		60	U	**2,000**		66	J	180	J	**280**	J	52	U	**380**
Benzo[a]pyrene	61	**480**		53	U	**930**		47	U	**70**	J	**240**	J	46	U	**350**
Benzo[b]fluoranthene	1,100	660		71	U	**2,200**		75	J	210	J	300	J	61	U	480
Benzo[g,h,i]perylene	50,000	330	J	81	U	1,400		72	U	77	J	240	J	70	U	420
Benzo[k]fluoranthene	1,100	250	J	68	U	840		60	U M	78	J	140	J M	58	U	230
Bis(2-ethylhexyl) phthalate	50,000	200	J	53	U	1,900		640		810		190	J	66	J	260
Butyl benzyl phthalate	50,000	47	U	58	U	110	U	52	U	54	U	51	U	50	U	200
Carbazole	NS	77	J	71	U	440	J	63	U	65	U	62	U	61	U	240
Chrysene	400	**530**		73	U	**2,900**		95	J	210	J	340	J	63	U	380
Di-n-butyl phthalate	8,100	51	U	64	U	120	U	57	U	59	U	56	U	55	U	210
Dibenz(a,h)anthracene	14	**98**	J	63	U	**330**	J	56	U	58	U	55	U	54	U	210
Dibenzofuran	6,200	65	J	73	U	800		65	U	86	J	64	U	62	U	240
1,2-Dichlorobenzene	NS	53	U	66	U	700	J	58	U	61	U	57	U	56	U	220
1,4-Dichlorobenzene	NS	52	U	65	U	380	J	58	U	60	U	57	U	56	U	220
Fluoranthene	50,000	910		69	U	10,000		330	J	630		600		59	U	640
Fluorene	50,000	80	J	71	U	130	U	63	U	76	J	62	U	61	U	240
Indeno[1,2,3-cd]pyrene	3,200	400		74	U	1,600		65	U	79	J	220	J	63	U	390
2-Methylnaphthalene	36,400	61	U	76	U	240	J	68	U	70	U	67	U	65	U	250
Naphthalene	13,000	87	J	63	U	310	J	56	U	160	J	55	U	54	U	210
Phenanthrene	50,000	610		68	U	3,300		61	U	570		520		59	U	500
Pyrene	50,000	650		61	U	6,600		250	J	530		570		52	U	640
1,2,4-Trichlorobenzene	NS	53	U	66	U	130	J	59	U	61	U	58	U	57	U	220
4-Methylphenol	90	50	U	62	U	110	U	55	U	57	U	54	U	53	U	210
Pentachlorophenol	1,000	24	U	29	U	54	U	26	U	27	U	26	U	25	U	98
Phenol	30	40	U	50	U	91	U	44	U	46	U	43	U	43	U	170

Semivolatile Organic Compounds
Soil Samples

Sample ID	NYSDEC		B-4 (16-18)		B-5 (0-4)		B-5 (14-15)		B-6 (0-4)		B-6 (11-13)		B-7(0-10)		B-7(12-14)	
Lab Sample Number	TAGM 4046		220-3704-4		220-3704-5		220-3704-6		220-3704-7		220-3704-8		220-3770-1		220-3770-2	
Sampling Date	RSCO		12/15/2007		12/17/2007		12/18/2007		12/18/2007		12/18/2007		12/19/2007		12/19/2007	
Dilution Factor			1		5		1		5		1		1		1	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
GC/MS Semi VOA - 8270C																
Acenaphthene	50,000	U	65	U	1,800	J	300	J	610	J	73	U	67	U	67	U
Acenaphthylene	41,000	U	70	U	2,200		140	J	760	J	80	U	73	U	72	U
Anthracene	50,000	U M	60	U	5,700		440		4,100		68	U	62	U	61	U M
Benzo[a]anthracene	224	J	54	U	**9,600**		**650**		**17,000**		61	U	56	U	67	J
Benzo[a]pyrene	61	J	47	U	**7,700**		**540**		**18,000**		54	U	49	U	51	J
Benzo[b]fluoranthene	1,100	J	63	U	**12,000**		830		**19,000**		72	U	66	U	66	J
Benzo[g,h,i]perylene	50,000	J	72	U	7,900		560		21,000		82	U	75	U	74	U
Benzo[k]fluoranthene	1,100	U M	61	U	4,800		310	J	7,500		69	U	63	U	62	U M
Bis(2-ethylhexyl) phthalate	50,000	J	47	U	760	J	3700		290	U	60	J	49	U	230	J
Butyl benzyl phthalate	50,000	U	52	U	270	U	130	J	320	U	59	U	54	U	53	U
Carbazole	NS	U	63	U	2,100		180	J	1,300	J	71	U	65	U	65	U
Chrysene	400	J	65	U	**13,000**		**750**		**16,000**		74	U	68	U	68	J
Di-n-butyl phthalate	8,100	U	57	U	300	U	62	U	350	U	65	U	59	U	59	U
Dibenz(a,h)anthracene	14	U	56	U	**2,400**		**120**	J	**4,300**		64	U	58	U	58	U
Dibenzofuran	6,200	U	65	U	2,800		240	J	550	J	74	U	67	U	67	U
1,2-Dichlorobenzene	NS	U	59	U	310	U	63	U	360	U	66	U	61	U	60	U
1,4-Dichlorobenzene	NS	U	58	U	310	U	63	U	350	U	66	U	60	U *	59	U *
Fluoranthene	50,000	J	61	U	12,000		1500		27,000		70	U	64	U	130	J
Fluorene	50,000	U	63	U	2,700		320	J	700	J	71	U	65	U	65	U
Indeno[1,2,3-cd]pyrene	3,200	J	66	U	**8,800**		540		**21,000**		74	U	68	U	67	U
2-Methylnaphthalene	36,400	U	68	U	1,700	J	150	J	410	U	77	U	70	U	70	U
Naphthalene	13,000	U	56	U	3,600		210	J	340	U	64	U	58	U	58	U
Phenanthrene	50,000	J	61	U	12,000		1500		15,000		69	U	63	U	100	J
Pyrene	50,000	J	54	U	14,000		1200		28,000		61	U	56	U	130	J
1,2,4-Trichlorobenzene	NS	U	59	U	310	U	64	U	360	U	67	U	61	U	61	U
4-Methylphenol	90	U	55	U	290	U	60	U	340	U	63	U	58	U	57	U
Pentachlorophenol	1,000	U	26	U	140	U	28	U	160	U	30	U	27	U	27	U
Phenol	30	U	44	U	230	U	48	U	270	U	50	U	46	U	45	U

Semivolatile Organic Compounds
Soil Samples

Sample ID	NYSDEC	B-8(0-4)		B-8(16-17)		B-9(0-4)		B-9(15-16)		B-10(0-4)		B-10(12-14)	
Lab Sample Number	TAGM 4046	220-3770-6		220-3770-7		220-3770-3		220-3770-5		220-3770-8		220-3770-9	
Sampling Date	RSCO	12/20/2007		12/21/2007		12/19/2007		12/20/2007		12/21/2007		12/21/2007	
Dilution Factor		1		1		4		1		1		1	
Units	ug/Kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
GC/MS Semi VOA - 8270C													
Acenaphthene	50,000	660		73	U	520	J	66	U	370		110	J
Acenaphthylene	41,000	290	J	79	U	380	J	72	U	190	J	74	U
Anthracene	50,000	1,600		67	U	1,300	J	61	U	980		250	J
Benzo[a]anthracene	224	**2,800**		60	U	**3,300**		55	U	**2,800**		**540**	
Benzo[a]pyrene	61	**2,100**		53	U	**2,600**		49	U	**2,400**		**470**	
Benzo[b]fluoranthene	1,100	**2,400**		71	U	**3,300**		65	U	**2,700**		580	
Benzo[g,h,i]perylene	50,000	1,400		81	U	1,800		74	U	2,000		340	J
Benzo[k]fluoranthene	1,100	910		68	U	1,500		62	U	980		220	J
Bis(2-ethylhexyl) phthalate	50,000	94	J	210	J	770	J	49	J	520		97	J
Butyl benzyl phthalate	50,000	51	U	58	U	200	U	53	U	48	U	54	U
Carbazole	NS	560		71	U	660	J	64	U	340	J	100	J
Chrysene	400	**2,600**		73	U	**3,200**		67	U	**2,900**		**540**	
Di-n-butyl phthalate	8,100	56	U	64	U	220	U	59	U	83	J	60	U
Dibenz(a,h)anthracene	14	**430**		63	U	**370**	J	57	U	**490**		**74**	J
Dibenzofuran	6,200	470		73	U	440	J	66	U	230	J	72	J
1,2-Dichlorobenzene	NS	57	U	66	U	230	U	60	U	54	U	61	U
1,4-Dichlorobenzene	NS	57	U *	65	U *	220	U *	59	U *	54	U *	61	U *
Fluoranthene	50,000	4,800		69	U	7,600		63	U	5,100		1,200	
Fluorene	50,000	650		71	U	620	J	65	U	370		95	J
Indeno[1,2,3-cd]pyrene	3,200	1,600		74	U	1,800		67	U	2,200		330	J
2-Methylnaphthalene	36,400	270	J	76	U	260	U	70	U	99	J	71	U
Naphthalene	13,000	440		63	U	400	J	58	U	160	J	60	J
Phenanthrene	50,000	5,500		68	U	6,800		62	U	4,800		1,100	
Pyrene	50,000	4,500		61	U	6,500		56	U	5,200		1,200	
1,2,4-Trichlorobenzene	NS	58	U	66	U	230	U	60	U	55	U	62	U
4-Methylphenol	90	54	U	62	U	210	U	57	U	99	J	58	U
Pentachlorophenol	1,000	26	U	140	J	100	U	27	U	24	U	27	U
Phenol	30	43	U	50	U	170	U	45	U	**85**	J	46	U

Pesticides/PCBs
Soil Samples

Sample ID	NYSDEC	B-1(0-4)		B-1(14-15)		B-2(0-4)		B-2(7-8)		B-2(14-15)		B-3 (0-6)		B-3 (14-16)	
Lab Sample Number	TAGM 4046	220-3673-1		220-3673-2		220-3673-3		220-3673-4		220-3673-5		220-3704-1		220-3704-2	
Sampling Date	RSCO	12/14/2007		12/14/2007		12/14/2007		12/14/2007		12/14/2007		12/15/2007		12/15/2007	
Dilution Factor		1		1		20		20		100		1		1	
Units	ug/Kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
GC Semi VOA - 8081A															
4,4'-DDD	2,900	44	M	0.49	U	100		13	J	64	M	11	M	0.43	U
4,4'-DDE	2,100	8	M	0.56	U	150		9.8	U	50	U	5.8	M	0.49	U
4,4'-DDT	2,100	31	M	0.4	U	520		350		1500		33	M	0.35	U
alpha-BHC	110	0.28	U	0.35	U	6.5	U	6.2	U	32	U	0.31	U	0.31	U
beta-BHC	200	0.27	U	0.34	U	6.3	U	6.1	U	31	U	0.31	U	0.31	U
delta-BHC	300	0.1	U	0.13	U	2.4	U	2.3	U	12	U	0.12	U	0.13	J
Dieldrin	44	2.4	J M	0.41	U	7.5	U	7.2	U	37	U	1.3	J M	0.36	U
Endosulfan I	900	0.22	J	0.19	U	3.4	U	3.3	U	17	U	0.17	U	0.17	U
Endosulfan II	900	0.24	J M	0.22	U	4	U	3.8	U	20	U	5.6	M	0.19	U
Endosulfan sulfate	1,000	0.18	U	0.22	U	4.1	U	3.9	U	20	U	0.2	U	0.2	U
Endrin	100	0.9	U	1.1	U	21	U	20	U	100	U	1	U	1	U
Endrin aldehyde	NS	3.4	M	0.41	U	7.6	U	7.3	U	37	U	0.37	U	0.37	U
Heptachlor	100	0.54	J	0.19	U	3.5	U	3.4	U	17	U	0.17	U	0.17	U
Heptachlor epoxide	20	1.5	J M	0.15	U	6.3	J	2.6	U	13	U	0.79	J M	0.13	U
Methoxychlor	NS	6.8	J M	2.7	U	50	U	48	U	250	U	2.4	U	2.4	U
alpha-Chlordane	NS	0.59	J	0.14	U	2.6	U	2.5	U	13	U	0.13	U	0.12	U
gamma-Chlordane	NS	1.1	J M	0.12	U	16	J	13	J	12	J	0.1	U	0.1	U
GC Semi VOA - 8082															
PCB-1248	1,000/10,000	38	M	3.4	U	160	U	3	U	3.1	U	29	M	3.1	U
PCB-1254	1,000/10,000	55	M	1.6	U	**12,000**	M	1.4	U	1.4	U	50	M	1.4	U
PCB-1260	1,000/10,000	44	M	5.1	U	**1,400**	M	4.5	U	4.6	U	25	M	4.5	U

Pesticides/PCBs
Soil Samples

Sample ID	NYSDEC	B-4 (0-6)		B-4 (16-18)		B-5 (0-4)		B-5 (14-15)		B-6 (0-4)		B-6 (11-13)		B-7(0-10)	
Lab Sample Number	TAGM 4046	220-3704-3		220-3704-4		220-3704-5		220-3704-6		220-3704-7		220-3704-8		220-3770-1	
Sampling Date	RSCO	12/15/2007		12/15/2007		12/17/2007		12/18/2007		12/18/2007		12/18/2007		12/19/2007	
Dilution Factor		4		1		10		1		10		1		1	
Units	ug/Kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
GC Semi VOA - 8081A															
4,4'-DDD	2,900	7.7	J M	0.44	U	40	J M	3.1	J	5.4	U	0.48	U	0.44	U
4,4'-DDE	2,100	5	J M	0.51	U	5.3	U	1.5	J M	12	J	0.55	U	0.51	U
4,4'-DDT	2,100	7.8	J M	0.36	U	56	M	8.8		36	J M	0.39	U	0.36	U
alpha-BHC	110	1.2	U	0.32	U	17	J M	0.54	J M	3.9	U	0.35	U	0.32	U
beta-BHC	200	1.2	U	0.31	U	3.3	U	0.46	J M	3.8	U	0.34	U	0.31	U
delta-BHC	300	0.45	U	0.12	U	2.6	J M	0.13	U	1.5	U	0.13	U	0.12	U
Dieldrin	44	2.1	J M	0.37	U	7.4	J M	1.4	J M	4.6	U	0.41	U	0.37	U
Endosulfan I	900	0.64	U	0.17	U	1.8	U	0.18	U	2.1	U	0.19	U	0.17	U
Endosulfan II	900	0.74	U	0.2	U	2.1	U	0.21	U	2.4	U	0.22	U	0.2	U
Endosulfan sulfate	1,000	0.75	U	0.2	U	2.1	U	2.3	J M	15	J M	0.22	U	0.2	U
Endrin	100	3.9	U	1	U	11	U	1.1	U	13	U	1.1	U	1	U
Endrin aldehyde	NS	1.4	U	0.38	U	24	J M	0.4	U	23	J M	0.41	U	0.38	U
Heptachlor	100	0.65	U	0.17	U	1.8	U	0.18	U	2.1	U	0.19	U	0.17	U
Heptachlor epoxide	20	0.5	U	0.13	U	1.4	U	0.14	U	1.6	U	0.14	U	0.13	U
Methoxychlor	NS	9.2	U	2.5	U	26	U	2.6	U	230	J M	2.7	U	2.5	U
alpha-Chlordane	NS	0.48	U	0.13	U	1.3	U	0.13	U	1.6	U	0.14	U	0.13	U
gamma-Chlordane	NS	2	J M	0.11	U	26	M	1.2	J M	15	J	0.12	U	0.11	U
GC Semi VOA - 8082															
PCB-1248	1,000/10,000	24	M	3.1	U	43	M	20	J M	16	J M	3.4	U	3.1	U
PCB-1254	1,000/10,000	51	M	1.4	U	260	M	34	M	20	J M	1.5	U	1.4	U
PCB-1260	1,000/10,000	26	M	4.6	U	160	M	21	M	16	J	5.1	U	4.6	U

Pesticides/PCBs
Soil Samples

Sample ID	NYSDEC	B-7(12-14)		B-8(0-4)		B-8(16-17)		B-9(0-4)		B-9(15-16)		B-10(0-4)		B-10(12-14)	
Lab Sample Number	TAGM 4046	220-3770-2		220-3770-6		220-3770-7		220-3770-3		220-3770-5		220-3770-8		220-3770-9	
Sampling Date	RSCO	12/19/2007		12/20/2007		12/21/2007		12/19/2007		12/20/2007		12/21/2007		12/21/2007	
Dilution Factor		1		1		1		1		1		1		1	
Units	ug/Kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
GC Semi VOA - 8081A															
4,4'-DDD	2,900	0.45	U	0.42	U	0.49	U	0.41	U	0.44	U	0.4	U	0.45	U
4,4'-DDE	2,100	0.96	J	2.2	J M	0.56	U *	5.1	M	0.5	U *	0.46	U *	0.51	U *
4,4'-DDT	2,100	1.4	J	1.8	J M	0.4	U	28	M	0.36	U	26	M	2.6	J M
alpha-BHC	110	0.32	U	1.2	J M	0.35	U	0.89	J	0.32	U	0.29	U	0.32	U
beta-BHC	200	0.32	U	0.3	U	0.34	U	0.97	J M	0.31	U	1.9	M	0.32	U
delta-BHC	300	0.12	U	0.11	U	0.13	U	0.11	U	0.12	U	0.11	U	0.12	U
Dieldrin	44	0.38	U	0.35	U	0.41	U	2.4	J M	0.37	U	2.4	J M	1.7	J M
Endosulfan I	900	0.17	U	0.16	U	0.19	U	0.16	U	0.17	U	0.16	U	0.17	U
Endosulfan II	900	0.38	J M	1.6	J M	0.22	U	1.1	J M	0.2	U	1.1	J M	1.2	J
Endosulfan sulfate	1,000	0.2	U	0.85	J M	0.22	U	1.9	J M	0.2	U	0.18	U	0.2	U
Endrin	100	1	U	1.8	J M	1.1	U	0.96	U	1	U	5.9	M	1	U
Endrin aldehyde	NS	0.38	U	3.4	J M	0.41	U	1.4	J M	0.37	U	5.4	M	0.38	U
Heptachlor	100	0.18	U	0.16	U	0.19	U	0.16	U	0.17	U	1.6	J M	0.18	U
Heptachlor epoxide	20	0.13	U	0.13	U	0.15	U	3.6	M	0.13	U	0.12	U	0.13	U
Methoxychlor	NS	2.5	U	9.7	J M	2.7	U	2.3	U	2.4	U	2.2	U	2.5	U
alpha-Chlordane	NS	0.13	U	0.12	U *	0.14	U *	0.12	U	0.13	U *	3.9	*	0.13	U *
gamma-Chlordane	NS	0.11	U	0.76	J M	0.12	U	0.098	U	0.1	U	1.8	M	0.11	U
GC Semi VOA - 8082															
PCB-1248	1,000/10,000	3.2	U	31	M	3.4	U	39	M	3	U	100	M	23	M
PCB-1254	1,000/10,000	1.4	U	1.3	U	1.5	U	88	M	1.4	U	68	M	14	J M
PCB-1260	1,000/10,000	4.7	U	7	J M	5.1	U	57	M	4.5	U	33	M	4.6	U

Metals
Soil Samples

Sample ID	NYSDEC	US Eastern	B-1(0-4)		B-1(14-15)		B-2(0-4)		B-2(7-8)		B-2(14-15)		B-3 (0-6)		B-3 (14-16)		B-4 (0-6)	
Lab Sample Numbe	TAGM 4046	Background	220-3673-1		220-3673-2		220-3673-3		220-3673-4		220-3673-5		220-3704-1		220-3704-2		220-3704-3	
Sampling Date	RSCO	Range	12/14/2007		12/14/2007		12/14/2007		12/14/2007		12/14/2007		12/15/2007		12/15/2007		12/15/2007	
Dilution Factor			1		1		1		1		1		1		1		1	
Units	ug/Kg	ug/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Metals																		
Silver	SB	NA	1.2	J	0.42	U	0.33	U	0.33	U	0.35	U	0.42	U	0.38	U	0.3	U
Aluminum	SB	33,000	7,650		13,200		4,530		7,370		6,580		5,080		4,820		4,910	
Arsenic	7.5 or SB	3-12	**74**		5.2	J	**17.7**		1.8	J	1.6	U	11.3		2.4	J	**25.9**	
Barium	300 or SB	15-600	95.1		46.6		167		24.2		55.9		63.9		37.2		44.9	
Beryllium	0.16 or SB	0-1.75	0.46	J	0.65	U	0.5	U	0.51	U	0.54	U	0.64	U	0.59	U	0.46	U
Calcium	SB	13-35,000	5,990		958		5,950		535		1,200		**35,700**		732		17,300	
Cadmium	1 or SB	0.1-1	**1.3**	J	1.3	U	**3.1**	J	1	U	1.1	U	**4.6**	J	1.2	U	0.94	J
Cobalt	30 or SB	2.5-60	5.7		4		7.6		6.2		18.4		6.6		6.6		5.1	
Chromium	10 or SB	1.5-40	20.7		19.2		29.2		10.5		18.7		35.2		17.2		34.6	
Copper	25 or SB	1-50	**73.2**		16.2		**137**		9.2		**72.5**		30.7		17		31.6	
Iron	2,000 or SB	2,000-550,000	26,100		13,000		21,200		13,400		26,200		16,600		25,400		12,900	
Potassium	SB	8,500-43,000	806		1,050		445		639		1,160		868		794		741	
Magnesium	SB	100-5,000	3,360		3,100		1,380		2,220		1,850		**10,100**		1,480		2,010	
Manganese	SB	50-5,000	255		141		286		138		798		250		449		178	
Sodium	SB	6,000-8,000	330		283		422		89.9	J	135	J	603		84.7	J	227	
Nickel	13 or SB	0.5-25	17.1		12.4		24.3		13.2		12.9		27		8.9		18.4	
Lead	SB	200-500*	**12,000**		9.4		**556**		6.3		7.3		42.1		6.8		44.9	
Antimony	SB	NA	7.4	J	1.9	U	4	J	1.5	U	1.6	U	2.3	J	1.8	U	1.4	U
Selenium	2 or SB	0.1-3.9	1.9	J	2.3	U	2.5	J	1.8	U	1.9	U	2.3	U	2.1	U	1.6	U
Thallium	SB	NA	2	U	3.1	U	2.4	U	2.4	U	2.6	U	3.1	U	2.8	U	2.2	U
Vanadium	150 or SB	1-300	24.4		24.9		30.6		16		39.1		18.9		33.1		18.9	
Zinc	20 or SB	9-50	**236**		35.5		**964**		33		33.5		**172**		29.6		**70.5**	
Mercury	0.1 or SB	0.001-0.2	0.2		0.025	J	1.1		0.014	U	0.014	U	0.1		0.013	U	0.14	

Metals
Soil Samples

Sample ID	NYSDEC	US Eastern	B-4 (16-18)		B-5 (0-4)		B-5 (14-15)		B-6 (0-4)		B-6 (11-13)		B-7(0-10)		B-7(12-14)		B-8(0-4)		B-8(16-17)	
Lab Sample Numbe	TAGM 4046	Background	220-3704-4		220-3704-5		220-3704-6		220-3704-7		220-3704-8		220-3770-1		220-3770-2		220-3770-6		220-3770-7	
Sampling Date	RSCO	Range	12/15/2007		12/17/2007		12/18/2007		12/18/2007		12/18/2007		12/19/2007		12/19/2007		12/20/2007		12/21/2007	
Dilution Factor			1		1		1		1		1		1		1		1		1	
Units	ug/Kg	ug/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Metals																				
Silver	SB	NA	0.34	U	0.35	U	0.37	U	0.43	U	0.37	U	0.38	U	0.31	U	0.28	U	0.34	U
Aluminum	SB	33,000	5,580		7,170		9,160		5,760		23,200		9,310		8,480		7,870		14,800	
Arsenic	7.5 or SB	3-12	7.2	J	9.8		**19.3**		**17.5**		5.4	J	**14.8**		5.7	J	3.2	J	2.7	J
Barium	300 or SB	15-600	58.4		61.5		115		92.7		186		37.4		78.3		59.9		98.3	
Beryllium	0.16 or SB	0-1.75	0.51	U	0.54	U	0.59	J	0.66	U	1.3	J	0.71	J	0.52	J	0.45	J	0.83	J
Calcium	SB	13-35,000	334		2,630		15,700		**52,900**		3,100		1,010		9,060		18,100		1,770	
Cadmium	1 or SB	0.1-1	1	U	3	J	**1.7**	J	1.3	U	1.1	U	1.2	U	0.94	U	0.85	U	1.1	U
Cobalt	30 or SB	2.5-60	6.3		7		8.6		6.5		19.4		12.2		7.9		6.2		13.3	
Chromium	10 or SB	1.5-40	31		25.4		36.7		**69.1**		**83.9**		22.8		16.4		19		35.3	
Copper	25 or SB	1-50	23		**83.1**		**89.5**		**102**		43.3		14.7		**96**		30.7		27.4	
Iron	2,000 or SB	2,000-550,000	36,400		25,100		23,200		20,300		43,800		52,300		29,400		22,000		28,500	
Potassium	SB	8,500-43,000	993		1,020		1,200		917		6,430		1,040		926		1,540		3,890	
Magnesium	SB	100-5,000	1,590		2,410		**5,360**		4,980		**9,720**		1,940		2,640		3,490		**6,050**	
Manganese	SB	50-5,000	349		263		301		331		592		453		1110		341		251	
Sodium	SB	6,000-8,000	324		202	J	543		597		144	J	61.6	J	480		453		211	J
Nickel	13 or SB	0.5-25	14.9		23.7		**26.6**		**29.5**		**44.6**		13.4		12.3		13.5		**29.6**	
Lead	SB	200-500*	7.2		139		123		181		16.1		5.8	J	13.7		76.8		11.4	
Antimony	SB	NA	1.5	U	1.6	U	1.7	U	2	U	1.7	U	1.8	U	1.4	U	1.3	U	1.6	U
Selenium	2 or SB	0.1-3.9	2.1	J	1.9	U	2	U	2.3	U	2.3	J	2.1	U	1.7	U	1.5	U	1.9	U
Thallium	SB	NA	2.5	J	2.6	U	2.7	U	3.2	U	2.7	U	3.5	J	3.1	J	2	U	2.5	U
Vanadium	150 or SB	1-300	41		34.1		32.7		27.2		77.8		31.9		27.4		28.4		45.6	
Zinc	20 or SB	9-50	35		**337**		**183**		**398**		**123**		38.9		**86.7**		**59.3**		**70.7**	
Mercury	0.1 or SB	0.001-0.2	0.014	U	0.3		0.08		0.16		0.02	J	0.013	U	0.015	U	0.43		0.015	U

Metals
Soil Samples

Sample ID	NYSDEC	US Eastern	B-9(0-4)		B-9(15-16)		B-10(0-4)		B-10(12-14)	
Lab Sample Numbe	TAGM 4046	Background	220-3770-3		220-3770-5		220-3770-8		220-3770-9	
Sampling Date	RSCO	Range	12/19/2007		12/20/2007		12/21/2007		12/21/2007	
Dilution Factor			1		1		1		1	
Units	ug/Kg	ug/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Metals										
Silver	SB	NA	0.35	U	0.3	U	0.38	U	0.3	U
Aluminum	SB	33,000	9,410		12,000		10,400		10,800	
Arsenic	7.5 or SB	3-12	4.7	J	2.9	J	5.5	J	4.5	J
Barium	300 or SB	15-600	205		98.1		79.2		49.6	
Beryllium	0.16 or SB	0-1.75	0.53	U	0.82	J	0.58	U	0.47	J
Calcium	SB	13-35,000	**37,800**		1,220		**51,500**		17,300	
Cadmium	1 or SB	0.1-1	1.1	U	0.91	U	1.2	U	0.91	U
Cobalt	30 or SB	2.5-60	4.2		11.7		3.8		6.1	
Chromium	10 or SB	1.5-40	15.7		31.5		11.7		16.3	
Copper	25 or SB	1-50	34.9		30		24.5		20.1	
Iron	2,000 or SB	2,000-550,000	11,100		35,600		11,000		20,700	
Potassium	SB	8,500-43,000	1,390		2,730		2,080		1,430	
Magnesium	SB	100-5,000	**6,950**		**5,490**		**12,200**		4,600	
Manganese	SB	50-5,000	302		844		481		347	
Sodium	SB	6,000-8,000	1640		124	J	1800		564	
Nickel	13 or SB	0.5-25	12.3		**27.1**		10.3		12.3	
Lead	SB	200-500*	317		9.4		51.3		139	
Antimony	SB	NA	1.6	U	1.4	U	1.7	U	1.4	U
Selenium	2 or SB	0.1-3.9	1.9	U	1.6	U	2.1	U	1.6	U
Thallium	SB	NA	2.5	U	2.6	J	2.8	U	2.2	U
Vanadium	150 or SB	1-300	18.3		48.4		23		25.3	
Zinc	20 or SB	9-50	**175**		**63.5**		**68.2**		42.5	
Mercury	0.1 or SB	0.001-0.2	0.11		0.013	U	0.03	J	0.066	

Volatile Organic Compounds
Groundwater

Sample ID	NYSDEC	MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8		TRIP BLANK	
Lab Sample Number	Class GA	220-3806-1		220-3806-2		220-3806-3		220-3806-4		220-3806-5		220-3806-6		220-3806-7		220-3806-8		220-3806-11	
Sampling Date	AWQV	12/28/2007		12/28/2007		12/28/2007		12/28/2007		12/28/2007		12/28/2007		12/28/2007		12/28/2007		12/28/2007	
Dilution Factor		100		1000		2		20		1		1		1		1		1	
Units	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
GC/MS VOA - 8260B																			
Acetone	50	260	J M B	1,600	U M	5.5	J M B	34	J M B	11	B	1.6	U M	1.6	U M	1.6	U	2.5	J M B
Benzene	1	23	U	230	U	0.46	U	4.6	U	53		0.23	U	0.23	U	0.23	U	0.23	U
Carbon tetrachloride	5	29	U	290	U	0.58	U	69	J	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U
1,1-Dichloroethane	5	23	U	230	U	0.46	U	100	M	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U
1,1-Dichloroethene	5	25	U	250	U	0.5	U	490		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Ethylbenzene	5	28	U	280	U	0.56	U	5.6	U	19		0.28	U	0.28	U	0.28	U	0.28	U
Methylene Chloride	5	26	U M	260	U	1.3	J M	5.2	U	0.26	U	0.26	U	0.26	U	0.26	U	3.9	J B
Tetrachloroethene	5	4,800	B	72,000	B	110	B	820	B	1.1	J B	1.5	J M B	1.8	J B	9.1	B	0.3	U
1,1,1-Trichloroethane	5	38	U	380	U	0.76	U	1400		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Trichloroethene	5	26	U	260	U	5.9	J	82	J	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Xylenes, Total	5	46	U	460	U	0.92	U	9.2	U	16		0.46	U	0.46	U	0.46	U	0.46	U
cis-1,2-Dichloroethene	5	33	U	330	U	4.6	J	130		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

Volatile Organic Compounds
Soil Gas Samples

Sample ID	SG-1		SG-2		SG-3		SG-4		SG-5		SG-6		SG-7		SG-8		SG-9		SG-10		SG-11		SG-12	
Lab Sample No.	735867		735868		735869		735870		735871		735872		735873		736176		736175		736177		735874		735875	
Sampling Date	12/12/2007		12/12/2007		12/12/2007		12/12/2007		12/12/2007		12/12/2007		12/14/2007		12/17/2007		12/17/2007		12/17/2007		12/14/2007		12/14/2007	
Matrix	AIR		AIR		AIR		AIR		AIR		AIR		AIR		AIR		AIR		AIR		AIR		AIR	
Dilution Factor	2		3000		4		1		1		1		1		1		1		1		20.4		3	
Units	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
VOLATILE COMPOUNDS (GC/MS)																								
Dichlorodifluoromethane	4.9	U	7400	U	9.9	U	34		2.5	U	2.5	U	2.6		2.5	U	2.5		2.5	U	49	U	7.4	U
1,3-Butadiene	2.2	U	3300	U	4.4	U	1.1	U	1.1	U	1.1	U	1.1	U	1.4		2.4		1.6		22	U	3.3	U
Trichlorofluoromethane (Freon 11)	11		3400	U	11		13		8.4		8.4		1.3		1.2		1.2		1.5		23	U	3.4	U
Acetone	24	U	36000	U	81		29		67		15		12	U	18		12	U	23		240	U	36	U
Carbon disulfide	3.1	U	4700	U	6.2	U	1.6	U	3		1.6	U	2.4		1.6	U	1.6	U	1.6	U	31	U	4.7	U
1,2-Dichloroethene (trans)	3.7		2400	U	3.2	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	16	U	2.4	U
n-Hexane	4.2		5300	U	7	U	1.8	U	4.9		1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	35	U	5.3	U
1,1-Dichloroethane	1.6	U	2400	U	3.2	U	0.81	U	1.7		0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	17	U	3	
1,2-Dichloroethene (total)	3.7		2400	U	3.2	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	16	U	2.4	U
Methyl ethyl ketone	2.9	U	4400	U	7.7		3.8		9.7		2.1		1.5	U	1.5	U	1.5	U	2		29	U	4.4	U
Chloroform	2	U	2900	U	33		2.8		1.5		10		6.8		10		1.6		29		30		360	
** 1,1,1-Trichloroethane	44		3300	U	9.8		3.5		28		87		1.9		1.1	U	1.1	U	1.1	U	22	U	11	
Cyclohexane	2.2		2100	U	2.8	U	0.69	U	1.9		2.2		0.89		0.89		0.69	U	0.69	U	14	U	2.1	U
Carbon tetrachloride	2.5	U	3800	U	10		4.3		4.9		9.4		1.3	U	7.5		1.3	U	30		26	U	8.8	
2,2,4-Trimethylpentane	2.4		2800	U	3.7	U	0.93	U	1.2		0.98		0.93	U	0.93	U	0.93	U	0.93	U	19	U	2.8	U
Benzene	4.5		1900	U	14		1.9		8.9		2.7		1.8		1.7		2.6		1.7		13	U	1.9	U
n-Heptane	5.7		2500	U	5.7		1.3		4.9		2.5		9		1.7		0.82	U	1		17	U	2.5	U
Trichloroethene (TCE)	64		3200	U	86		12		2.4		59		53		2.5		1.1	U	2.4		22	U	86	
Methyl isobutyl ketone	4.1	U	6100	U	8.2	U	2	U	2.6		2	U	2	U	2	U	2	U	2	U	41	U	6.1	U
** Toluene	41		2300	U	330		20		110		7.9		27		72		8.7		14		15	U	5.3	
Tetrachloroethene (PCE)	350		440000		360		160		22		58		31		140		2.7		54		66		150	
Ethylbenzene	8.7		2600	U	120		5.6		36		1.8		2.6		1.9		1		1.4		18	U	2.6	U
Xylene (m,p)	18		6500	U	360		13		110		3.9		8.3		5.6		2.7		4.3		43	U	6.5	U
Xylene (o)	6.1		2600	U	110		5.2		33		1.5		3		2.3		0.96		1.7		18	U	2.6	U
Xylene (m&p)	25		2600	U	480		19		150		5.6		11		8.3		3.7		6.5		18	U	2.6	U
4-Ethyltoluene (p-Ethyltoluene)	3		2900	U	100		3.9		37		1.8		3.4		2.2		0.98	U	2.2		20	U	2.9	U
1,3,5-Trimethylbenzene	2	U	2900	U	36		1.7		13		0.98	U	1.1		0.98	U	0.98	U	0.98	U	20	U	2.9	U
1,2,4-Trimethylbenzene	2.2		2900	U	59		3.4		26		2.2		3.6		2.6		1.2		2.5		20	U	2.9	U

ENVIRONMENTAL CONSULTING & MANAGEMENT
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D R A F T

July 15, 2009

Mr. Michael Bogin
Sive, Paget and Riesel, P.C.
460 Park Avenue
New York, New York 10022

Re: Summary of Analytical Results for the
Sub-Slab and Indoor Air Sampling Investigation
149 Kent Avenue
Brooklyn, New York

Dear Mr. Bogin:

Roux Associates, Inc. (Roux Associates) on behalf of Sive, Paget and Riesel (Client) has prepared this letter report summarizing the field activities and analytical results associated with the sub-slab and indoor air sampling investigation conducted at the warehouse located at 149 Kent Avenue in Brooklyn, New York (Site). The Site is a carpet storage warehouse utilized by Western Carpet. The purpose of this work was to further investigate contamination observed during a subsurface investigation completed by AKRF, Inc. between December 11, 2007 and January 4, 2008, and evaluate the potential impact on indoor air quality. Field activities related to the current investigation performed by Roux Associates were conducted in accordance with the May 12, 2009 Work Plan and included: installation of five permanent sub-slab vapor sampling points, completion of a building survey, and collection of sub-slab vapor, indoor air and outdoor air samples. The sample locations are shown in Figure 1. A summary of the field activities is provided below.

Installation of Sub-Slab Sampling Points

Five permanent sub-slab vapor sampling points (SS-1 through SS-5) were installed in the warehouse on May 30, 2009. The points were made permanent to allow for additional rounds of sampling if necessary. The location and rationale for each of the points are described as follows:

- Three sub-slab sampling points (SS-1 through SS-3) were installed in the northeast section of the warehouse, in the vicinity of the existing groundwater monitoring well MW-2. Based on the analytical results from the AKRF investigation, the highest concentrations of the compound tetrachloroethene (PCE) were detected in the groundwater sample from MW-2, as well as in the adjacent soil and soil gas samples (i.e., SB-2 and SG-2, respectively). Therefore, points SS-1 through SS-3 were installed to investigate the extent of PCE contamination that may be present in the sub-slab air in the vicinity of the subject well. Sampling point SS-1 was installed southwest of MW-2, while sampling points SS-2 and SS-3 were installed southeast of the monitoring well.

- One sub-slab sampling point (SS-4) was installed in the central portion of the warehouse, adjacent to existing monitoring well MW-3. Based on AKRF's analytical results, PCE and its degradation product trichloroethylene (TCE) were detected in the groundwater sample from MW-3 at concentrations above the New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values (NYSDEC AWQSGVs) for Class GA groundwater. As such, sampling point SS-4 was installed to assess sub-slab vapor conditions in the vicinity of the monitoring well, and provide representative data from the central portion of the warehouse.

- One sub-slab sampling point (SS-5) was installed in the southeast section of the warehouse, between existing monitoring wells MW-5 and MW-6. Based on AKRF's analytical results, petroleum-related compounds were detected in the groundwater sample from MW-5 at concentrations above the Class GA standard. Therefore, sampling point SS-5 was installed to assess sub-slab vapor conditions in the vicinity of MW-5, as well as provide representative data from the southeast portion of the building.

Each sub-slab sampling point was installed by first coring a four-inch diameter hole through the floor slab (thickness of the concrete slab ranged between four and seven inches) using an electric-powered, water-cooled concrete coring machine. The six-inch interval of sub-slab soil or aggregate material immediately below the floor slab was removed. A six-inch stainless steel screen connected to inert Teflon ™ tubing was inserted through the borehole, to a maximum depth of six-inches below the bottom of the concrete slab. The annular space was then backfilled with clean sand to the top of the stainless steel screen. Above the sand, hydrated bentonite, followed by a cement seal was used to fill the annular space between the sample tubing and the slab penetration to secure the sample tubing in place and prevent the migration of any potential soil vapor present beneath the slab from entering the warehouse.

The tubing was coiled up and placed inside a flush-mount curb box. The points were sampled three weeks following installation.

Completion of the Indoor Air Quality Questionnaire and Building Inventory

In accordance with the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in New York State (October 2006), an Indoor Air Quality Questionnaire and Building Inventory was completed on May 30, 2009. The building survey evaluated the type of building structure, floor layout, airflow patterns, and the physical condition of the building. Additionally, a product inventory was completed to identify any potential sources of indoor air contamination throughout the building. All information gathered during the pre-sampling building survey and the product inventory was recorded on the NYSDOH Indoor Air Quality Questionnaire and Building Inventory Form, which is presented as Attachment 1. As shown, specific information that was evaluated and noted during the survey included:

1. Building occupant's contact information
2. Building characteristics (e.g., commercial type, number of floors, building age, etc.)
3. Construction characteristics, including foundation cracks, drains and other potential soil vapor entry points
4. Heating, ventilation, and air conditioning systems, including type of heating system, type of fuel used
5. Factors that may influence indoor air quality
6. Type of water supply and sewage disposal

Potential entry points for sub-slab vapor identified during the survey included: cracks in the concrete floor slab, spaces between the flooring and wall joints, and existing groundwater monitoring wells. It is Roux Associates' understanding that Western Carpet staff (current building occupants) sealed the significant floor cracks and the spaces between the flooring and wall joints with grout or joint sealant approximately one week prior to sampling activities.

The majority of materials present within the building included: rolls of carpet, boxes of tiles and carpet samples (opened and closed) and other flooring materials. Also identified during the survey were two large boxes containing four-pound buckets of carpet and rug dry cleaner, a box of 16-ounce aerosol canisters containing stain remover, and other carpet cleaning and floor polishing chemicals in limited quantities. A photoionization detector (PID) was used to help identify potential sources of volatile organic compounds (VOCs).

Materials or chemicals in the building that were found to be stored in a questionable manner (i.e., open containers, yielded positive PID results, emitted an odor, etc.) were controlled (i.e., removed from the building, or containers were tightly closed) to eliminate potential interference. PID readings were relatively low, ranging from non-detect to 4.4 parts per million (ppm) and the most discernible odor in the warehouse was that of new carpet. PID readings were recorded on the NYSDOH Indoor Air Quality Questionnaire and Building Inventory Form.

Photographs were taken as appropriate to document the building survey and product inventory activities and are provided in Attachment 2.

As specified in the NYSDOH guidance document, it was requested that building occupants refrain from the activities listed below, to the best extent practical, for the 24-hour period prior to and during the sampling activities:

- Opening any windows, openings or vents within the building
- Operating any ventilation fans within the building
- Smoking in the building
- Painting within the building
- Using air fresheners or scented candles
- Allowing containers of gasoline or oil to remain within the building, except for fuel oil tanks
- Cleaning, waxing or polishing furniture, floor or other woodwork with petroleum or oil-based products within the building
- Engaging in any activities that use materials containing VOCs within the building
- Lawn mowing or paving
- Applying pesticides
- Using building repair or maintenance products such as caulk or roofing tar

Collection of Sub-Slab Vapor and Indoor and Outdoor Air Samples

Sample collection activities were conducted on June 20, 2009 and included collection of twelve samples as follows:

- Five sub-slab vapor samples (i.e., SS-1 through SS-5) were collected from the newly installed sampling points;
- Five indoor air samples (i.e., IA-1 through IA-5) were collected concurrently with and adjacent to each sub-slab sampling point (e.g. IA-1 was collected adjacent to SS-1, and so on.);
- One outdoor air sample (i.e., AMB-062009) was also collected concurrently with the sub-slab vapor and indoor air samples. The sample was located adjacent to the building entrance on Kent Avenue (between North 5th and North 6th Streets); and
- One blind duplicate sample, (i.e., DUP-062009/IA-5 DUP), was collected as an additional quality assurance method at indoor air sample location IA-5.

The sampling locations are shown on Figure 1. All samples were collected in accordance with the October 2006 NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH Guidance).

<u>Collection of Sub-slab Vapor Samples</u>

Sub-slab vapor sampling was performed utilizing the following procedure:

1. New Teflon™-lined tubing was used to connect the sample tubing to a vacuum pump. The sample tubing was then purged of approximately three volumes of air with the pump set at a rate of approximately 0.2 liters per minute or less.

2. To verify that ambient air would not dilute the sub-slab vapor sample during collection, each sampling point was tested with a tracer gas (helium) prior to sampling. A plastic container (i.e., bucket) was sealed over the sampling point and helium was injected into the bucket to enrich the interior of the bucket with the tracer gas. Both the purge volume from the sample tubing and the helium-enriched area within the bucket were screened for the tracer gas. The tracer gas was measured utilizing a Gas Check 3000 (by Ion Science) meter. If the screening results showed that the rate of helium detected in the sample tubing was greater than 10% of that found in the bucket, the seals around the sampling equipment would have been reset and the sample tubing purged again. The screening data is shown on the sampling forms provided in Attachment 3. No leaks were detected during this sampling event.

3. Following the purging and tracer gas verification steps, the sample tubing was connected to a laboratory cleaned and evacuated six-liter SUMMA canister equipped with a flow-controller pre-calibrated to allow the sample to be collected over an 8-hour period.

4. Upon completion of sample collection, the sample tubing was capped below grade within the flush-mount enclosure to allow for subsequent sampling events.

All sub-slab samples were submitted under chain-of-custody procedures to TestAmerica Laboratories in Burlington, Vermont, which is part of the Environmental Laboratory Approved Program (ELAP) certified by the NYSDOH. The soil vapor samples were analyzed for VOCs using United States Environmental Protection Agency (USEPA) Method TO-15.

Collection of Indoor and Outdoor Air Samples

Indoor and outdoor air samples were collected concurrently with the sub-slab vapor samples. The indoor air samples were collected within two feet of each sub-slab location. The outdoor air sample was collected adjacent to the building entrance on 6th Street between Kent and Wythe Avenues. The samples were collected at a height approximately three to four feet above the ground (a height representing the approximate breathing zone).

Both indoor and outdoor air samples were collected using a six-liter SUMMA canister equipped with a pre-calibrated flow controller that allowed for sample collection over an eight hour period and therefore was representative of a typical work shift. All samples were submitted under chain-of-custody procedures to TestAmerica Laboratories in Burlington, Vermont. Similar to the sub-slab vapor samples, indoor and outdoor air samples were also analyzed for VOCs using USEPA Method TO-15. As previously stated one duplicate indoor air sample was collected immediately adjacent to sample IA-5.

During the collection of all samples, the field-sampling team maintained log sheets of the samples, summarizing the sample identification, date and time of sample collection, identity of samplers, helium testing results, vacuum of canisters before and after sampling and sample analyses. All testing was completed in accordance with the NYSDOH Guidance. The log sheets (i.e. sampling forms) are included as Attachment 3.

Sub-slab Vapor, Indoor Air and Outdoor Air Sampling Results

As previously stated, the purpose of this investigation was to further investigate contamination (primarily of the chlorinated VOCs [CVOCs] PCE and TCE) observed during a previous investigation, and the potential impact on indoor air quality within the warehouse at 149 Kent Avenue. Sub-slab vapor and corresponding indoor air samples were collected for analysis from five locations within the warehouse. In addition, one outdoor ambient air

sample was collected adjacent to the building entrance on Kent Avenue. Concentrations of targeted VOCs (obtained by the analytical method TO-15) in the sub-slab vapor, indoor and outdoor air samples were detected at all sample locations.

A summary of the analytical data is provided in Table 1. As shown, the data is compared to the Occupational, Safety and Health Administration (OSHA) permissible exposure limits (PELs) and to the NYSDOH air guideline values, where applicable.

It should be noted, that in the State of New York there are no existing standards, guidelines or values for evaluating concentrations of VOCs in sub-slab vapor. However, within the NYSDOH Guidance, two decision matrices are provided to evaluate the potential for soil vapor intrusion by comparing sub-slab vapor concentrations with indoor air concentrations for four compounds: TCE, PCE, carbon tetrachloride and 1,1,1,-trichloroethane (1,1,1-TCA). Two of these compounds, TCE and PCE, are primary compounds of concern at the Site. However, our evaluation of the analytical results will assess all four compounds.

The concentrations of TCE, carbon tetrachloride, PCE, and 1,1,1-TCA within the sub-slab vapor and indoor air at each sampling location are provided below:

	TCE		**Carbon Tetrachloride**		**PCE**		**1,1,1-TCA**	
Sub-slab/Indoor Air Sample (SS/IA) ID	**SS**	**IA**	**SS**	**IA**	**SS**	**IA**	**SS**	**IA**
SS-1 / IA-1	5100	ND	ND	ND	95000	16	ND	ND
SS-2 / IA-2	16	ND	2.1	ND	150	20	5.1	ND
SS-3 / IA-3	41	ND	ND	ND	450	18	7.6	ND
SS-4 / IA-4	110	ND	25	ND	430	7.5	21	ND
SS-5 / IA-5	31	ND (ND)	10	ND (ND)	140	4 (4.2)	190	ND (ND)

Notes:
- Concentrations are in micrograms per cubic meter (µg/m3).
- Numbers in parentheses are results as reported for the duplicate sample.
- ND indicates compound not detected.
- 1,1,1,-TCA – 1,1,1-Trichloroethane

To further evaluate the indoor air quality within the warehouse, the concentrations of TCE and PCE were used in conjunction with the NYSDOH decision matrices (Matrix 1 for TCE and Matrix 2 for PCE). The matrices provide recommendations to indicate that no further action is needed, conduct reasonable and practical actions to identify source(s) and reduce exposures, conduct future monitoring of indoor air concentrations, or to mitigate the potential exposures to soil vapor. The results of this comparison indicate the following actions as provided in the table below:

	Action Required by NYSDOH Matrices and Associated Compound which Triggers Action			
Sub-slab / Indoor Air ID	**TCE (Decision Matrix 1)**	**Carbon Tetrachloride (Decision Matrix 1)**	**PCE (Decision Matrix 2)**	**1,1,1- TCA (Decision Matrix 2)**
SS-1 / IA-1	Mitigate	NFA	Mitigate	NFA
SS-2 / IA-2	NFA	NFA	Monitor/Mitigate	NFA
SS-3 / IA-3	NFA	NFA	Monitor/Mitigate	NFA
SS-4 / IA-4	Monitor	NFA	Monitor/Mitigate	NFA
SS-5 / IA-5	NFA	NFA	Monitor/Mitigate	Monitor

Explanations of the recommendations are as provided by the NYSDOH.
NFA – No further action is required.
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 exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurizing 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.

Based on the recommendations provided in the table above, mitigation at the Site would be necessary based on the concentrations of TCE and PCE.

In addition to the four compounds discussed above, a total of 19 other compounds were also detected in the sub-slab and indoor air samples. Excluding TCE, carbon tetrachloride, PCE and 1,1,1-TCA, there were between 2 and 19 compounds detected in any one sample, and included, but were not limited to:

- additional CVOCs: 1,2-dichloroethene, trichlorofluoromethane
- petroleum related compounds: benzene, toluene, ethylbenzene, and xylenes (BTEX), 2,2,4-trimethylpentane, n-hexane, n-heptane and cyclohexane

Fifteen of the nineteen compounds detected in the sub-slab vapor and indoor air samples were also detected in the outdoor air sample. However, several compounds (including PCE) were detected at higher concentrations in the indoor air samples.

Table 1 compares indoor air values to OSHA PELs and NYSDOH air guideline values. The PELs are a set of values based on an eight-hour time weighted average exposure, which are enforced to protect workers against the health effects of exposure to hazardous substances. PELs are regulatory limits on the amount or concentration of a substance in the air. As shown in Table 1, the concentrations of the compounds in indoor air do not exceed any of their respective OSHA PELs, and therefore are not considered to pose an immediate threat to the health of the workers. In addition, none of the indoor air samples exceed the applicable NYSDOH air guideline values.

If you have any questions concerning this report, please do not hesitate to contact the undersigned. Roux Associates appreciates the opportunity to have provided environmental services to Sive, Paget and Riesel, P.C.

Sincerely,

ROUX ASSOCIATES, INC.

Joseph D. Duminuco
Principal Hydrogeologist/
Vice President

Attachments

Table 1. Summary of Volatile Organic Compounds in Air Samples, 149 Kent Avenue, Brooklyn, New York

DRAFT

Parameter (Concentrations in µg/m³)	Air Guideline Values Derived by NYSDOH (µg/m³)	OSHA PEL (µg/m³)	**Sample Designation:** / **Sample Date:**	AMB-062009 06/20/09	SS-1 06/20/09	IA-1 06/20/09	SS-2 06/20/09	IA-2 06/20/09
1,1,1-Trichloroethane	100 [1]	1,900,000		1.1 U	600 U	1.1 U	5.1	1.1 U
1,1,2,2-Tetrachloroethane	NA	35,000		1.4 U	760 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloroethane	NA	45,000		1.1 U	600 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	NA	400,000		0.81 U	450 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	NA	790,000		0.79 U	440 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	NA	NA		3.7 U	2000 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	NA	NA		0.98 U	540 U	1.2	3.8	1.2
1,2-Dibromoethane	NA	[2]		1.5 U	850 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	NA	300,000		1.2 U	660 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NA	[2]		0.81 U	450 U	0.81 U	0.81 U	0.81 U
1,2-Dichloroethene (total)	NA	NA		0.79 U	7500	0.79 U	0.79 U	0.79 U
1,2-Dichloropropane	NA	350,000		0.92 U	510 U	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	NA	NA		1.4 U	770 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene	NA	NA		0.98 U	540 U	0.98 U	1.2	0.98 U
1,3-Butadiene	NA	NA		1.1 U	600 U	1.1 U	1.1 U	1.1 U
1,3-Dichlorobenzene	NA	NA		1.2 U	660 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NA	450,000		1.2 U	660 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NA	NA		18 U	9700 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	NA	NA		2.2	510 U	2.1	1.3	1.9
2-Butanone (MEK)	NA	590,000		2.7	800 U	2.4	2.9	2.5
2-Chlorotoluene	NA	NA		1 U	570 U	1 U	1 U	1 U
2-Hexanone	NA	410,000		2 U	1100 U	2 U	2 U	2 U
3-Chloropropene	NA	NA		1.6 U	850 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	NA	NA		0.98 U	540 U	0.98 U	0.98 U	0.98 U
4-Methyl-2-pentanone (MIBK)	NA	410,000		2 U	1100 U	2 U	2	2 U
Acetone	NA	2,400,000		19	6400 U	29	12 U	29
Benzene	NA	31,947		1.6	350 U	1.9	1.2	1.7
Bromodichloromethane	NA	NA		1.3 U	740 U	1.3 U	1.3 U	1.3 U
Bromoethene	NA	NA		0.87 U	480 U	0.87 U	0.87 U	0.87 U
Bromoform	NA	NA		2.1 U	1100 U	2.1 U	2.1 U	2.1 U
Bromomethane	NA	NA		0.78 U	430 U	0.78 U	0.78 U	0.78 U
Carbon disulfide	NA	62,282		1.6 U	840 U	1.6 U	8.7	1.6 U
Carbon tetrachloride	5 [1]	65,000		1.3 U	690 U	1.3 U	2.1	1.3 U
Chlorobenzene	NA	350,000		0.92 U	510 U	0.92 U	0.92 U	0.92 U
Chloroethane	NA	2,600,000		1.3 U	710 U	1.3 U	1.3 U	1.3 U
Chloroform	NA	240,000		0.98 U	540 U	0.98 U	1.4	0.98 U
Chloromethane	NA	206,503		1.3	560 U	1.8	1 U	1.3
cis-1,2-Dichloroethene	NA	NA		0.79 U	7500	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	NA	NA		0.91 U	500 U	0.91 U	0.91 U	0.91 U

Table 1. Summary of Volatile Organic Compounds in Air Samples, 149 Kent Avenue, Brooklyn, New York

DRAFT

Parameter (Concentrations in µg/m^3)	Air Guideline Values Derived by NYSDOH (µg/m³)	OSHA PEL (µg/m³)	**Sample Designation:** / **Sample Date:**	AMB-062009 06/20/09	SS-1 06/20/09	IA-1 06/20/09	SS-2 06/20/09	IA-2 06/20/09
Cyclohexane	NA	1,050,000		0.69 U	380 U	0.69 U	0.69	0.69 U
Dibromochloromethane	NA	NA		1.7 U	940 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NA	4,950,000		3.2	1300 U	3.1	3	2.8
Ethylbenzene	NA	435,000		1.2	480 U	1.5	4.8	1.4
Freon TF	NA	7,600,000		1.5 U	840 U	1.5 U	1.5 U	1.5 U
Hexachlorobutadiene	NA	NA		2.1 U	1200 U	2.1 U	2.1 U	2.1 U
Isopropyl Alcohol	NA	NA		12 U	6600 U	12 U	12 U	12 U
m+p-Xylene	NA	435,000		3.6	1200 U	3.8	17	3.7
Methylene chloride	60	86,840		5.6	940 U	1.7 U	1.7 U	1.7 U
MTBE	NA	NA		1.8 U	970 U	1.8 U	1.8 U	1.8 U
n-Heptane	NA	NA		0.98	450 U	1.2	1.1	1.1
n-Hexane	NA	NA		1.8 U	950 U	1.9	3	1.8
o-Xylene	NA	435,000		1.1	480 U	1.3	4.8	1.2
Styrene	NA	426,012		0.85 U	470 U	1.6	1.1	1.4
t-Butyl Alcohol	NA	NA		15 U	8200 U	15 U	15 U	15 U
Tetrachloroethene	100	670,000		1.9	**95000**	16	**150**	20
Tetrahydrofuran	NA	590,000		15 U	8000 U	15 U	15 U	15 U
Toluene	NA	753,620		6	410 U	7.9	9	7.5
trans-1,2-Dichloroethene	NA	NA		0.79 U	440 U	0.79 U	0.79 U	0.79 U
trans-1,3-Dichloropropene	NA	NA		0.91 U	500 U	0.91 U	0.91 U	0.91 U
Trichloroethene	5	535,000		1.1 U	**5100**	1.1 U	**16**	1.1 U
Trichlorofluoromethane	NA	5,600,000		3	620 U	12	30	11
Vinyl chloride	NA	2,560		0.51 U	280 U	0.51 U	0.51 U	0.51 U
Xylenes (total)	NA	NA		4.8	480 U	5.2	23	5.2

[1] Air guideline values derived by the NYSDOH.

[2] Values are equal to the Permissible Exposures Limits (PELs) presented by the Occupational Safety and Health Administration (OSHA) in Tables Z-1 and Z-2 of 29 CFR 1910.1000, last updated February 28, 2006.

NA - Not available

µg/m^3 - Micrograms per cubic meter

U - Not detected

Bold - Value exceeds Air Guideline Values Derived by New York State Department of Health (NYSDOH)

Italics - Value exceeds OSHA PELs

Table 1. Summary of Volatile Organic Compounds in Air Samples, 149 Kent Avenue, Brooklyn, New York

DRAFT

Parameter (Concentrations in µg/m³)	Air Guideline Values Derived by NYSDOH (µg/m³)	OSHA PEL (µg/m³)	**Sample Designation:** / **Sample Date:**	SS-3 06/20/09	IA-3 06/20/09	SS-4 06/20/09	IA-4 06/20/09	SS-5 06/20/09	IA-5 06/20/09
1,1,1-Trichloroethane	100 [1]	1,900,000		7.6	1.1 U	21	1.1 U	**190**	1.1 U
1,1,2,2-Tetrachloroethane	NA	35,000		3.4 U	1.4 U	3.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloroethane	NA	45,000		2.7 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	NA	400,000		2 U	0.81 U	2 U	0.81 U	11	0.81 U
1,1-Dichloroethene	NA	790,000		2 U	0.79 U	2 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	NA	NA		9.6 U	3.7 U	9.6 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	NA	NA		3.5	1.3	3	0.98 U	3.7	1.2
1,2-Dibromoethane	NA	[2]		3.8 U	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	NA	300,000		3 U	1.2 U	3 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NA	[2]		2 U	0.81 U	2 U	0.81 U	0.81 U	1.6
1,2-Dichloroethene (total)	NA	NA		3.8	0.79 U	2.2	0.79 U	0.79 U	0.79 U
1,2-Dichloropropane	NA	350,000		2.3 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	NA	NA		3.5 U	1.4 U	3.5 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene	NA	NA		2.5 U	0.98 U	2.5 U	0.98 U	1.2	0.98 U
1,3-Butadiene	NA	NA		2.9 U	1.1 U	2.9 U	1.1 U	1.1 U	1.1 U
1,3-Dichlorobenzene	NA	NA		3 U	1.2 U	3 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NA	450,000		3 U	1.2 U	3 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NA	NA		47 U	18 U	47 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	NA	NA		2.3 U	1.9	2.3 U	1.7	0.93 U	1.7
2-Butanone (MEK)	NA	590,000		3.8 U	4.4	3.8 U	2.2	2.9	4.4
2-Chlorotoluene	NA	NA		2.6 U	1 U	2.6 U	1 U	1 U	1 U
2-Hexanone	NA	410,000		5.3 U	2 U	5.3 U	2 U	2 U	2 U
3-Chloropropene	NA	NA		4.1 U	1.6 U	4.1 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	NA	NA		2.5 U	0.98 U	2.5 U	0.98 U	0.98 U	0.98 U
4-Methyl-2-pentanone (MIBK)	NA	410,000		5.3 U	2 U	5.3 U	2 U	2 U	2 U
Acetone	NA	2,400,000		31 U	38	31 U	23	12 U	45
Benzene	NA	31,947		1.6	1.8	1.6 U	1.5	0.67	1.6
Bromodichloromethane	NA	NA		3.4 U	1.3 U	3.4 U	1.3 U	1.3 U	1.3 U
Bromoethene	NA	NA		2.2 U	0.87 U	2.2 U	0.87 U	0.87 U	0.87 U
Bromoform	NA	NA		5.2 U	2.1 U	5.2 U	2.1 U	2.1 U	2.1 U
Bromomethane	NA	NA		1.9 U	0.78 U	1.9 U	0.78 U	0.78 U	0.78 U
Carbon disulfide	NA	62,282		31	1.6 U	22	1.6 U	29	1.6 U
Carbon tetrachloride	5 [1]	65,000		3.1 U	1.3 U	**25**	1.3 U	**10**	1.3 U
Chlorobenzene	NA	350,000		2.3 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U
Chloroethane	NA	2,600,000		3.4 U	1.3 U	3.4 U	1.3 U	1.3 U	1.3 U
Chloroform	NA	240,000		2.7	0.98 U	22	0.98 U	23	0.98 U
Chloromethane	NA	206,503		2.7 U	1.4	2.7 U	1.3	1 U	1.4
cis-1,2-Dichloroethene	NA	NA		3.8	0.79 U	2.2	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	NA	NA		2.3 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U

Table 1. Summary of Volatile Organic Compounds in Air Samples, 149 Kent Avenue, Brooklyn, New York

DRAFT

Parameter (Concentrations in µg/m³)	Air Guideline Values Derived by NYSDOH (µg/m³)	OSHA PEL (µg/m³)	**Sample Designation:** / **Sample Date:**	SS-3 06/20/09	IA-3 06/20/09	SS-4 06/20/09	IA-4 06/20/09	SS-5 06/20/09	IA-5 06/20/09
Cyclohexane	NA	1,050,000		1.7 U	1.5	1.7 U	0.69 U	0.69 U	0.69 U
Dibromochloromethane	NA	NA		4.3 U	1.7 U	4.3 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NA	4,950,000		6.4 U	3.2	6.9	2.9	3.9	2.9
Ethylbenzene	NA	435,000		5.6	1.8	5.2	1.1	4.8	1.9
Freon TF	NA	7,600,000		3.8 U	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U
Hexachlorobutadiene	NA	NA		5.3 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U
Isopropyl Alcohol	NA	NA		32 U	12 U	32 U	12 U	12 U	12 U
m+p-Xylene	NA	435,000		22	4.3	20	2.8	17	3.4
Methylene chloride	60	86,840		4.5 U	1.7 U	4.5 U	1.7 U	1.7 U	1.9
MTBE	NA	NA		4.7 U	1.8 U	4.7 U	1.8 U	1.8 U	1.8 U
n-Heptane	NA	NA		2 U	1.4	2 U	0.94	1	1.3
n-Hexane	NA	NA		4.6 U	2.5	4.6 U	1.8 U	2.5	1.8 U
o-Xylene	NA	435,000		6.1	1.4	5.2	0.96	4.8	1.1
Styrene	NA	426,012		2.1 U	1.7	2.1 U	1.2	0.94	1.7
t-Butyl Alcohol	NA	NA		39 U	15 U	39 U	15 U	15 U	15 U
Tetrachloroethene	100	670,000		**450**	18	**430**	7.5	**140**	4
Tetrahydrofuran	NA	590,000		38 U	15 U	38 U	15 U	15 U	15 U
Toluene	NA	753,620		9.8	12	4.5	6.4	6.4	7.9
trans-1,2-Dichloroethene	NA	NA		2 U	0.79 U	2 U	0.79 U	0.79 U	0.79 U
trans-1,3-Dichloropropene	NA	NA		2.3 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U
Trichloroethene	5	535,000		**41**	1.1 U	**110**	1.1 U	**31**	1.1 U
Trichlorofluoromethane	NA	5,600,000		31	11	29	9	34	12
Vinyl chloride	NA	2,560		1.3 U	0.51 U	1.3 U	0.51 U	0.51 U	0.51 U
Xylenes (total)	NA	NA		29	5.6	26	3.8	23	4.8

[1] Air guideline values derived by the NYSDOH.

[2] Values are equal to the Permissible Exposures Limits (PELs) presented by the Occupational Safety and Health Administration (OSHA) in Tables Z-1 and Z-2 of 29 CFR 1910.1000, last updated February 28, 2006.

NA - Not available

µg/m³ - Micrograms per cubic meter

U - Not detected

Bold - Value exceeds Air Guideline Values Derived by New York State Department of Health (NYSDOH)

Italics - Value exceeds OSHA PELs

Table 1. Summary of Volatile Organic Compounds in Air Samples, 149 Kent Avenue, Brooklyn, New York

DRAFT

Parameter (Concentrations in µg/m^3)	Air Guideline Values Derived by NYSDOH (µg/m³)	OSHA PEL (µg/m³)	**Sample Designation:** IA-5 DUP **Sample Date:** 06/20/09
1,1,1-Trichloroethane	100 [1]	1,900,000	1.1 U
1,1,2,2-Tetrachloroethane	NA	35,000	1.4 U
1,1,2-Trichloroethane	NA	45,000	1.1 U
1,1-Dichloroethane	NA	400,000	0.81 U
1,1-Dichloroethene	NA	790,000	0.79 U
1,2,4-Trichlorobenzene	NA	NA	3.7 U
1,2,4-Trimethylbenzene	NA	NA	1.3
1,2-Dibromoethane	NA	[2]	1.5 U
1,2-Dichlorobenzene	NA	300,000	1.2 U
1,2-Dichloroethane	NA	[2]	1.6
1,2-Dichloroethene (total)	NA	NA	0.79 U
1,2-Dichloropropane	NA	350,000	0.92 U
1,2-Dichlorotetrafluoroethane	NA	NA	1.4 U
1,3,5-Trimethylbenzene	NA	NA	0.98 U
1,3-Butadiene	NA	NA	1.1 U
1,3-Dichlorobenzene	NA	NA	1.2 U
1,4-Dichlorobenzene	NA	450,000	1.2 U
1,4-Dioxane	NA	NA	18 U
2,2,4-Trimethylpentane	NA	NA	1.8
2-Butanone (MEK)	NA	590,000	2.9
2-Chlorotoluene	NA	NA	1 U
2-Hexanone	NA	410,000	2 U
3-Chloropropene	NA	NA	1.6 U
4-Ethyltoluene	NA	NA	0.98 U
4-Methyl-2-pentanone (MIBK)	NA	410,000	2 U
Acetone	NA	2,400,000	38
Benzene	NA	31,947	1.6
Bromodichloromethane	NA	NA	1.3 U
Bromoethene	NA	NA	0.87 U
Bromoform	NA	NA	2.1 U
Bromomethane	NA	NA	0.78 U
Carbon disulfide	NA	62,282	1.6 U
Carbon tetrachloride	5 [1]	65,000	1.3 U
Chlorobenzene	NA	350,000	0.92 U
Chloroethane	NA	2,600,000	1.3 U
Chloroform	NA	240,000	0.98 U
Chloromethane	NA	206,503	1.3
cis-1,2-Dichloroethene	NA	NA	0.79 U
cis-1,3-Dichloropropene	NA	NA	0.91 U

Table 1. Summary of Volatile Organic Compounds in Air Samples, 149 Kent Avenue, Brooklyn, New York

DRAFT

Parameter (Concentrations in µg/m^3)	Air Guideline Values Derived by NYSDOH (µg/m³)	OSHA PEL (µg/m³)	**Sample Designation:** IA-5 DUP **Sample Date:** 06/20/09
Cyclohexane	NA	1,050,000	0.69 U
Dibromochloromethane	NA	NA	1.7 U
Dichlorodifluoromethane	NA	4,950,000	3.2
Ethylbenzene	NA	435,000	2
Freon TF	NA	7,600,000	1.5 U
Hexachlorobutadiene	NA	NA	2.1 U
Isopropyl Alcohol	NA	NA	12 U
m+p-Xylene	NA	435,000	3.6
Methylene chloride	60	86,840	2.1
MTBE	NA	NA	1.8 U
n-Heptane	NA	NA	1.2
n-Hexane	NA	NA	1.8 U
o-Xylene	NA	435,000	1.3
Styrene	NA	426,012	1.7
t-Butyl Alcohol	NA	NA	15 U
Tetrachloroethene	100	670,000	4.2
Tetrahydrofuran	NA	590,000	15 U
Toluene	NA	753,620	8.3
trans-1,2-Dichloroethene	NA	NA	0.79 U
trans-1,3-Dichloropropene	NA	NA	0.91 U
Trichloroethene	5	535,000	1.1 U
Trichlorofluoromethane	NA	5,600,000	12
Vinyl chloride	NA	2,560	0.51 U
Xylenes (total)	NA	NA	5.2

[1] Air guideline values derived by the NYSDOH.

[2] Values are equal to the Permissible Exposures Limits (PELs) presented by the Occupational Safety and Health Administration (OSHA) in Tables Z-1 and Z-2 of 29 CFR 1910.1000, last updated February 28, 2006.

NA - Not available

µg/m^3 - Micrograms per cubic meter

U - Not detected

Bold - Value exceeds Air Guideline Values Derived by New York State Department of Health (NYSDOH)

Italics - Value exceeds OSHA PELs

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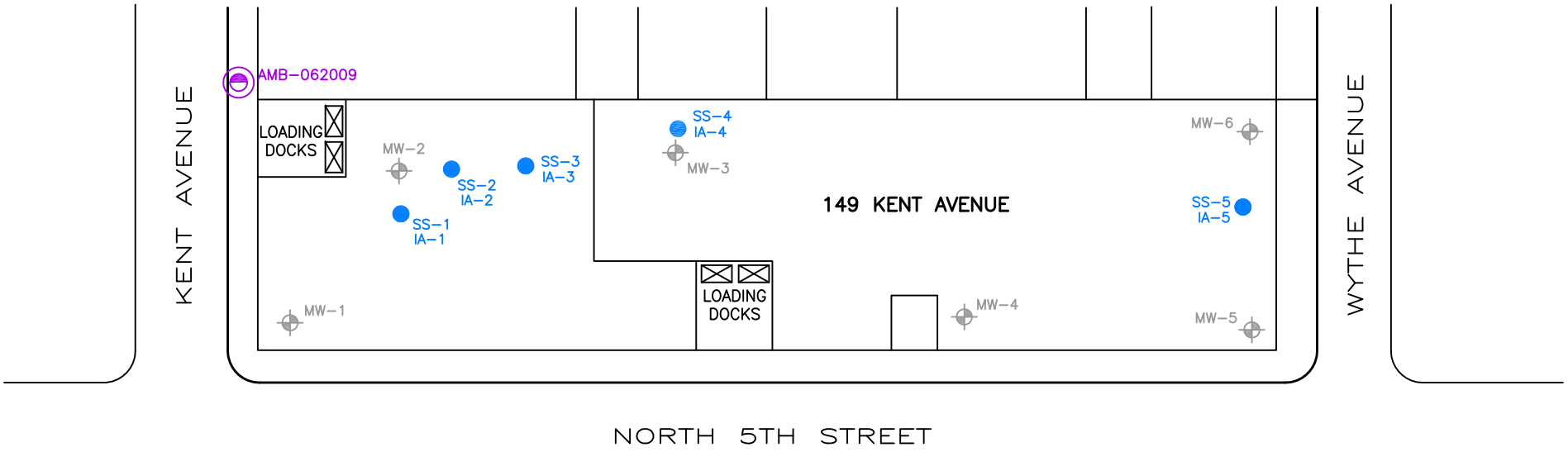


LEGEND

SS-1 IA-1 — APPROXIMATE LOCATION OF SUBSLAB VAPOR AND INDOOR AIR SAMPLE

AMB-062009 — APPROXIMATE LOCATION OF OUTDOOR AMBIENT AIR SAMPLE

MW-1 — EXISTING GROUND WATER MONITORING WELL INSTALLED BY AKRF ENVIRONMENTAL CONSULTANTS

NOTE

BASE MAP PROVIDED BY AKRF ENVIRONMENTAL CONSULTANTS FIGURE 2, TITLED "SITE PLAN DETAIL", DATED 01/10/07

60' 0 60'

Title:

SUB-SLAB VAPOR, INDOOR AIR AND OUTDOOR AIR SAMPLE LOCATIONS

149 KENT AVENUE
BROOKLYN, NEW YORK

Prepared For:

SIVE, PAGET AND RIESEL, P.C.

ROUX ASSOCIATES, INC.
Environmental Consulting and Management

Compiled by: T.B.	Date: 15JUL09	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr: D.M.	Project: 0660.0007Y	
File: SP0710201.DWG		

ATTACHMENT 1

NYSDOH Indoor Air Questionnaire &
Building Inventory Form

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 Tracy Bispham Date/Time Prepared 5/30/09 at 1330

Preparer's Affiliation Roux Associates, Inc. Phone No. 631-232-2600

Purpose of Investigation Indoor-Air Investigation

1. OCCUPANT:

Interviewed: Y / N

Last Name: Henick First Name: Jeffrey

Address: 149 Kent Avenue (Western Carpet)

County: Kings

Home Phone: N/A Office Phone: 718-782-0333

Number of Occupants/persons at this location 2 Age of Occupants 45 – 50 yrs

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

Interviewed: Y / N

Last Name: 149 Kent Avenue LLC First Name: _____

Address: 202 Wythe Avenue

County: Kings

Home Phone: N/A Office Phone: 718-782-0333

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: Carpet Warehouse

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? _____

If the property is commercial, type?

Business Type(s) Carpet Warehouse

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

Other characteristics:

Number of floors 1 Building age 24 yrs

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

N/A

Airflow near source

Rises and dissipates.

Outdoor air infiltration

Air enters through roll-up gates, rises and dissipates.

Infiltration into air ducts

No air ducts noticed in building.

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 _____	
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: _____(feet)

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

Cracks in floor, spaces between wall and floor joints, spaces between floor slabs, groundwater monitoring wells.

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 Electric Space Heater

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

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	N/A
1st Floor	Carpet and flooring warehouse
2nd Floor	Storage area (2nd floor does not extend throughout the building)
3rd Floor	N/A
4th Floor	N/A

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 Forklifts stored in warehouse

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? Once weekly

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? 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: Odors from carpet

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

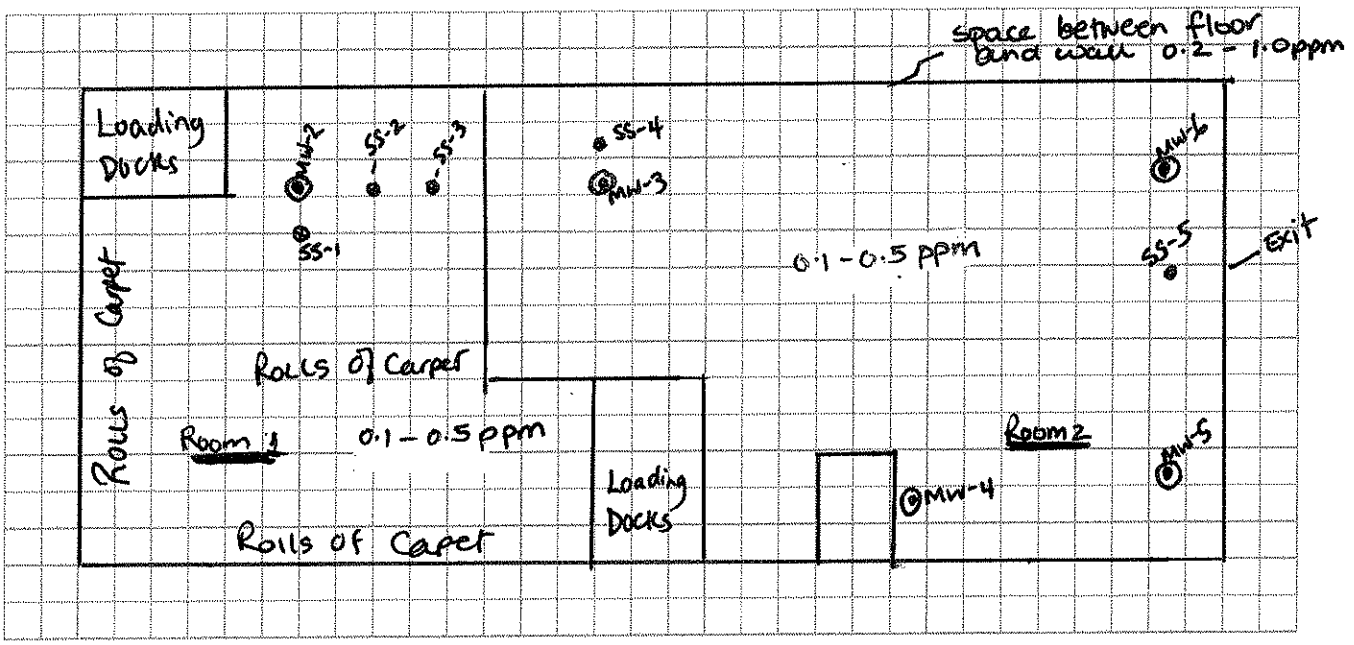
d. Relocation package provided and explained to residents? Y / N

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:

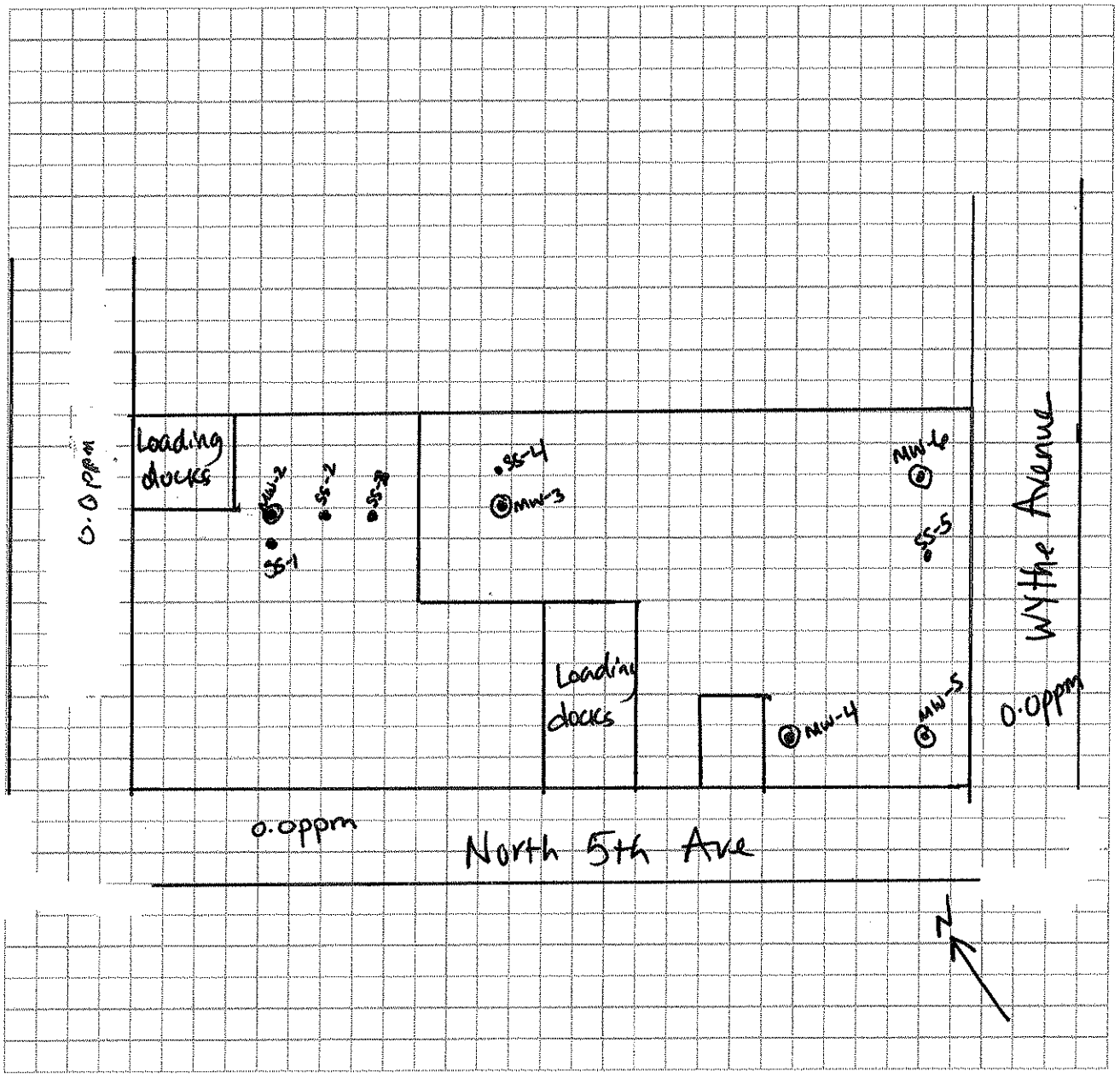
First Floor:



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: MiniRae 2000, calibrated 5/30/2009

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
Room 1	Century Flooring	Pallets	Boxed		0.1 – 0.5 ppm	N
Rooms 1 and 2	Carpet	Rolls	Wrapped in plastic		0.0 – 0.3 ppm	Y
Room 2	Vinyl flooring	Pallets	Boxed		0.0 – 0.5 ppm	N
Rooms 1 and 2	Forklifts		Parked		0.2 – 0.5 ppm	Y
Room 2	Basketball court kit	Pallets	UO, O		0.1 – 1.54 ppm	N
Room 2	Carpet samples	Boxes	UO, O		0.3 – 0.8 ppm	Y
Rooms 1 and 2	Tarkett Tiles	Boxes	UO, O		0.3 – 0.7 ppm	Y
Room 2	Groove flooring	Pallets	UO, O	Aluminum oxide finish	0.4 – 4.4 ppm	N
Room 2	Capture (spot eliminator)	16 oz cans	UO	Glycol ethers	0.3 – 0.6 ppm	Y
Room 2	Capture (carpet and rug dry cleaner)	4 lb buckets	UO	Synthetic polymer	0.4 – 1.3 ppm	Y
Room 2	Floor polish	2.5 gal can (1)	UO	Glycol ethers	0.1 – 0.6 ppm	Y
Room 2	Wall base adhesive	1 gal can	UO	Propylene glycol	0.3 – 0.6 ppm	Y

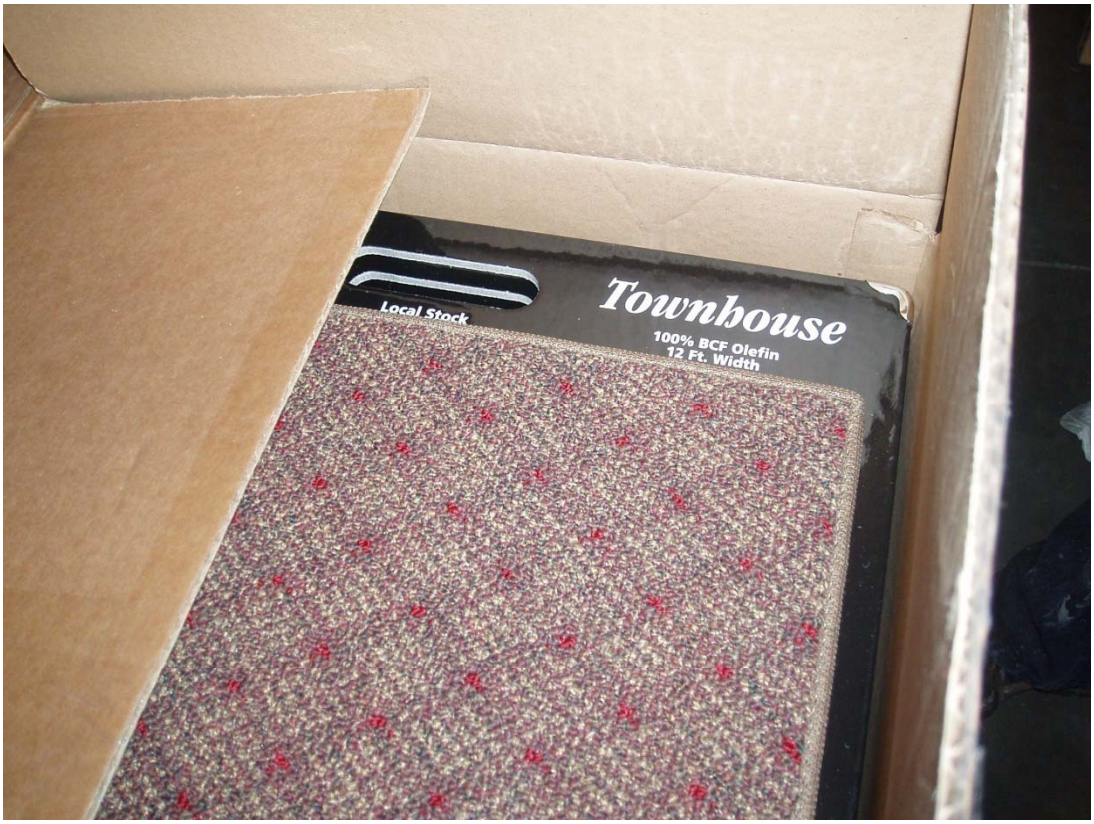
* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
* * Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must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

ATTACHMENT 2

Site Photographs


DOMCO TARKETT
POLISH
MATTE SATIN
C202
DOMCO TARKETT
COMMERCIAL
BROAD SPECTRUM ACRYLIC POLISH
Excellent wear resistance in high-traffic areas
PRODUIT DE POLISSAGE ACRYLIQUE POLYVALENT
Excellente résistance à l'usure dans les endroits très fréquentés
PULIDOR ACRÍLICO DE AMPLIO ESPECTRO
Excelente resistencia al desgaste en áreas de mucho tráfico
WARNING
EYE AND SKIN IRRITANT
AVERTISSEMENT
IRRITE LES YEUX ET LA PEAU
ADVERTENCIA
IRRITA LOS OJOS Y LA PIEL
COMMERCIAL MATTE SATIN POLISH
PRODUIT DE POLISSAGE COMMERCIAL FINI SATINÉ MAT
PULIDOR SATINADO MATE COMERCIAL
2.5 GALLONS (9.46L)


DOMCO TARKETT
COMMERCIAL
COMMERCIAL MATTE SATIN POLISH
PRODUIT DE POLISSAGE COMMERCIAL FINI SATINÉ MAT
PULIDOR SATINADO MATE COMERCIAL
C202
NONFLAMMABLE – KEEP FROM FREEZING
DISCARD CONTAINER – DO NOT REUSE.
ININFLAMMABLE – CONSERVER À L'ABRI DU GEL
JETER LE CONTENANT – NE PAS REUTILISER.
NO INFLAMABLE – EVITAR LA CONGELACIÓN
DESECHAR EL RECIPIENTE – NO VOLVER A USAR


Local Stock
Townhouse
100% BCF Olefin
12 Ft. Width


WESTERN
527 Almondine
521 Desert
512 Vanilla
528 Brownstone
523 Safari
518 Taupestone
513 Sandstone
520 Deep Forest
524 Clover
519 Lodden
514 Stony Plains
530 Clean Jeans
525 Blue Blush
520 Gunmetal
515 Shadows
531 Bordeaux
526 Fire Drill
521 Red Rose
516 Rare Berry


CAT
CATERPILLAR 50
Yale

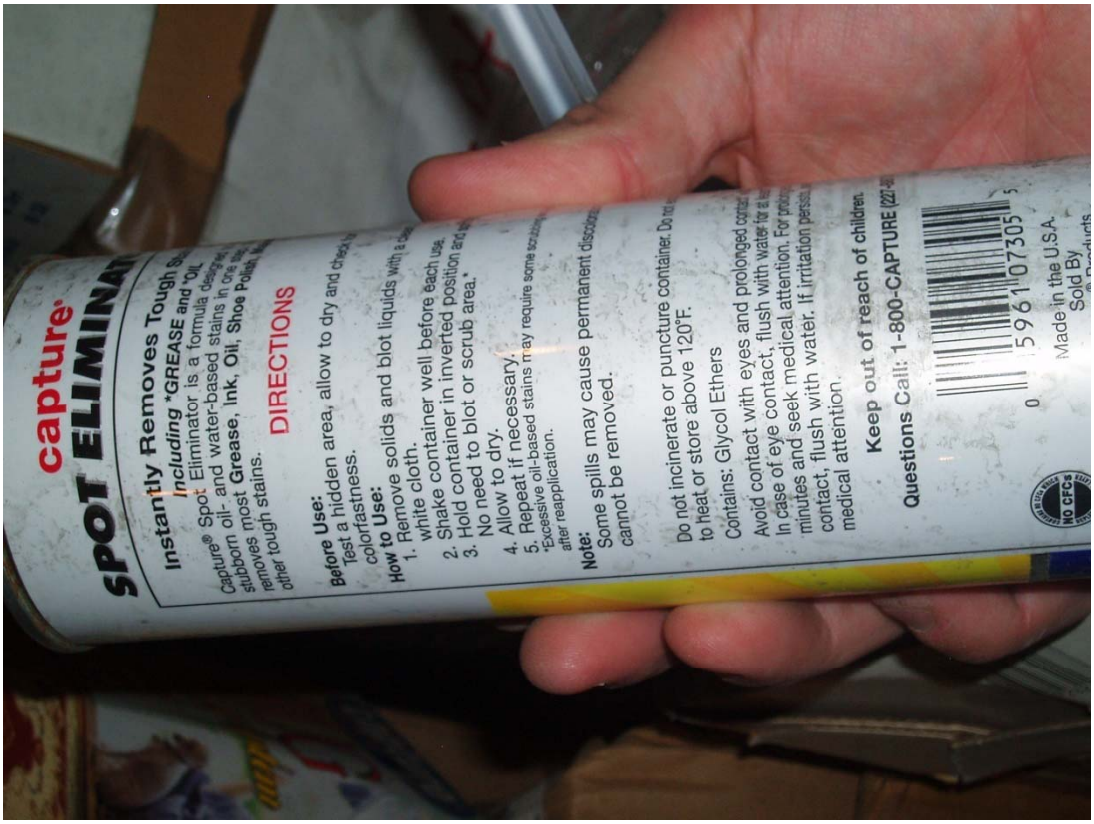

ADHÉSIF POUR
PLINTHE MURALE
1 GALLON
3.785L


ADVANCED FORMULA
capture
CARPET AND RUG
DRY CLEANER
Dry Cleans Whole Rooms And
Traffic Lanes In Just 4 Easy Steps
STEP
2
CAUTION: EYE IRRITANT
Read precautions on back.
NET WT. 4 lbs. (1.8 Kg.)
MILLIKEN
The Leader In Carpet Research


HYSTER
Deka
HYSTER 60


CHARISMA
CHERISH
APLAUSE
RAPTURE
CAPRICE
CHARISMA
CAPRICE
CHARMING
DAZZLING
CHARISMA
CAPRICE


WG 2H
CENTURY
CENTURY
CENTURY
CENTURY


capture
SPOT ELIMINA
Instantly Removes Tough S
Including *GREASE and 'Oil
Capture® Spot Eliminator is a formula design
stubborn oil- and water-based stains in one
removes most Grease, Ink, Oil, Shoe Polish
other tough stains.
DIRECTIONS
Before Use:
Test a hidden area, allow to dry and check
colorfastness.
How to Use:
1. Remove solids and blot liquids with a
white cloth.
2. Shake container well before each use.
3. Hold container in inverted position
No need to blot or scrub area.*
4. Allow to dry.
5. Repeat if necessary.
*Excessive oil-based stains may require some
after reapplication.
Note:
Some spills may cause permanent discol
cannot be removed.
Do not incinerate or puncture container. Do
to heat or store above 120°F.
Contains: Glycol Ethers
Avoid contact with eyes and prolonged
In case of eye contact, flush with water
minutes and seek medical attention. For
contact, flush with water. If irritation
medical attention.
Keep out of reach of children.
Questions Call: 1-800-CAPTURE
0 59610 07305 5
Made in the U.S.A.
Sold By
NO CFCs


AZROCK
Expressions
Tarkett
SEE BOTTOM INSTALLER FOR PROMOTION
Tarkett


capture
CARPET & RUG CLEAN
SPOT
ELIMINATO
Instantly
Removes
Tough Stains
Works Hard On
GREASE
& OIL
CAUTION:
IRRITANT
CONTENTS UNDER PRESSURE.
Read precautions on back.
MILLIKEN
The Leader In Carpet

ATTACHMENT 3

Air Sampling Forms

Sampling Form
149 Kent Avenue, Brooklyn, New York
Sub-slab and Indoor Air Sampling Investigation

Date:	6/20/2009	**Time:**	0750
Weather :	Overcast in the morning. Light steady rain after 11:30 am		
Temperature (Start):	67 °F	Humidity (Start):	81%
Temperature (End:	64 °F	Humidity (End):	100%
Wind Magnitude (Start):	Calm	Wind Direction (Start):	--
Wind Magnitude (End):	5-10 mph	Wind Direction (End):	Variable
Barometric Pressure (Start):	29.71	Precipitation (Start):	--
Barometric Pressure (End):	29.54	Precipitation (End):	0.01

Sampling Team: T. Bispham and A. Fernandez
Sampling Location: SS-1
Site Condition (i.e. any floor cracks, floor drains, vent pipes, tanks, etc. and what type of basements are present)
Sub-slab point SS-1 located approximately 11 feet SW of existing monitoring well MW-2.

Calibrate the Helium detection meter

Sampling Depth:	0-6	inches below the concrete slab (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	0.1508	Must be less than 0.2 L/min
Purge Time:	35 Sec	
Helium Rate at enclosure:	9×10^{-3} ml/s	
Helium Rate from sample tubing:	0×10^{-5} ml/s	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-30.0	in. of Hg
Starting Time:	0758	
Ending Time:	1641	
Ending Pressure:	-4.0	in. of Hg
Summa Canister Identification #:	2786	
Flow Regulator ID #	3118	
Sample ID #	SS-1	
Sample Time	1641	
Analysis	VOCs using USEPA Method TO-15	
Laboratory	TestAmerica Labs, Burlington, VT	

PID reading (taken from sample tubing): 61.13 ppm

Sampling Form
149 Kent Avenue, Brooklyn, New York
Sub-slab and Indoor Air Sampling Investigation

Date:	6/20/2009	**Time:**	0750
Weather :	Overcast in the morning. Light steady rain after 11:30 am		
Temperature (Start):	67 °F	Humidity (Start):	81%
Temperature (End:	64 °F	Humidity (End):	100%
Wind Magnitude (Start):	Calm	Wind Direction (Start):	--
Wind Magnitude (End):	5-10 mph	Wind Direction (End):	Variable
Barometric Pressure (Start):	29.71	Precipitation (Start):	--
Barometric Pressure (End):	29.54	Precipitation (End):	0.01

Sampling Team: T. Bispham and A. Fernandez
Sampling Location: IA-1
Site Condition (i.e. any floor cracks, floor drains, vent pipes, tanks, etc. and what type of basements are present)
Indoor air sample location IA-1 is located adjacent to sub-slab point SS-1.

Calibrate the Helium detection meter

Sampling Depth:	3-5	feet above grade (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	N/A	
Apparent Moisture Content:	N/A	
Purge Rate:	N/A	Must be less than 0.2 L/min
Purge Time:	N/A	
Helium Rate at enclosure:	N/A	
Helium Rate from sample tubing:	N/A	Is this rate <10% of the rate at the enclosure

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-27.0	in. of Hg
Starting Time:	0758	
Ending Time:	1551	
Ending Pressure:	-4.0	in. of Hg
Summa Canister Identification #:	3416	
Flow Regulator ID #	3986	
Sample ID #	IA-1	
Sample Time	1551	
Analysis	VOCs using USEPA Method TO-15	
Laboratory	TestAmerica Labs, Burlington, VT	

PID reading: 0.0 ppm

Sampling Form
149 Kent Avenue, Brooklyn, New York
Sub-slab and Indoor Air Sampling Investigation

Date:	6/20/2009	**Time:**	0802
Weather :	Overcast in the morning. Light steady rain after 11:30 am		
Temperature (Start):	67 °F	Humidity (Start):	81%
Temperature (End:	64 °F	Humidity (End):	100%
Wind Magnitude (Start):	Calm	Wind Direction (Start):	--
Wind Magnitude (End):	5-10 mph	Wind Direction (End):	Variable
Barometric Pressure (Start):	29.71	Precipitation (Start):	--
Barometric Pressure (End):	29.54	Precipitation (End):	0.01

Sampling Team: T. Bispham and A. Fernandez
Sampling Location: SS-2
Site Condition (i.e. any floor cracks, floor drains, vent pipes, tanks, etc. and what type of basements are present)
Slab point SS-2 located approximately 20 feet SE of existing monitoring well MW-2.

Calibrate the Helium detection meter

Sampling Depth:	0-6	inches below the concrete slab (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	0.1508	Must be less than 0.2 L/min
Purge Time:	35 Sec	
Helium Rate at enclosure:	1 x 10^{-2} ml/s	
Helium Rate from sample tubing:	0 x 10^{-5} ml/s	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-28.0	in. of Hg
Starting Time:	0805	
Ending Time:	1517	
Ending Pressure:	-4.0	in. of Hg
Summa Canister Identification #:	4437	
Flow Regulator ID #	3719	
Sample ID #	SS-2	
Sample Time	1517	
Analysis	VOCs using USEPA Method TO-15	
Laboratory	TestAmerica Labs, Burlington, VT	

PID reading (taken from sample tubing): 1.27 ppm

Sampling Form
149 Kent Avenue, Brooklyn, New York
Sub-slab and Indoor Air Sampling Investigation

Date: 6/20/2009 **Time:** 0802
Weather : Overcast in the morning. Light steady rain after 11:30 am

Temperature (Start):	67 °F	Humidity (Start):	81%
Temperature (End:	64 °F	Humidity (End):	100%
Wind Magnitude (Start):	Calm	Wind Direction (Start):	--
Wind Magnitude (End):	5-10 mph	Wind Direction (End):	Variable
Barometric Pressure (Start):	29.71	Precipitation (Start):	--
Barometric Pressure (End):	29.54	Precipitation (End):	0.01

Sampling Team: T. Bispham and A. Fernandez
Sampling Location: IA-2
Site Condition (i.e. any floor cracks, floor drains, vent pipes, tanks, etc. and what type of basements are present)
Indoor air sample location IA-2 is located adjacent to sub-slab point SS-2.

Calibrate the Helium detection meter

Sampling Depth:	3-5	feet above grade (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	N/A	
Apparent Moisture Content:	N/A	
Purge Rate:	N/A	Must be less than 0.2 L/min
Purge Time:	N/A	
Helium Rate at enclosure:	N/A	
Helium Rate from sample tubing:	N/A	Is this rate <10% of the rate at the enclosure

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-30.0	in. of Hg
Starting Time:	0807	
Ending Time:	1547	
Ending Pressure:	-4.0	in. of Hg
Summa Canister Identification #:	2544	
Flow Regulator ID #	4757	
Sample ID #	IA-2	
Sample Time	1547	
Analysis	VOCs using USEPA Method TO-15	
Laboratory	TestAmerica Labs, Burlington, VT	

PID reading: 0.0 ppm

Sampling Form
149 Kent Avenue, Brooklyn, New York
Sub-slab and Indoor Air Sampling Investigation

Date: 6/20/2009 **Time:** 0805
Weather : Overcast in the morning. Light steady rain after 11:30 am

Temperature (Start):	67 °F	Humidity (Start):	81%
Temperature (End:	64 °F	Humidity (End):	100%
Wind Magnitude (Start):	Calm	Wind Direction (Start):	--
Wind Magnitude (End):	5-10 mph	Wind Direction (End):	Variable
Barometric Pressure (Start):	29.71	Precipitation (Start):	--
Barometric Pressure (End):	29.54	Precipitation (End):	0.01

Sampling Team: T. Bispham and A. Fernandez
Sampling Location: SS-3
Site Condition (i.e. any floor cracks, floor drains, vent pipes, tanks, etc. and what type of basements are present)
Sub-slab point SS-3 located approximately 40 feet SE of existing monitoring well MW-2.

Calibrate the Helium detection meter

Sampling Depth:	0-6	inches below the concrete slab (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	0.1508	Must be less than 0.2 L/min
Purge Time:	35 Sec	
Helium Rate at enclosure:	9 x 10^{-3} ml/s	
Helium Rate from sample tubing:	0 x 10^{-5} ml/s	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-30.0	in. of Hg
Starting Time:	0811	
Ending Time:	1733	
Ending Pressure:	-6.0	in. of Hg
Summa Canister Identification #:	3334	
Flow Regulator ID #	2666	
Sample ID #	SS-3	
Sample Time	1733	
Analysis	VOCs using USEPA Method TO-15	
Laboratory	TestAmerica Labs, Burlington, VT	

PID reading (taken from sample tubing): 2.17ppm

Sampling Form
149 Kent Avenue, Brooklyn, New York
Sub-slab and Indoor Air Sampling Investigation

Date:	6/20/2009	**Time:**	0809
Weather :	Overcast in the morning. Light steady rain after 11:30 am		
Temperature (Start):	67 °F	Humidity (Start):	81%
Temperature (End:	64 °F	Humidity (End):	100%
Wind Magnitude (Start):	Calm	Wind Direction (Start):	--
Wind Magnitude (End):	5-10 mph	Wind Direction (End):	Variable
Barometric Pressure (Start):	29.71	Precipitation (Start):	--
Barometric Pressure (End):	29.54	Precipitation (End):	0.01

Sampling Team: T. Bispham and A. Fernandez
Sampling Location: IA-3
Site Condition (i.e. any floor cracks, floor drains, vent pipes, tanks, etc. and what type of basements are present)
Indoor air sample location IA-3 is located adjacent to sub-slab point SS-3.

Calibrate the Helium detection meter

Sampling Depth:	3-5	feet above grade (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	N/A	
Apparent Moisture Content:	N/A	
Purge Rate:	N/A	Must be less than 0.2 L/min
Purge Time:	N/A	
Helium Rate at enclosure:	N/A	
Helium Rate from sample tubing:	N/A	Is this rate <10% of the rate at the enclosure

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-29.0	in. of Hg
Starting Time:	0812	
Ending Time:	1601	
Ending Pressure:	-4.0	in. of Hg
Summa Canister Identification #:	4300	
Flow Regulator ID #	2931	
Sample ID #	IA-3	
Sample Time	1601	
Analysis	VOCs using USEPA Method TO-15	
Laboratory	TestAmerica Labs, Burlington, VT	

PID reading: 0.0 ppm

Sampling Form
149 Kent Avenue, Brooklyn, New York
Sub-slab and Indoor Air Sampling Investigation

Date: 6/20/2009 **Time:** 0819
Weather : Overcast in the morning. Light steady rain after 11:30 am

Temperature (Start):	67 °F	Humidity (Start):	81%
Temperature (End:	64 °F	Humidity (End):	100%
Wind Magnitude (Start):	Calm	Wind Direction (Start):	--
Wind Magnitude (End):	5-10 mph	Wind Direction (End):	Variable
Barometric Pressure (Start):	29.71	Precipitation (Start):	--
Barometric Pressure (End):	29.54	Precipitation (End):	0.01

Sampling Team: T. Bispham and A. Fernandez
Sampling Location: SS-4
Site Condition (i.e. any floor cracks, floor drains, vent pipes, tanks, etc. and what type of basements are present)
Sub-slab point SS-4 located approximately 8 feet NE of existing monitoring well MW-3.

Calibrate the Helium detection meter

Sampling Depth: 0-6 inches below the concrete slab (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite: Yes
Apparent Moisture Content: N/A
Purge Rate: 0.1508 Must be less than 0.2 L/min
Purge Time: 35 Sec
Helium Rate at enclosure: 9 x 10^{-3} ml/s
Helium Rate from sample tubing: 0 x 10^{-5} ml/s Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -30.0 in. of Hg
Starting Time: 0811
Ending Time: 1733
Ending Pressure: -6.0 in. of Hg

Summa Canister Identification #: 3334
Flow Regulator ID # 2666
Sample ID # SS-4
Sample Time 1733
Analysis VOCs using USEPA Method TO-15
Laboratory TestAmerica Labs, Burlington, VT

PID reading (taken from sample tubing): 2.01 ppm

Sampling Form
149 Kent Avenue, Brooklyn, New York
Sub-slab and Indoor Air Sampling Investigation

Date:	6/20/2009	**Time:**	0815
Weather :	Overcast in the morning. Light steady rain after 11:30 am		
Temperature (Start):	67 °F	Humidity (Start):	81%
Temperature (End:	64 °F	Humidity (End):	100%
Wind Magnitude (Start):	Calm	Wind Direction (Start):	--
Wind Magnitude (End):	5-10 mph	Wind Direction (End):	Variable
Barometric Pressure (Start):	29.71	Precipitation (Start):	--
Barometric Pressure (End):	29.54	Precipitation (End):	0.01

Sampling Team: T. Bispham and A. Fernandez
Sampling Location: IA-4
Site Condition (i.e. any floor cracks, floor drains, vent pipes, tanks, etc. and what type of basements are present)
Indoor air sample location IA-4 is located adjacent to sub-slab point SS-4.

Calibrate the Helium detection meter

Sampling Depth:	3-5	feet above grade (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	N/A	
Apparent Moisture Content:	N/A	
Purge Rate:	N/A	Must be less than 0.2 L/min
Purge Time:	N/A	
Helium Rate at enclosure:	N/A	
Helium Rate from sample tubing:	N/A	Is this rate <10% of the rate at the enclosure

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-31.0	in. of Hg
Starting Time:	0818	
Ending Time:	1710	
Ending Pressure:	-4.0	in. of Hg
Summa Canister Identification #:	3425	
Flow Regulator ID #	3753	
Sample ID #	IA-4	
Sample Time	1710	
Analysis	VOCs using USEPA Method TO-15	
Laboratory	TestAmerica Labs, Burlington, VT	

PID reading: 0.0 ppm

Sampling Form
149 Kent Avenue, Brooklyn, New York
Sub-slab and Indoor Air Sampling Investigation

Date:	6/20/2009	**Time:**	0825
Weather :	Overcast in the morning. Light steady rain after 11:30 am		
Temperature (Start):	67 °F	Humidity (Start):	81%
Temperature (End:	64 °F	Humidity (End):	100%
Wind Magnitude (Start):	Calm	Wind Direction (Start):	--
Wind Magnitude (End):	5-10 mph	Wind Direction (End):	Variable
Barometric Pressure (Start):	29.71	Precipitation (Start):	--
Barometric Pressure (End):	29.54	Precipitation (End):	0.01

Sampling Team: T. Bispham and A. Fernandez
Sampling Location: SS-5
Site Condition (i.e. any floor cracks, floor drains, vent pipes, tanks, etc. and what type of basements are present)
Sub-slab point SS-5 located approximately 30 feet SW of existing monitoring well MW-6.

Calibrate the Helium detection meter

Sampling Depth:	0-6	inches below the concrete slab (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	0.1508	Must be less than 0.2 L/min
Purge Time:	35 Sec	
Helium Rate at enclosure:	3 x 10^{-3} ml/s	
Helium Rate from sample tubing:	0 x 10^{-5} ml/s	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-31.0	in. of Hg
Starting Time:	0832	
Ending Time:	1726	
Ending Pressure:	-5.0	in. of Hg
Summa Canister Identification #:	2861	
Flow Regulator ID #	3946	
Sample ID #	SS-5	
Sample Time	1726	
Analysis	VOCs using USEPA Method TO-15	
Laboratory	TestAmerica Labs, Burlington, VT	

PID reading (taken from sample tubing): 1.51ppm

Sampling Form
149 Kent Avenue, Brooklyn, New York
Sub-slab and Indoor Air Sampling Investigation

Date:	6/20/2009	**Time:**	0825
Weather :	Overcast in the morning. Light steady rain after 11:30 am		
Temperature (Start):	67 °F	Humidity (Start):	81%
Temperature (End:	64 °F	Humidity (End):	100%
Wind Magnitude (Start):	Calm	Wind Direction (Start):	--
Wind Magnitude (End):	5-10 mph	Wind Direction (End):	Variable
Barometric Pressure (Start):	29.71	Precipitation (Start):	--
Barometric Pressure (End):	29.54	Precipitation (End):	0.01

Sampling Team: T. Bispham and A. Fernandez
Sampling Location: IA-5
Site Condition (i.e. any floor cracks, floor drains, vent pipes, tanks, etc. and what type of basements are present)
Indoor air sample location IA-5 is located adjacent to sub-slab point SS-5.

Calibrate the Helium detection meter

Sampling Depth:	3-5	feet above grade (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	N/A	
Apparent Moisture Content:	N/A	
Purge Rate:	N/A	Must be less than 0.2 L/min
Purge Time:	N/A	
Helium Rate at enclosure:	N/A	
Helium Rate from sample tubing:	N/A	Is this rate <10% of the rate at the enclosure

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-30.5	in. of Hg
Starting Time:	0835	
Ending Time:	1715	
Ending Pressure:	-4.0	in. of Hg
Summa Canister Identification #:	3460	
Flow Regulator ID #	4515	
Sample ID #	IA-5	
Sample Time	1715	
Analysis	VOCs using USEPA Method TO-15	
Laboratory	TestAmerica Labs, Burlington, VT	

PID reading: 0.0 ppm

Sampling Form
149 Kent Avenue, Brooklyn, New York
Sub-slab and Indoor Air Sampling Investigation

Date:	6/20/2009	**Time:**	0825
Weather :	Overcast in the morning. Light steady rain after 11:30 am		
Temperature (Start):	67 °F	Humidity (Start):	81%
Temperature (End:	64 °F	Humidity (End):	100%
Wind Magnitude (Start):	Calm	Wind Direction (Start):	--
Wind Magnitude (End):	5-10 mph	Wind Direction (End):	Variable
Barometric Pressure (Start):	29.71	Precipitation (Start):	--
Barometric Pressure (End):	29.54	Precipitation (End):	0.01

Sampling Team: T. Bispham and A. Fernandez
Sampling Location: IA-5 (DUP-062009)
Site Condition (i.e. any floor cracks, floor drains, vent pipes, tanks, etc. and what type of basements are present)
Duplicate sample collected at Indoor air sample location IA-4. Sample location is adjacent to sub-slab point SS-5.

Calibrate the Helium detection meter

Sampling Depth:	3-5	feet above grade (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	N/A	
Apparent Moisture Content:	N/A	
Purge Rate:	N/A	Must be less than 0.2 L/min
Purge Time:	N/A	
Helium Rate at enclosure:	N/A	
Helium Rate from sample tubing:	N/A	Is this rate <10% of the rate at the enclosure

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-30.0	in. of Hg
Starting Time:	0912	
Ending Time:	1713	
Ending Pressure:	-4.0	in. of Hg
Summa Canister Identification #:	2879	
Flow Regulator ID #	3933	
Sample ID #	DUP-062009	
Sample Time	1713	
Analysis	VOCs using USEPA Method TO-15	
Laboratory	TestAmerica Labs, Burlington, VT	

PID reading: 0.0 ppm

Sampling Form
149 Kent Avenue, Brooklyn, New York
Sub-slab and Indoor Air Sampling Investigation

Date:	6/20/2009	**Time:**	0845
Weather :	Overcast in the morning. Light steady rain after 11:30 am		
Temperature (Start):	67 °F	Humidity (Start):	81%
Temperature (End:	64 °F	Humidity (End):	100%
Wind Magnitude (Start):	Calm	Wind Direction (Start):	--
Wind Magnitude (End):	5-10 mph	Wind Direction (End):	Variable
Barometric Pressure (Start):	29.71	Precipitation (Start):	--
Barometric Pressure (End):	29.54	Precipitation (End):	0.01

Sampling Team: T. Bispham and A. Fernandez
Sampling Location: AMB-062009
Site Condition (i.e. any floor cracks, floor drains, vent pipes, tanks, etc. and what type of basements are present)
Ambient air sample AMB-062009 collected on Kent Avenue between N 5th and N 6th Streets (between 149 Kent and 135 Kent Avenue property boundaries)

Calibrate the Helium detection meter

Sampling Depth:	4	feet above grade (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	N/A	
Apparent Moisture Content:	N/A	
Purge Rate:	N/A	Must be less than 0.2 L/min
Purge Time:	N/A	
Helium Rate at enclosure:	N/A	
Helium Rate from sample tubing:	N/A	Is this rate <10% of the rate at the enclosure

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

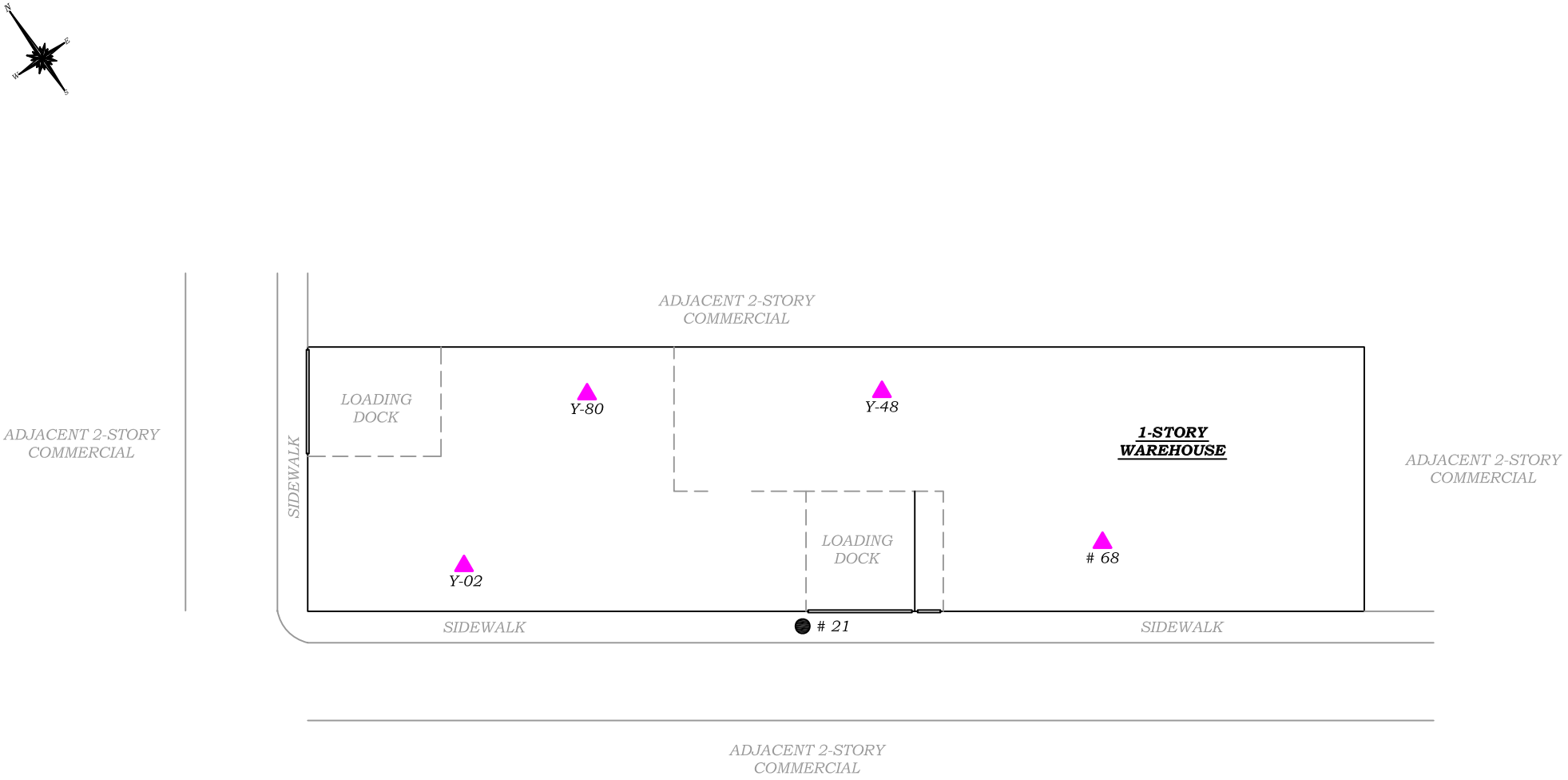
Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-29.0	in. of Hg
Starting Time:	0850	
Ending Time:	1655	
Ending Pressure:	-4.0	in. of Hg
Summa Canister Identification #:	4089	
Flow Regulator ID #	4762	
Sample ID #	AMB-062009	
Sample Time	1655	
Analysis	VOCs using USEPA Method TO-15	
Laboratory	TestAmerica Labs, Burlington, VT	

PID reading: 0.0 ppm



LEGEND:

- INDOOR AIR SAMPLE
- OUTDOOR AIR SAMPLE

0' 20' 40' 60'

SCALE IN FEET (FT.)

HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
77 ARKAY DRIVE, SUITE G
HAUPPAUGE, NEW YORK 11788
T (631)462-5866 F (631)462-5877

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BROOKLYN, NEW YORK 11225
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www.hydrotechenvironmental.com

149 Kent Avenue
Brooklyn, NY.
HTE Job# 110251

Drawn By:	C.Q
Reviewed By:	M.R
Approved By:	M.S
Date:	11/22/11
Scale:	AS NOTED

TITLE:

FIGURE 1: SITE & SAMPLING PLAN

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Ezgi Karayel

Report Date: 11/16/2011
Client Project ID: #110251 149 Kent Avenue Brooklyn, NY
York Project (SDG) No.: 11K0347

Report Date: 11/16/2011
Client Project ID: #110251 149 Kent Avenue Brooklyn, NY
York Project (SDG) No.: 11K0347

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Ezgi Karayel

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 10, 2011 and listed below. The project was identified as your project: **#110251 149 Kent Avenue Brooklyn, NY**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
11K0347-01	#21	Air	11/09/2011	11/10/2011
11K0347-02	#68	Air	11/09/2011	11/10/2011
11K0347-03	Y-48	Air	11/09/2011	11/10/2011
11K0347-04	Y-80	Air	11/09/2011	11/10/2011
11K0347-05	Y-02	Air	11/09/2011	11/10/2011

General Notes for York Project (SDG) No.: 11K0347

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

Approved By:  **Date:** 11/16/2011

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

Sample Information

Client Sample ID: #21 **York Sample ID:** 11K0347-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.24	1.3	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.40	1.7	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.13	1.9	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.33	1.3	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.12	0.99	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.15	0.97	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.40	1.8	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.14	6.0	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.37	1.5	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.24	0.99	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.25	1.1	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.29	1.7	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.16	2.4	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
106-99-0	1,3-Butadiene	ND		ug/m³	0.16	1.1	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.26	1.5	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.32	1.5	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
123-91-1	1,4-Dioxane	ND		ug/m³	0.79	8.8	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	0.14	1.1	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
78-93-3	**2-Butanone**	**2.7**		ug/m³	0.29	0.72	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
591-78-6	2-Hexanone	ND		ug/m³	0.55	2.0	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.14	7.6	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.36	1.0	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
67-64-1	**Acetone**	**51**		ug/m³	0.18	0.58	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
71-43-2	**Benzene**	**1.2**		ug/m³	0.12	0.78	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
100-44-7	Benzyl chloride	ND		ug/m³	0.15	1.3	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
75-27-4	Bromodichloromethane	ND		ug/m³	0.36	1.5	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
75-25-2	Bromoform	ND		ug/m³	0.45	2.5	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
74-83-9	Bromomethane	ND		ug/m³	0.11	0.95	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
75-15-0	**Carbon disulfide**	**6.9**		ug/m³	0.091	0.76	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.18	0.77	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
108-90-7	Chlorobenzene	ND		ug/m³	0.20	1.1	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
75-00-3	Chloroethane	ND		ug/m³	0.077	0.64	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
67-66-3	Chloroform	ND		ug/m³	0.18	1.2	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
74-87-3	**Chloromethane**	**1.3**		ug/m³	0.15	0.50	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD

Sample Information

Client Sample ID: #21 **York Sample ID:** 11K0347-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.16	0.97	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.28	1.1	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
110-82-7	Cyclohexane	ND		ug/m³	0.10	0.84	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
75-71-8	**Dichlorodifluoromethane**	**2.7**		ug/m³	0.30	1.2	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
141-78-6	Ethyl acetate	ND		ug/m³	0.22	0.88	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
100-41-4	Ethyl Benzene	ND		ug/m³	0.19	1.1	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.47	2.6	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
67-63-0	**Isopropanol**	**18**		ug/m³	0.21	0.60	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.11	0.88	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
75-09-2	**Methylene chloride**	**77**	B	ug/m³	0.20	0.85	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
142-82-5	n-Heptane	ND		ug/m³	0.12	1.0	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
110-54-3	**n-Hexane**	**16**		ug/m³	0.10	0.86	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
95-47-6	**o-Xylene**	**1.2**		ug/m³	0.19	1.1	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
1330-20-7P/M	**p- & m- Xylenes**	**2.9**		ug/m³	0.36	1.1	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	0.22	6.0	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
115-07-01	Propylene	ND		ug/m³	0.19	0.42	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
100-42-5	Styrene	ND		ug/m³	0.19	1.0	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	0.20	1.7	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	0.18	0.72	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
108-88-3	**Toluene**	**4.6**		ug/m³	0.22	0.92	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.12	0.97	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.20	1.1	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
79-01-6	Trichloroethylene	ND		ug/m³	0.16	0.66	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.5**		ug/m³	0.082	1.4	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.13	1.7	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
593-60-2	Vinyl bromide	ND		ug/m³	0.16	1.1	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD
75-01-4	Vinyl Chloride	ND		ug/m³	0.15	1.2	2.4	EPA Compendium TO-15	11/15/2011 00:27	11/15/2011 00:27	TD

Sample Information

Client Sample ID: #68 **York Sample ID:** 11K0347-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Sample Information

Client Sample ID: #68 **York Sample ID:** 11K0347-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.39	2.2	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.65	2.7	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.21	3.0	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.54	2.2	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.19	1.6	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.23	1.6	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.64	2.9	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.23	9.7	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.59	2.4	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.38	1.6	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.40	1.8	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.47	2.8	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.25	3.9	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
106-99-0	1,3-Butadiene	ND		ug/m³	0.26	1.7	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.43	2.4	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.52	2.4	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
123-91-1	1,4-Dioxane	ND		ug/m³	1.3	14	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	0.22	1.8	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
78-93-3	**2-Butanone**	**3.1**		ug/m³	0.47	1.2	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
591-78-6	2-Hexanone	ND		ug/m³	0.89	3.2	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.22	12	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.58	1.6	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
67-64-1	**Acetone**	**21**		ug/m³	0.29	0.94	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
71-43-2	Benzene	ND		ug/m³	0.19	1.3	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
100-44-7	Benzyl chloride	ND		ug/m³	0.24	2.0	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
75-27-4	Bromodichloromethane	ND		ug/m³	0.59	2.4	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
75-25-2	Bromoform	ND		ug/m³	0.73	4.1	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
74-83-9	Bromomethane	ND		ug/m³	0.18	1.5	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
75-15-0	**Carbon disulfide**	**8.6**		ug/m³	0.15	1.2	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.30	1.2	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
108-90-7	Chlorobenzene	ND		ug/m³	0.33	1.8	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
75-00-3	Chloroethane	ND		ug/m³	0.12	1.0	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
67-66-3	Chloroform	ND		ug/m³	0.29	1.9	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
74-87-3	Chloromethane	ND		ug/m³	0.24	0.81	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.27	1.6	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD

Sample Information

Client Sample ID: #68 **York Sample ID:** 11K0347-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.45	1.8	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
110-82-7	Cyclohexane	ND		ug/m³	0.16	1.4	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.49	1.9	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
141-78-6	Ethyl acetate	ND		ug/m³	0.36	1.4	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
100-41-4	Ethyl Benzene	ND		ug/m³	0.31	1.7	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.76	4.2	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
67-63-0	Isopropanol	ND		ug/m³	0.34	0.97	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.17	1.4	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
75-09-2	**Methylene chloride**	**28**	B	ug/m³	0.33	1.4	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
142-82-5	n-Heptane	ND		ug/m³	0.19	1.6	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
110-54-3	**n-Hexane**	**3.9**		ug/m³	0.17	1.4	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
95-47-6	o-Xylene	ND		ug/m³	0.31	1.7	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m³	0.58	1.7	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	0.35	9.7	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
115-07-01	Propylene	ND		ug/m³	0.31	0.68	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
100-42-5	Styrene	ND		ug/m³	0.30	1.7	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	0.32	2.7	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	0.29	1.2	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
108-88-3	**Toluene**	**5.5**		ug/m³	0.36	1.5	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.19	1.6	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.32	1.8	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
79-01-6	Trichloroethylene	ND		ug/m³	0.25	1.1	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**11**		ug/m³	0.13	2.2	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.21	2.8	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
593-60-2	Vinyl bromide	ND		ug/m³	0.26	1.7	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD
75-01-4	Vinyl Chloride	ND		ug/m³	0.24	2.0	3.877	EPA Compendium TO-15	11/15/2011 01:18	11/15/2011 01:18	TD

Sample Information

Client Sample ID: Y-48 **York Sample ID:** 11K0347-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

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

Sample Information

Client Sample ID: Y-48 **York Sample ID:** 11K0347-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.43	2.4	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.73	3.0	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.24	3.4	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.60	2.4	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.21	1.8	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.26	1.8	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.72	3.3	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.26	11	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.66	2.7	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.43	1.8	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.45	2.0	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.53	3.1	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.28	4.3	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
106-99-0	1,3-Butadiene	ND		ug/m³	0.29	1.9	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.48	2.7	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.58	2.7	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
123-91-1	1,4-Dioxane	ND		ug/m³	1.4	16	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	0.25	2.1	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
78-93-3	**2-Butanone**	**6.0**		ug/m³	0.52	1.3	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
591-78-6	2-Hexanone	ND		ug/m³	1.0	3.6	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.25	14	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.65	1.8	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
67-64-1	**Acetone**	**38**		ug/m³	0.33	1.1	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
71-43-2	Benzene	ND		ug/m³	0.21	1.4	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
100-44-7	Benzyl chloride	ND		ug/m³	0.27	2.3	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
75-27-4	Bromodichloromethane	ND		ug/m³	0.66	2.7	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
75-25-2	Bromoform	ND		ug/m³	0.82	4.6	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
74-83-9	Bromomethane	ND		ug/m³	0.21	1.7	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
75-15-0	**Carbon disulfide**	**9.8**		ug/m³	0.17	1.4	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.33	1.4	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
108-90-7	Chlorobenzene	ND		ug/m³	0.37	2.0	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
75-00-3	Chloroethane	ND		ug/m³	0.14	1.2	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
67-66-3	Chloroform	ND		ug/m³	0.32	2.2	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
74-87-3	Chloromethane	ND		ug/m³	0.27	0.91	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD

Sample Information

Client Sample ID: **Y-48** **York Sample ID:** **11K0347-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.30	1.8	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.50	2.0	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
110-82-7	Cyclohexane	ND		ug/m³	0.18	1.5	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.55	2.2	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
141-78-6	Ethyl acetate	ND		ug/m³	0.40	1.6	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
100-41-4	Ethyl Benzene	ND		ug/m³	0.35	1.9	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.85	4.7	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
67-63-0	Isopropanol	ND		ug/m³	0.38	1.1	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.19	1.6	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
75-09-2	**Methylene chloride**	**36**	B	ug/m³	0.37	1.5	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
142-82-5	n-Heptane	ND		ug/m³	0.22	1.8	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
110-54-3	**n-Hexane**	**7.2**		ug/m³	0.19	1.6	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
95-47-6	o-Xylene	ND		ug/m³	0.35	1.9	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m³	0.65	1.9	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	0.39	11	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
115-07-01	Propylene	ND		ug/m³	0.35	0.76	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
100-42-5	Styrene	ND		ug/m³	0.34	1.9	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	0.36	3.0	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	0.33	1.3	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
108-88-3	**Toluene**	**6.0**		ug/m³	0.40	1.7	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.21	1.8	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.36	2.0	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
79-01-6	Trichloroethylene	ND		ug/m³	0.28	1.2	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**7.9**		ug/m³	0.15	2.5	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.23	3.1	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
593-60-2	Vinyl bromide	ND		ug/m³	0.29	1.9	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD
75-01-4	Vinyl Chloride	ND		ug/m³	0.27	2.3	4.345	EPA Compendium TO-15	11/15/2011 02:09	11/15/2011 02:09	TD

Sample Information

Client Sample ID: **Y-80** **York Sample ID:** **11K0347-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Sample Information

Client Sample ID: Y-80 **York Sample ID:** 11K0347-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.26	1.4	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.44	1.8	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.14	2.0	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.36	1.4	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.13	1.1	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.16	1.1	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.43	2.0	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.16	6.5	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.40	1.6	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.26	1.1	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.27	1.2	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.32	1.9	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.17	2.6	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
106-99-0	1,3-Butadiene	ND		ug/m³	0.17	1.2	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.29	1.6	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.35	1.6	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
123-91-1	1,4-Dioxane	ND		ug/m³	0.86	9.6	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	0.15	1.2	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
78-93-3	**2-Butanone**	**2.7**		ug/m³	0.31	0.78	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
591-78-6	2-Hexanone	ND		ug/m³	0.60	2.2	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.15	8.3	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.39	1.1	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
67-64-1	**Acetone**	**20**		ug/m³	0.20	0.63	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
71-43-2	Benzene	ND		ug/m³	0.13	0.85	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
100-44-7	Benzyl chloride	ND		ug/m³	0.16	1.4	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
75-27-4	Bromodichloromethane	ND		ug/m³	0.40	1.6	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
75-25-2	Bromoform	ND		ug/m³	0.49	2.7	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
74-83-9	Bromomethane	ND		ug/m³	0.12	1.0	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
75-15-0	**Carbon disulfide**	**5.6**		ug/m³	0.099	0.83	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.20	0.84	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
108-90-7	Chlorobenzene	ND		ug/m³	0.22	1.2	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
75-00-3	Chloroethane	ND		ug/m³	0.084	0.70	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
67-66-3	Chloroform	ND		ug/m³	0.19	1.3	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
74-87-3	Chloromethane	ND		ug/m³	0.16	0.55	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.18	1.1	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD

Sample Information

Client Sample ID: **Y-80** **York Sample ID:** **11K0347-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.30	1.2	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
110-82-7	Cyclohexane	ND		ug/m³	0.11	0.91	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.33	1.3	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
141-78-6	Ethyl acetate	ND		ug/m³	0.24	0.96	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
100-41-4	Ethyl Benzene	ND		ug/m³	0.21	1.2	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.51	2.8	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
67-63-0	Isopropanol	ND		ug/m³	0.23	0.65	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.11	0.96	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
75-09-2	**Methylene chloride**	**11**	B	ug/m³	0.22	0.92	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
142-82-5	n-Heptane	ND		ug/m³	0.13	1.1	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
110-54-3	**n-Hexane**	**2.2**		ug/m³	0.11	0.94	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
95-47-6	o-Xylene	ND		ug/m³	0.21	1.2	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m³	0.39	1.2	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	0.23	6.5	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
115-07-01	Propylene	ND		ug/m³	0.21	0.46	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
100-42-5	Styrene	ND		ug/m³	0.20	1.1	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
127-18-4	**Tetrachloroethylene**	**3.4**		ug/m³	0.22	1.8	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	0.20	0.78	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
108-88-3	**Toluene**	**5.7**		ug/m³	0.24	1.0	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.13	1.1	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.22	1.2	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
79-01-6	Trichloroethylene	ND		ug/m³	0.17	0.71	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**12**		ug/m³	0.090	1.5	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.14	1.9	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
593-60-2	Vinyl bromide	ND		ug/m³	0.17	1.2	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD
75-01-4	Vinyl Chloride	ND		ug/m³	0.16	1.4	2.611	EPA Compendium TO-15	11/15/2011 03:00	11/15/2011 03:00	TD

Sample Information

Client Sample ID: **Y-02** **York Sample ID:** **11K0347-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

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

Sample Information

Client Sample ID: Y-02 **York Sample ID:** 11K0347-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.31	1.7	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.51	2.1	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.17	2.4	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.43	1.7	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.15	1.3	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.19	1.2	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.51	2.3	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.18	7.7	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.47	1.9	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.30	1.3	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.32	1.4	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.37	2.2	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.20	3.1	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
106-99-0	1,3-Butadiene	ND		ug/m³	0.20	1.4	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.34	1.9	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.41	1.9	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
123-91-1	1,4-Dioxane	ND		ug/m³	1.0	11	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	0.18	1.5	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
78-93-3	**2-Butanone**	**3.5**		ug/m³	0.37	0.92	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
591-78-6	2-Hexanone	ND		ug/m³	0.70	2.6	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.18	9.8	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.46	1.3	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
67-64-1	**Acetone**	**24**		ug/m³	0.23	0.74	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
71-43-2	Benzene	ND		ug/m³	0.15	1.0	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
100-44-7	Benzyl chloride	ND		ug/m³	0.19	1.6	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
75-27-4	Bromodichloromethane	ND		ug/m³	0.47	1.9	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
75-25-2	Bromoform	ND		ug/m³	0.58	3.2	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
74-83-9	Bromomethane	ND		ug/m³	0.15	1.2	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
75-15-0	**Carbon disulfide**	**6.4**		ug/m³	0.12	0.97	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.24	0.98	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
108-90-7	Chlorobenzene	ND		ug/m³	0.26	1.4	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
75-00-3	Chloroethane	ND		ug/m³	0.099	0.82	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
67-66-3	Chloroform	ND		ug/m³	0.23	1.5	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
74-87-3	Chloromethane	ND		ug/m³	0.19	0.65	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD

Sample Information

Client Sample ID: Y-02 **York Sample ID:** 11K0347-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11K0347	#110251 149 Kent Avenue Brooklyn, NY	Air	November 9, 2011 3:00 pm	11/10/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.21	1.2	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.35	1.4	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
110-82-7	Cyclohexane	ND		ug/m³	0.13	1.1	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.39	1.5	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
141-78-6	Ethyl acetate	ND		ug/m³	0.28	1.1	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
100-41-4	Ethyl Benzene	ND		ug/m³	0.24	1.4	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.60	3.3	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
67-63-0	Isopropanol	ND		ug/m³	0.27	0.77	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.13	1.1	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
75-09-2	**Methylene chloride**	**7.6**	B	ug/m³	0.26	1.1	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
142-82-5	n-Heptane	ND		ug/m³	0.15	1.3	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
110-54-3	n-Hexane	ND		ug/m³	0.13	1.1	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
95-47-6	o-Xylene	ND		ug/m³	0.24	1.4	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m³	0.46	1.4	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	0.28	7.7	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
115-07-01	Propylene	ND		ug/m³	0.25	0.54	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
100-42-5	Styrene	ND		ug/m³	0.24	1.3	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	0.25	2.1	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	0.23	0.92	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
108-88-3	**Toluene**	**5.1**		ug/m³	0.28	1.2	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.15	1.2	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.26	1.4	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
79-01-6	Trichloroethylene	ND		ug/m³	0.20	0.84	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**12**		ug/m³	0.11	1.8	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.17	2.2	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
593-60-2	Vinyl bromide	ND		ug/m³	0.21	1.4	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD
75-01-4	Vinyl Chloride	ND		ug/m³	0.19	1.6	3.073	EPA Compendium TO-15	11/15/2011 03:51	11/15/2011 03:51	TD

Notes and Definitions

B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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

Corrective Action:

YORK
ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record - AIR

Page____ of ____

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

York Project No. 11K347

YOUR Information	**Report To:**	**Invoice To:**	**YOUR Project ID**	**Turn-Around Time**	**Report Type/Deliverables**
Company: Hydro Tech Env.	Company:	Company:	#110251 149 Kent Avenue, Brooklyn, NY	RUSH - Same Day ☐	Summary Report ____
Address: 15 Ocean Ave, 2nd Floor Brooklyn, NY 11225	Address:	Address: 77 Arkay Dr, Suite: G, Hauppauge	**Purchase Order No.** 4801	RUSH - Next Day ☐	Summary w/ QA Summary ____
Phone No. 718-636-0800	Phone No.	Phone No. 631-462-5866		RUSH - Two Day ☐	CT RCP Package ____
Contact Person: Ezgi Karayel	Attention:	Attention: Muslima Wood		RUSH - Three Day ☐	NY ASP A Package ____
E-Mail Address: ekarayel@hydrotechenvironmental.com	E-Mail Address:	E-Mail Address: mwood@htecorp.info	Samples from: CT___ NY X NJ___	RUSH - Four Day ☐	NY ASP B/CLP Pkg ____
				Standard(5-7 Days) ☒	NJDEP Reduced ____
					Electronic Deliverables:
					EDD (Specify Type) ____
					Standard Excel ____
					Regulatory Comparison Excel ____

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

E Wylo for Carlos
Samples Collected/Authorized By (Signature)

Carlos
Name (printed)

Air Matrix Codes

AI - INDOOR Ambient Air
AO- OUTDOOR Amb. Air
AE- Vapor Extraction Well/ Process Gas/Effluent
AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses

EPA TO-15 List	EPA TO-14A List
NYSDEC VI list	Tentatively Identified Compounds
NYSDEC STARS List	Air VPH
Project Specific List by TO-15	Helium
NJDEP Target List	Methane
CTDEP RCP Target List	OTHER____

Detection Limits Required

≤ 1 ug/m³ ____
NYSDEC VI Limits____
(VI = vapor intrusion)
NJDEP low level ____
Routine Survey ____
Other____

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
#21	11/9/11				TO-15	6 Liter Summa canister___ Tedlar Bag___
#68	↓				TO-15	6 Liter Summa canister___ Tedlar Bag___
Y-48					TO-15	6 Liter Summa canister___ Tedlar Bag___
Y-80					TO-15	6 Liter Summa canister___ Tedlar Bag___
Y-02					TO-15	6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___

Comments

E Wylo 11/10/11 9:45
Samples Relinquished By Date/Time

Samples Relinquished By Date/Time

Samples Received By 11/10 9:45 Date/Time

PGrace 11/10/11 1330
Samples Received in LAB by Date/Time

Section VII. Property's Environmental History
Part 2. Sampling Data
Attachment H

Table 1. Known VOC Contaminants in Soil, Groundwater and Soil Vapor, 149 Kent Avenue, Brooklyn, New York

Parameter	Maximum Concentration Detected in Soil (Concentrations in µg/kg)	Maximum Concentration Detected in Groundwater (Concentrations in µg/L)	Maximum Concentration Detected in Soil Vapor (Concentrations in µg/m^3)
VOCS			
1,1,1-Trichloroethane	2.1	1,400	190
1,1,2-Trichloroethane			
1,1-Dichloroethane		100	11
1,1-Dichloroethene		490	
1,2,4-Trimethylbenzene			59
1,2-Dichloroethene (total)			7500
1,3,5-Trimethylbenzene			36
1,3-Butadiene			2.4
2,2,4-Trimethylpentane			2.4
2-Butanone (MEK)	9.4		9.70
4-Ethyltoluene			100
4-Methyl-2-pentanone (MIBK)			2.6
Acetone	120,000	260	81
Benzene		53	14
Carbon disulfide			31
Carbon tetrachloride		69	30
Chloroform	1.5		360
cis-1,2-Dichloroethene	8.2	130	7500
Cyclohexane			2.2
Dichlorodifluoromethane			6.9
Ethylbenzene		19	120
m+p-Xylene			360
Methylene chloride	21,000	3.9	
n-Heptane			9
n-Hexane			4.9
o-Xylene			110
Styrene			1.1
Tetrachloroethene	78,000,000	72,000	95000
Toluene	1.2		330
trans-1,2-Dichloroethene			3.7
Trichloroethene	11	82	5100
Trichlorofluoromethane			34
Xylenes (total)		16	480

Notes:

µg/m^3 - Micrograms per cubic meter
µg/kg - Micrograms per kilogram
µg/L - Micrograms per liter
VOCs - Volatile Organic Compounds

Table 2. Known SVOC, Pesticide, PCB and Metals Contaminants in Soil, 149 Kent Avenue, Brooklyn, New York

Parameter	Maximum Concentration Detected in Soil (Concentrations in µg/kg)
SVOCs	
Acenaphthene	1,800
Acenaphthylene	2,200
Anthracene	5,700
Benzo[a]anthracene	17,000
Benzo[a]pyrene	18,000
Benzo[b]fluoranthene	19,000
Benzo[g,h,i]perylene	21,000
Benzo[k]fluoranthene	7,500
Bis(2-ethylhexyl) phthalate	3,700
Butyl benzyl phthalate	200
Carbazole	2,100
Chrysene	16,000
Di-n-butyl phthalate	210
Dibenz(a,h)anthracene	4,300
Dibenzofuran	2,800
1,2-Dichlorobenzene	700
1,4-Dichlorobenzene	380
Fluoranthene "	27,000
Fluorene	2,700
Indeno[1,2,3-cd]pyrene	21,000
2-Methylnaphthalene	1,700
Naphthalene	3,600
Phenanthrene	15,000
Pyrene	28,000
1,2,4-Trichlorobenzene	220
4-Methylphenol	210
Pentachlorophenol	98
Phenol	170
Pesticides/ PCBs	
4,4'-DDD	100
4,4'-DDE	150
4,4'-DDT	1,500
alpha-BHC	17
beta-BHC	1.9
delta-BHC	2.6
Dieldrin	7.4
Endosulfan I	0.2
Endosulfan II	5.6
Endosulfan sulfate	15
Endrin	5.9
Endrin aldehyde	24
Heptachlor	1.6
Heptachlor epoxide	6.3

Table 2. Known SVOC, Pesticide, PCB and Metals Contaminants in Soil, 149 Kent Avenue, Brooklyn, New York

Parameter	Maximum Concentration Detected in Soil (Concentrations in µg/kg)
Methoxychlor	230
alpha-Chlordane	3.9
gamma-Chlordane	26
PCB-1248	100
PCB-1254	12,000
PCB-1260	1,400
Metals	
Silver	1,200
Aluminum	23,200,000
Arsenic	74,000
Barium	205,000
Beryllium	830
Calcium	52,900,000
Cadmium	4,600
Cobalt	19,400
Chromium	83,900
Copper	102,000
Iron	52,300,000
Potassium	6,430,000
Magnesium	12,200,000
Manganese	1,110,000
Sodium	1,800,000
Nickel	44,600
Lead	12,000,000
Antimony	7,400
Selenium	2,500
Thallium	3,500
Vanadium	77,800
Zinc	398,000
Mercury	1,100

Notes:
µg/kg - Micrograms per kilogram
SVOCs - Semivolatile Organic Compounds
PCB - Polychlorinated byphenyls

Section VII. Property's Environmental History
Part 3. Suspected Contaminants
Attachment I

According to the analytical data summary tables included in the 2008 AKRF Memorandum, groundwater samples were analyzed exclusively for VOCs. Subsurface soils were analyzed for VOCs, SVOCs, metals, PCBs and pesticides. Based upon the analytical data provided, several SVOCs and metals were detected at levels above their respective soil cleanup objectives at or below the assumed elevation of the groundwater table. Due to the elevated levels of SVOCs and metals, it is possible that the groundwater has been impacted by these compounds.

Roux Associates will prepare a Remedial Investigation Work Plan for submittal to the NYSDEC in order to further delineate the extent of the subsurface impacts at the Site.

Section VII Property's Environmental History
Attachment J
Part 6. Former Owners/ Operators

Unknown date – 4/12/1985

- Owner/ Operator:
  Brooklyn Eastern District Terminal (There is no relationship between Requestor(s) and prior owner)
  334 Furman Street
  Brooklyn NY 11201

4/12/85 – 5/8/85

- Owner & Operator:
  The Western Carpet and Linoleum Co. Inc.
  202 Wythe Avenue
  Brooklyn, NY 11211
  (516) 857-7005

5/8/85 – 2/15/2001

- Owner:
  New York City Industrial Development Agency (There is no relationship between Requestor(s) and prior owner)
  17 John Street
  New York, NY 10083

- Operator:
  The Western Carpet and Linoleum Co. Inc.
  202 Wythe Avenue
  Brooklyn, NY 1211
  (516) 857-7005

2/15/2001 – 12/20/2001

- Owner & Operator:
  The Western Carpet and Linoleum Co. Inc.
  202 Wythe Avenue
  Brooklyn, NY 11211
  (516) 857-7005

12/20/2001 – Present

- Owner from 12/20/2001 – Present:
  149 Kent Avenue LLC
  1 Cow Lane
  Great Neck, NY 11024
  (516) 857-7005

- Operator from 12/20/2001 – 11/13/2006:
  The Western Carpet and Linoleum Co. Inc.
  202 Wythe Avenue
  Brooklyn, NY 1211
  (516) 857-7005

- Operator from 11/13/2006 – 2011:
  Western Carpet, LLC (There is no relationship between the Requestor(s) and the operator).
  202 Wythe Avenue
  Brooklyn, NY 11211
  (516) 857-7005

Section VIII Contact List Information
Attachment K

i. Local Officials

Mayor Michael Bloomberg
City of New York
253 Broadway
New York, NY 10007-1200

Stephen Levin
Council Member - District 33
410 Atlantic Avenue
Brooklyn, NY 11217

Daniel L. Squadron
NYS Senator – District 25
209 Joralemon Street Borough Hall
Room 310, Brooklyn, NY 11201

Amanda M. Burden, Director
Department of City Planning
22 Reade Street
New York, NY 10007-1216

Marty Markowitz
Brooklyn Borough President
209 Joralemon Street
Brooklyn, NY 11201

Department of City Planning
Brooklyn Borough Office
16 Court Street
Brooklyn, NY 11241

Joseph Lentol
NYS Assembly – District 50
619 Lorimer Street
Brooklyn, NY 11211

ii. Current Owners and Occupants of the Subject Site and Adjacent Sites

149 Kent Avenue is currently owned by 149 Kent Avenue LLC. There are no current tenants in the building. A list of adjacent properties are provided below.

135 Kent Avenue Management Corp
135 Kent Avenue
Brooklyn, NY 11211

Coffee Bar
135 Kent Avenue
Brooklyn, NY 11211

Site Address:
34 North 6th Street
Brooklyn, NY 11211
Owner Address:
42-09 235th Street
Douglaston, NY 11363

Citiwindows
135 Kent Avenue
Brooklyn, NY 11211

48 N. 6th Deli
48 North 6th Street
Brooklyn, NY 11211

Meg Clothing
54 North 6th Street
Brooklyn, NY 11211

Freshkills Furniture
50 North 6th Street
Brooklyn, NY 11211

Music Hall of Williamsburg
66 North 6th Street
Brooklyn, NY 11211
Owner Address:
66/ 68 N. 6 Realty Corp.
319 Frost Street
Brooklyn, NY 11222

Jane's Closet
60 North 6th Street
Brooklyn, NY 11211
Owner Address:
60 N. 6th Street LLC
319 Frost Street
Brooklyn, NY 11222

Public Assembly
70 North 6th Street
Brooklyn, NY 11211
Owner Address:
70/ 72 N. 6th Realty Corp.
319 Frost Street
Brooklyn, NY 11222

Dankyle Realty IV, LLC
76 N. 6th Street
Brooklyn, NY 11211
Owner Address:
6535 Renwood Lane
Annandale, VA 22003

ABA Realty Management
169 Wythe Avenue
Brooklyn, NY 11211

Cubana Social
74 North 6th Street
Brooklyn, NY 11211
Owner Address:
N. 6th Realty Corp.
319 Frost Street
Brooklyn, NY 11222

151 Kent Avenue LLC
151 Kent Avenue
Brooklyn, NY 11211
Owner Address:
FNW Realty Corp.
54-06 Myrtle Avenue
Queens, NY 11385

SM Wythe LLC
202 / 204 Wythe Avenue
Brooklyn, NY 11211

Built By Wendy
46 North 6th Street
Brooklyn, NY 11211
Owner Address:
3rd Drawer LLC
220 Miramonte Avenue
Palo Alto, CA 94306

Mancini Family Limited Partnership
173 & 175 Kent Avenue
Brooklyn, NY 11211
Owner Address:
53-55 63rd Street
Maspeth, NY 11378

Acky, Inc.
80 North 5th Street
Brooklyn, NY 11211

YMCA Bedford Stuyvesant Branch
Director: Sonia Atherly
1121 Bedford Avenue
Brooklyn, NY 11261

Chabad of North Brooklyn Hebrew School
Director: Leah Lein
132 N. 5th
Brooklyn, NY 11211

iii. Local News Media

The New York Times
229 West 43rd Street
New York, NY 10036

Brooklyn Eagle
30 Henry Street
Brooklyn, NY 11201

News 12 Brooklyn
164 20th Street
Brooklyn, NY 11232

1010 WINS-CBS Radio
888 7th Avenue, 10th Floor
New York NY 10106

Community Board #1 Brooklyn
435 Graham Avenue
Brooklyn, NY 11211

iv. Public Water Supplier

Public water is provided from Upstate NY reservoirs by the City of New York, Department of Environmental Protection (Consumer Service Center: 59-17 Junction Boulevard, 10th Floor, Flushing, NY 11373).

v. Document Repository

Brooklyn Public Library
Greenpoint Branch
107 Norman Avenue
Brooklyn, NY 11222

NYSDEC, Region #2 Office
47-40 21st Street
Long Island City, NY 11101
(718) 482-4891

Please see attached copy of correspondence sent to the Greenpoint Branch of Brooklyn Public Library as a request to act as document repository. The Letter of Approval from the repository is also attached.

.

From:	Croker, Kure
To:	Maria Drakos
Cc:	Brogan, Thomas; Roman, Karen; Croker, Kure
Subject:	RE: Document Repository Request
Date:	Tuesday, April 24, 2012 10:39:18 AM

Greetings Maria,

We can be a repository for these document once you take the site through the New York State Dept. of Environmental Conservation (NYSDEC) Brownfields Cleanup Program (BCP). We would need hard copy because our computers will not support electric copies of the reports and the public will need to be able to access the information.

Please stay in contact at let us know when you have achieved NYSDEC/BCP status and will be delivering the documents.

Best,

Kure D. Croker

Kure D. Croker
Senior Librarian III
Library Information Supervisor (LIS) / Adult Specialist
Greenpoint Branch (41)
107 Norman Ave. Brooklyn, NY 11222
718-349-8504

From: Maria Drakos [mailto:mdrakos@rouxinc.com]
Sent: Mon 4/23/12 11:14 AM
To: Croker, Kure
Cc: t.brogan@brooklynpubiclibrary.org
Subject: Document Repository Request

Dear Ms. Croker,

I would like to follow up regarding the email I sent you a couple of weeks ago regarding the use of the Greenpoint Branch of the Brooklyn Public Library as the document repository for our project. Please see below and get back to me at your earliest convenience.

Roux Associates, an environmental consulting firm, is working for the owner of a property at 149 Kent Avenue, Brooklyn. We plan on taking the site through the New York State Dept. of Environmental Conservation (NYSDEC) Brownfields Cleanup Program (BCP). One of the requirements of the program is that a document repository be established for our reports. This is done as part of the mandated Community

Participation Plan which is a component of every BCP project in the state. Routinely libraries are used as repositories

We are requesting permission to use the Greenpoint Branch of the Brooklyn Public Library as the document repository for our project. This will require providing shelf space for Roux Associates reports for approximately 18 to 24 months. The shelf space required would be about 12 inches by 12 inches and ultimately the stack of reports might be 18 inches high. A total of six to seven reports (BCP Application, Remedial Investigation Work Plan, Remedial Investigation Report, Remedial Action Work Plan, Remedial Action Report, Final Engineering Report) will be produced over the course of the project. We would either send the reports by express delivery or deliver them by hand. If limited shelf space is an issue, please let us know. We can submit electronic versions of our reports, as necessary.

We hope you agree to accept our request.

Thanks so much for your help.

Sincerely,

Maria Drakos

Project Scientist

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We solve our clients' most challenging environmental problems.

Section IX Land Use Factors

Attachment L

1. Current Use: Business operations have ceased at the 149 Kent Avenue site as of 2011. The building is currently vacant.

4. Applicable Zoning Laws: As depicted in the attached Land Use Map (Attachment D), the redevelopment of the subject property is consistent with the zoning and planning in the surrounding area. 149 Kent Avenue, Brooklyn is included in the M1-2/R6A mixed use district.

The Mixed Use District (MX) was established to encourage investment in, and enhance the vitality of, existing neighborhoods with mixed residential and industrial uses in close proximity and create expanded opportunities for new mixed use communities. New residential and non-residential uses (commercial, community facility and light industrial) can be developed as-of-right and be located side-by-side or within the same building. Pairing an M1 district with an R3 through R10 district (e.g. M1-2/R6) ensures a balanced variety of uses. Residential uses are generally subject to the bulk controls of the governing residence district; commercial, industrial and community facility uses are subject to the M1 district bulk controls, except that community facilities are subject to residential FAR limits. Most light industrial uses are permitted in each MX district as-of-right, others are subject to restrictions and Use Group 18 uses are excluded altogether, except for small breweries.

The subject property was assigned an E-designation as part of the Greenpoint-Williamsburg Rezoning because the potential for hazardous materials issues at the site was identified by the New York City Planning Commission and City Council. An E-designation requires the fee-owner of the property to conduct a subsurface testing protocol and remediation, where appropriate, to the satisfaction of the New York City Department of Environmental Protection before the issuance of a Building Permit and Certificate of Occupancy. The Site has been assigned an E-designation by the New York City Planning Commission and City Council for the following:

- E-138 (5/11/2005)
  - Hazardous Materials (Underground Gasoline Storage Tanks Testing Protocol)
- E-227 (6/30/2009)
  - Air Quality - #2 fuel oil or #4 fuel oil or natural gas for HVAC systems
  - Exhaust stack locations limitations Hazardous Materials Phase I and II Testing Protocol

5. Comprehensive Plans: As depicted in the attached Land Use Map (Attachment D), the redevelopment of 149 Kent Avenue is consistent with the surrounding community redevelopment plans.

6. Environmental Justice Concerns: According to the NYSDEC data base for environmental justice concerns, a small portion of the lot at 149 Kent Avenue, Brooklyn is part of a Potential Environmental Justice Areas (PEJAs).

8. Population Growth Patterns: According to population growth patterns and projections, the proposed redevelopment of 149 Kent Avenue into a mixed-use residential and commercial building will be supportive of the growing community.

12. Flood Plains: Based on review of the floodplain maps provide by FEMA, 149 Kent Avenue is within a ½ mile of both the 100 and 500 year floodplains.

14. Adjacent Uses: 149 Kent Avenue is located in the borough of Brooklyn, New York. The Site is located in an urban neighborhood comprised of mixed-use commercial and residential buildings as well as a few industrial buildings. East River State Park, a seven acre recreational waterfront park located along the East River is approximately 500 feet from the Site. Additionally, the Bedford-Stuyvesant Branch of YMCA and the Chabad of North Brooklyn Hebrew School are located within 1000 feet of 149 Kent Avenue. Lastly, there are no agricultural areas in the vicinity of the Site.

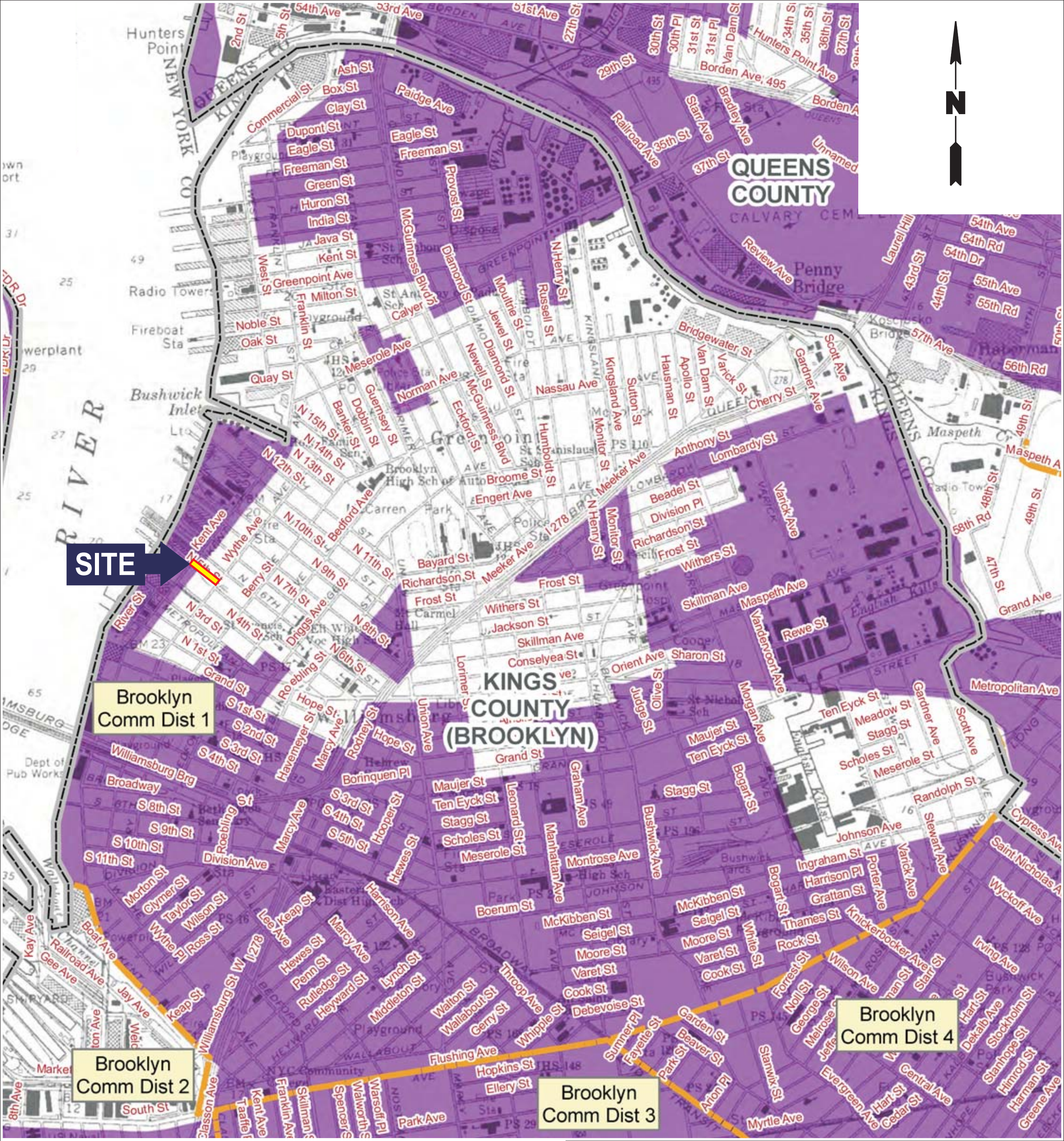
Surrounding land use is depicted on Figure 3 (Land Use Map). Immediately north of the site are several commercial/retail buildings including (listed from west to east) a coffee bar, CitiWindows, 48 N.6th Deli, FreshKills Furniture, Meg Clothing, Built by Wendy, Jane's Closet, Music Hall of Williamsburg, Public Assembly, Cubana Social and two vacant lots owned by Dan Kyle Realty IV, LLC. A vacant mixed residential/commercial use building owned by SM Wythe LLC and an industrial use building owned by 151 Kent Avenue LLC are both located directly south of the lot. Two vacant industrial use lots owned by Mancini Family Limited Partnership and a commercial use building owned by ABA Realty Management are located directly east to the Site. A building of mixed residential/commercial use is located adjacent to the west of the Site.

15. Groundwater Vulnerability: There are no known wellhead protection areas or specifically designated groundwater recharge areas in the vicinity of the site. Contamination migrating from the site would likely flow in a westerly direction towards the East River, which is tidally influenced. The hydraulic relationship between groundwater and the East River is unknown at this time.

16. Geography and Geology: The surface topography in the surrounding area is generally flat, gradually sloping northwest towards the East River. Based on reports compiled by the United States Geological Survey (Brooklyn, NY Quadrangle), the property lies at an elevation of approximately 20 feet above the National Geodetic Vertical Datum of 1929 (an approximation of

mean sea level). The on-site building slab, which occupies the entire property, is elevated approximately 3 feet above street level.

According to previous investigations near the site and geotechnical borings completed at the site, the top 8 – 12 feet of soil is miscellaneous fill. This is underlain by a fine to medium sand with silt and clay layers of varying thicknesses. United States Geological Survey reports indicate that the depth to bedrock at the site is expected to be approximately 100 feet below ground surface. Based on local topography, groundwater most likely flows in a west-southwest direction toward the East River, located approximately 500 feet from the subject site. However, actual groundwater flow direction at the site can be affected by many factors including past filling activities, tidal influence, underground utilities and other subsurface openings or obstructions such as basements.



This computer representation has been compiled from supplied data or information that has not been verified by EPA or NYSDEC. The data is offered here as a general representation only and is not to be used for commercial purposes without verification by an independent professional qualified to verify such data or information.

Neither EPA nor NYSDEC guarantee the accuracy, completeness, or timeliness of the information shown and shall not be liable for any loss or injury resulting from reliance.

Data Source for Potential Environmental Justice Areas: U.S. Census Bureau, 2000 U.S. Census

Legend

- Potential EJ Area
- County Boundary
- Community District

0 2000'

Title:

POTENTIAL ENVIRONMENTAL JUSTICE AREAS

149 KENT AVENUE
BROOKLYN, NEW YORK

Prepared for:

KENT & WYTHE OWNERS LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

		FIGURE
Compiled by: M.D.	Date: 17APR12	4
Prepared by: J.A.D.	Scale: AS SHOWN	
Project Mgr.: J.D.	Project No.: 2158.0001Y00	
File: 2158.0001Y100.04.CDR		

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