SYDNEY HOUSE

839-843 Tilden Street

BRONX, NEW YORK

Remedial Action Work Plan

& STIP List (2/26/2016)

NYC VCP Project Number 16CVCP038X
OER Project Number 15EH-A543X

Prepared For:

Habitat for Humanity, NYC
111 John Street, 23rd Floor
New York, New York 10038
(212) 991-4000

Prepared By:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie, New York 12603
(845) 452-1658

February 2016

Ecosystems Strategies, Inc.
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February 26, 2016

New York City Office of Environmental Remediation
City Voluntary Cleanup Program
c/o Shaminder Chawla
100 Gold Street, 2nd Floor
New York, NY 10038 via EMAIL: ShaminderC@dep.nyc.gov

Re: VCP # 16CVCP038X
E-Designation # 15EH-A543X
839-843 Tilden Street, Bronx, New York 10467
Remedial Action Work Plan (RAWP) Stipulation List
ESI File: HB15073.50

Dear Mr. Chawla:

Ecosystems Strategies, Inc. hereby submits a Remedial Action Plan (RAWP) Stipulation List for the Site to the New York City Office of Environmental Remediation (OER) on behalf of Habitat for Humanity, NYC. This letter serves as an addendum to the RAWP to stipulate additional content, requirements, and procedures that will be followed during the site remediation. The contents of this list are added to the RAWP and will supersede the content in the RAWP where there is a conflict in purpose or intent. The additional requirements/procedures include the following Stipulation List below:

1. The criterion attached in **Appendix 1** will be utilized if additional petroleum containing tanks or vessels are identified during the remedial action or subsequent redevelopment excavation activities. All petroleum spills will be reported to the NYSDEC hotline as required by applicable laws and regulations. This contingency plan is designed for heating oil tanks and other small or moderately sized storage vessels. If larger tanks, such as gasoline storage tanks are identified, OER will be notified before this criterion is utilized.

2. A pre-construction meeting is required prior to start of remedial excavation work at the site. A pre-construction meeting will be held at the site and will be attended by OER, the developer or developer representative, the consultant, excavation/general contractor, and if applicable, the soil broker.

3. A Historic Fill Transfer and Disposal Notification Form to each disposal facility and a pre-approval letter from all disposal facilities will be provided to OER prior to any soil/fill material removal from the site. The Historic Fill Transfer and Disposal Notification Form template is attached in **Appendix 2**. Documentation specified in the RAWP - Appendix 3 - Section 1.6 “Materials Disposal Off-Site” will be provided to OER. If a different disposal facility for the soil/fill material is selected, OER will be notified immediately.

4. Signage for the project will include a sturdy placard mounted in a publically accessible right of way to building and other permits signage will consist of the NYC VCP Information Sheet (attached **Appendix 3**) announcing the remedial action. The Information sheet will be laminated and permanently affixed to the placard.

5. If the site contains hazardous waste that will be excavated and disposed of offsite, OER will work with the Volunteer to seek an exemption for the property from the $130/ton state Hazardous Waste Program Fee. To qualify for an exemption, the site must be enrolled in the city Voluntary Cleanup Program; hazardous waste must result from remedial action set forth in a cleanup plan approved by OER; and OER must oversee the cleanup. It is the Volunteer's responsibility to notify the OER Project Manager, copying supervising Project Manager and Shaminder Chawla, before hazardous waste is shipped from your site. Unless the Department of Environmental Conservation is notified before waste is shipped from your site, you may not receive an exemption from the fee. The exemption does not cover, and the Volunteer remains liable for, the Special Assessment on Hazardous Waste (established by ECL§ 27-0923) which charges a fee of up to $27 per ton for hazardous waste generated that is due at the State Department of Taxation and Finance 30 days after the end of the quarter in which the waste was generated. **Appendix 4** includes additional information about the Exemption for Hazardous Waste Program Fee.

6. Collection and analysis of seven end-point samples from the bottom of the excavation to evaluate the performance of the remedy with respect to attainment of Track 2 SCOs. Samples will be analyzed for contaminants of concern VOCs, SVOCs, metals, PCBs, and pesticides.

7. OER requires parties seeking City Brownfield Incentive Grants to carry insurance. For a cleanup grant, both the excavator and the trucking firm(s) that handle removal of soil must carry or be covered under a commercial general liability (CGL) policy that provides $1 million per claim in coverage. OER recommends that excavators and truckers also carry contractors pollution liability (CPL) coverage, also providing $1 million per claim in coverage. The CGL policy, and the CPL policy if obtained, must name the City of New York, the NYC Economic Development Corporation, and Brownfield Redevelopment Solutions as additional insured. For an investigation grant, an environmental consultant must be a qualified vendor in the BIG program and carry $1 million of professional liability (PL) coverage. A fact sheet regarding insurance is attached as **Appendix 5**.

8. Daily reports will be provided during active excavation work. If no work is performed for extended time period, daily report frequency will be reduced to weekly basis. A daily report template is attached in **Appendix 6.**

9. Monthly reports will be provided by the owner/developer after excavation work is completed for the duration of the construction period. A monthly report template is attached in **Appendix 7**.

10. Trucking log sheets will be utilized as trucks are transported from sites, and completed logs should be attached to the Remedial Action Report (RAR) as an appendix. The goal of this log is to clearly document the destination of material leaving the site, the parties responsible for its transfer, and other pertinent details. The trucking log template is provided in **Appendix 8**.

11. Truck route is included in **Appendix 9.**

Sincerely,

ECOSYSTEMS STRATEGIES, INC.

Paul H. Ciminello
President

cc: Sarah Pong, NYCOER SPong@nyc.dep.gov
Tara Duvivier, Habitat for Humanity tduvuvier@habitatnyc.org
Elan Peskin, Habitat for Humanity epeskin@habitatnyc.org
Jolanda Jansen, Jansen Engineering, LLC jgjansen@jansen-engineering.com
Adam Atkinson, ESI adam@ecosystemsstrategies.com
Scott Spitzer, ESI scott@ecosystemsstrategies.com

Appendix 1
Generic Procedures for Management of Underground Storage Tanks
Identified under the NYC VCP

Prior to Tank removal, the following procedures should be followed:

- Remove all fluid to its lowest draw-off point.
- Drain and flush piping into the tank.
- Vacuum out the "tank bottom" consisting of water product and sludge.
- Dig down to the top of the tank and expose the upper half.
- Remove the fill tube and disconnect the fill, gauge, product, vent lines and pumps. Cap and plug open ends of lines.
- Temporarily plug all tank openings, complete the excavation, remove the tank and place it in a secure location.
- Render the tank safe and check the tank atmosphere to ensure that petroleum vapors have been satisfactorily purged from the tank.
- Clean tank or remove to storage yard for cleaning.
- If the tank is to be moved, it must be transported by licensed waste transporter. Plug and cap all holes prior to transport leaving a 1/8 inch vent hole located at the top of the tank during transport.
- After cleaning, the tank must be made acceptable for disposal at a scrap yard, cleaning the tanks interior with a high pressure rinse and cutting the tank in several pieces.

During the tank and pipe line removal, the following field observations should be made and recorded:

- A description and photographic documentation of the tank and pipe line condition (pitting, holes, staining, leak points, evidence of repairs, etc.).
- Examination of the excavation floor and sidewalls for physical evidence of contamination (odor, staining, sheen, etc.).
- Periodic field screening (through bucket return) of the floor and sidewalls of the excavation, with a calibrated photoionization detector (PID).

<u>Impacted Soil Excavation Methods</u>
The excavation of the impacted soil will be performed following the removal of the existing tanks. Soil excavation will be performed in accordance with the procedures described under Section 5.5 of Draft DER-10 as follows:

- A description and photographic documentation of the excavation.
- Examination of the excavation floor and sidewalls for physical evidence of contamination (odor, staining, sheen, etc.).
- Periodic field screening (through bucket return) of the floor and sidewalls of the excavation, with calibrated photoionization detector (PID).

Final excavation depth, length, and width will be determined in the field, and will depend on the horizontal and vertical extent of contaminated soils as identified through physical examination (PID response, odor, staining, etc.). Collection of verification samples will be performed to evaluate the success of the removal action as specified in this document.
The following procedure will be used for the excavation of impacted soil (as necessary and appropriate):

- Wear appropriate health and safety equipment as outlined in the Health and Safety Plan.

- Prior to excavation, ensure that the area is clear of utility lines or other obstructions. Lay plastic sheeting on the ground next to the area to be excavated.
- Using a rubber-tired backhoe or track mounted excavator, remove overburden soils and stockpile, or dispose of, separate from the impacted soil.
- If additional UST's are discovered, the NYSDEC will be notified and the best course of action to remove the structure should be determined in the field. This may involve the continued trenching around the perimeter to minimize its disturbance.
- If physically contaminated soil is present (e.g., staining, odors, sheen, PID response, etc.) an attempt will be made to remove it, to the extent not limited by the site boundaries or the bedrock surface. If possible, physically impacted soil will be removed using the backhoe or excavator, segregated from clean soils and overburden, and staged on separated dedicated plastic sheeting or live loaded into trucks from the disposal facility. Removal of the impacted soils will continue until visibly clean material is encountered and monitoring instruments indicate that no contaminants are present.
- Excavated soils which are temporarily stockpiled on-site will be covered with tarp material while disposal options are determined. Tarp will be checked on a daily basis and replaced, repaired or adjusted as needed to provide full coverage. The sheeting will be shaped and secured in such a manner as to drain runoff and direct it toward the interior of the property.

Once the site representative and regulatory personnel are satisfied with the removal effort, verification of confirmatory samples will be collected from the excavation in accordance with DER-10.

Appendix 2

Historic Fill Transfer and Disposal Notification Form

Historic Fill & Soil Disposal Notification Form
New York City Office of Environmental Remediation

Date: _____

To operators and representatives of disposal facilities and government regulators:

The New York City Office of Environmental Remediation (OER) operates several environmental remediation regulatory programs in New York City that manage light to moderately contaminated properties that are planned for redevelopment. These projects commonly involve the removal of historical fill and soil from properties for development and other purposes. As with any environmental regulatory program, lawful transport and disposal of historic fill and soil is mandatory. It is also our highest priority.

Disposal facilities, recycling facilities and clean fill facilities (collectively, "receiving facilities") for historic fill and soil may be located in New York or neighboring states. Our research has indicated that a wide range of facility types and a complex set of regulatory requirements and obligations for a receiving facility operation exist within each jurisdiction. Receiving facilities are required to comply with applicable laws and regulations and may operate under state and local authority via permits, licenses, registrations, agreements and other legal instruments that dictate requirements for the material they can receive. Operating requirements may include adherence to applicable chemical standards, guidance levels, criteria, policy or other bases to determine the suitability for receipt of historical fill or soil at a receiving facility. Such requirements may also specify sample frequency, location, sampling method, chemical analytes, or analytical methods. Receiving facility soil/fill sampling requirements often differ from standard remedial investigation protocol performed in the original environmental study of the property.

Given the variability of data requirements for receiving facilities, the wide range of receiving facility types, and the complexity of regulatory requirements and obligations, OER is seeking to assist government regulators and facility operators and their technical representatives to achieve compliance with regulatory requirements for disposal of historic fill and soil at receiving facilities for projects we administer. Further, we seek to ensure that all of the data and information that is developed in OER's regulatory programs (for instance, site environmental history and soil chemistry) is available to government regulators and to facility managers when making decisions on suitability for disposal to a receiving facility.

This document provides formal notification from OER of the availability of environmental information regarding the physical and chemical content of historical fill and soil that is proposed for transfer to a disposal, recycling or clean fill facility from a property located at:

839-843 Tilden Street, Bronx, New York 10467
OER Site # 16CVCP038X

The above referenced property has undergone regulated environmental investigation and is the subject of remedial action work plan under the authority of OER. All environmental data and information generated during this regulatory process is available online in OER's Document Repository listed below. Be advised that many properties are also regulated under state environmental law, and additional data may be available from state agencies. OER reserves the right to share this information with applicable state regulators.

http://www.nyc.gov/html/oer/html/document-repository/document-repository.shtml

Note: when logged on to above URL, select the borough for the site (listed in the address above) and scroll through the list and select the address for the site (listed above). All documents are available in PDF format.

According to New York State DER-10 Technical Guidance for Site Investigation and Remediation, historical fill is non-indigenous fill material deposited on a property to raise its topographic elevation. The origin of historical fill is unknown but it is commonly known to contain ash from wood and coal combustion, slag, clinker, construction debris, dredge spoils, incinerator residue, and demolition debris. Historic fill is a regulated solid waste in the State of New York. Prior to making a determination regarding the suitability of historic fill and/or soil from this property for disposal at this receiving facility, **we strongly recommend that you review all of the data and information available for this property in our Document Repository** listed above. The repository includes:

- A Phase 1 history of use of the property;
- A Remedial Investigation Report for the property which includes:
    - Boring logs that describe physical observations of the historical fill material made by a trained environmental professional;
    - Chemical data for grab samples of historical fill collected during the remedial investigation;
- A Remedial Action Work Plan for the property.

If you have any questions, please contact Horace Zhang at (212) 788-8484 or Hzhang@dep.nyc.gov for more information.

Appendix 3
NYC VCP Signage

NYC Voluntary Cleanup Program

839-843 Tilden Street

Site #: 16CVCP038X

This property is enrolled in the New York City Voluntary Cleanup Program for environmental remediation. This is a voluntary program administered by the NYC Office of Environmental Remediation.

For more information,
log on to: www.nyc.gov/oer

Or scan with smart phone:

If you have questions or would like more information, please contact:

Shaminder Chawla at (212) 442-3007
or email us at brownfields@cityhall.nyc.gov

Appendix 4
Hazardous Waste Fee Exemption Fact Sheet

PlaNYC
NYC Office of Environmental Remediation

Exemption from the Hazardous Waste Program Fee

If your site is enrolled in the city Voluntary Cleanup Program and contains hazardous waste that will be excavated and disposed of offsite, OER can work with your development team to exempt your property from the $130/ton state Hazardous Waste Program fee. This exemption does not cover, and you remain liable for, the Special Assessment on Hazardous Waste (established by ECL§ 27-0923).

To qualify for an exemption from the Hazardous Waste Program Fee:

1. A site must be enrolled in the city Voluntary Cleanup Program;
2. Hazardous waste must result from remedial action set forth in a cleanup plan approved by OER; and
3. OER must oversee the cleanup.

Process for obtaining a Hazardous Waste Program Fee exemption:

For each VCP site, OER will submit three certifications to the New York State Department of Environmental Conservation (DEC):

1. OER will prepare a Notice of Potential Generation after a soil test shows a site contains hazardous waste. To prepare this Notice, you must provide your OER project manager with:

   - the site's EPA generator ID number;
   - the date of the soil test confirming hazardous waste;
   - the amount of hazardous waste in tons that you anticipate shipping offsite; and
   - the anticipated dates for the start and completion of remediation.

DEC must receive this form **before** hazardous waste is shipped from your site. Otherwise your claim for an exemption may be denied.

2. After hazardous waste has been removed from the site, OER will distribute a Certification of Hazardous Waste Generation to your project team which when filled out documents how the hazardous waste was managed. Once completed, it must be signed by the generator (or site owner) and the site's Qualified Environmental Professional and returned to your OER project manager with a copy to Shana Holberston sholbertson@dep.nyc.gov and Mark McIntyre mmcintyre@cityhall.nyc.gov.

3. OER will then issue a Certification of Remedial Action that Generated Hazardous Waste to DEC representing OER's approval of how a site managed its hazardous waste.

Upon OER's submission of the last two certifications to DEC, the agency will issue a written statement exempting an individual site from the Hazardous Waste Program Fee. OER will then notify the project of the exemption.

For further information, please contact:

Shana Holberton
Program Manager
(212) 788-3220
SHolberton@dep.nyc.gov

or

Mark McIntyre
General Counsel
(212) 788-3015
MMcintyre@cityhall.nyc.gov

Exemption from the Hazardous Waste Program Fee

Ongoing Obligations:

Regardless of the Hazardous Waste Program Fee exemption, parties must:

- File a Hazardous Waste Annual Report with DEC by March 1 of each year if your site generated 15 tons of hazardous waste or more in the relevant calendar year. For details, see http://www.dec.ny.gov/chemical/8770.html To set forth the basis for an exemption from the Hazardous Waste Program Fee, put an X in the Exempt Remedial box in Box H of Section 1 of the Waste Generation and Management (GM) form and in the Comments Box (at the bottom of the form) include "New York City Voluntary Cleanup Program, VCP Site Number_____)"; and

- Make quarterly payments of the Special Assessment on Hazardous Waste to the state Department of Taxation and Finance. For details see: http://www.tax.ny.gov/bus/haz/hzrdwste.htm

Appendix 5
BIG Program Insurance Fact Sheet

FACT SHEET – BIG PROGRAM INSURANCE REQUIREMENTS

Investigation Grants – for a developer or site owner to be eligible for a BIG investigation grant, its environmental consultant(s) must be:

- a Qualified Vendor in the BIG Program; and
- maintain Professional Liability (PL) insurance of $1M per claim and annual aggregate.

Cleanup Grants – for a developer or site owner to be eligible for a BIG cleanup grant:

- Its general contractor or excavation/foundation contractor hired to perform remedial work must maintain Commercial General Liability (CGL) insurance of at least $1M per occurrence and $2M in the general aggregate. It is recommended that the general contractor or excavation/foundation contractor also maintain a Contractors Pollution Liability policy (CPL) of at least $1M per occurrence.

- Its subcontractors who are hired by the general contractor etc. to perform remedial work at a site, including soil brokers and truckers, must also maintain a CGL policy in the amount and with the terms set forth above. It is recommended that subcontractors also maintain a CPL policy in the amount and with the terms set forth above.

  The CGL policy, and the CPL policy if in force, must list the city, EDC and BRS as additional insureds, include completed operations coverage and be primary and non-contributory to any other insurance the additional insureds may have.

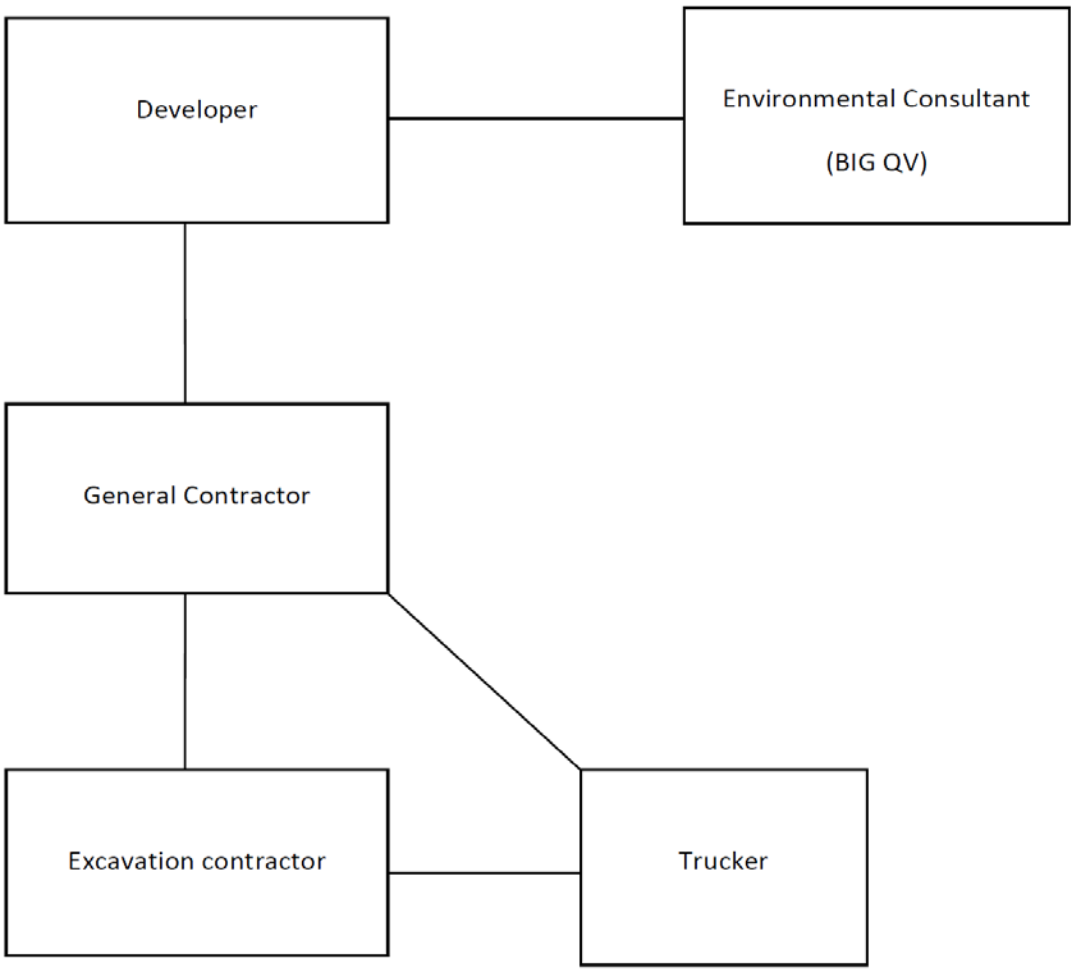
- Its environmental consultant(s) hired to oversee the cleanup must be:
  a. a BIG Qualifed Vendor; and
  b. maintain Professional Liability (PL) insurance of $1M per claim and annual aggregate.

If, in the alternative, the developer hires its environmental consultant to perform the cleanup, the environmental consultant must maintain CGL insurance in the amount and with the terms set forth above. It is recommended that the environmental consultant also maintain CPL coverage in the amount and with the terms set forth in the first two bulleted items listed above.

A schematic presenting the contractual relationships described above appears on page 2. Parties who must be named as Additional Insureds on Cleanup Grant insurance policies (CGL and CPL) are presented on page 3.

Example of Contractual Relationships for Cleanup Work

The Office of Environmental Remediation's Voluntary Cleanup Plan program requires applicants to identify the parties who are engaged in active remediation of their sites including: the General Contractor hired to remediate and/or the excavation contractor hired to excavate soil from the site and the trucking firm(s) that remove soil from the site for disposal at approved facilit(ies).



The chart above shows contractual relationships that typically exist for projects that are enrolled in the Voluntary Cleanup Program.

BIG Program Additional Insureds

The full names and addresses of the additional insureds required under the Required CGL Policy and recommended CPL Policy are as follows:

"City and its officials and employees"
New York City Mayor's Office of Environmental Remediation
253 Broadway, 14th Floor
New York, NY 10007

"NYC EDC and its officials and employees"
New York City Economic Development Corporation
110 William Street
New York, NY 10038

"BIG Grant Administrator and its officials and employees"
Brownfield Redevelopment Solutions, Inc.
739 Stokes Road, Units A & B
Medford, NJ 08055

Appendix 6
Daily Report Template

Office of Environmental Remediation

Daily Status Report Template
Version 1.3

Generic Template for Daily Status Report

Instructions

The Daily Status Report submitted to OER should adhere to the following conventions:

- Remove this cover sheet prior to editing.
- Remove all the red text and replace with site-specific information.
- Submit the final version as a Word or PDF file.

Daily Status Reports

Daily status reports providing a general summary of activities for each day of *active remedial work* will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the Site;
- Status of on-Site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP excursions, if any;
- Photograph of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an Appendix in the Remedial Action Report.

DAILY STATUS REPORT

Prepared By: Enter Your Name Here

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP000M	E-Number Project No.:	14EHAN000M	Date:	01/01/2014
Project Name:	Name or Address				

Consultant: Person(s) Name and Company Name	Safety Officer: Person(s) Name and Company Name
General Contractor: Person(s) Name and Company Name	Site Manager/ Supervisor: Person(s) Name and Company Name
Work Activities Performed (Since Last Report): Provide details about the work activities performed.	
Working In Grid #: A1, B1, C1	

Samples Collected (Since Last Report): No samples collected or provide details
Air Monitoring (Since Last Report): No air monitoring performed or provide details Prestart Conditions – PID = 0.0 ppm, Dust = 0.000 High Conditions – PID = 0.0 ppm, Dust = 0.000
Problems Encountered: No problems encountered or provide details
Planned Activities for the Next Day/ Week: Provide details about the work activities planned for the next day/ week.

									Example:	
Facility # Name/ Location Type of Waste Solid Or Liquid	Facility # Name Location Type of Waste Solid *Or* Liquid		Facility # Name Location Type of Waste Solid *Or* Liquid		Facility # Name Location Type of Waste Solid *Or* Liquid		Facility # Name Location Type of Waste Solid *Or* Liquid		# # # # # # # Clean Earth Carteret, NJ petroleum soils Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds.
Today									5	120
Total									25	600

NYC Clean Soil Bank		Receiving Facility: Name/ Address (Approved by OER)			
Tracking No.:	13CCSB000				
Today	Trucks 5	Cu. Yds. 25	Total	Trucks 120	Cu. Yds. 600

Site Grid Map

Insert the site grid map here

Photo Log

Photo 1 – provide a caption	Insert Photo Here – Photo of the entire site
Photo 2 – provide a caption	Insert Photo Here – Photo of the work activities performed
Photo 3 – provide a caption	Insert Photo Here – Photo of the work activities performed

Appendix 7
Monthly Report Template

WEEKLY/MONTHLY STATUS REPORT

Prepared By: Enter Your Name Here

VCP Project No.:	14CVCP000M	E-Number Project No.:	14EHAN000M	Date:	01/01/2014

Project Name:	Name or Address

Project Updates (Since Last Report):
Provide details about the work activities performed.

Problems Encountered:
No problems encountered or provide details

Planned Activities for the Next three months:
Provide details about the future work activities.

Photo Log

Photo 1 – provide a caption	Insert Photo Here – Photo of the entire site
Photo 2 – provide a caption	Insert Photo Here – Photo of the work activities performed
Photo 3 – provide a caption	Insert Photo Here – Photo of the work activities performed

Appendix 8
Soil Disposal and Trucking Log Sheet

Shipment Date	Manifest Number	Transporter Name/Truck Name	License Plate	On-Site Location (approx. depth)	Off-Site Disposal Facility	Tonnage
8/25/2013	66357	ABC Trucking/201	NJ-AP458	WC-1(0-8')	Jones Landfill	32.90

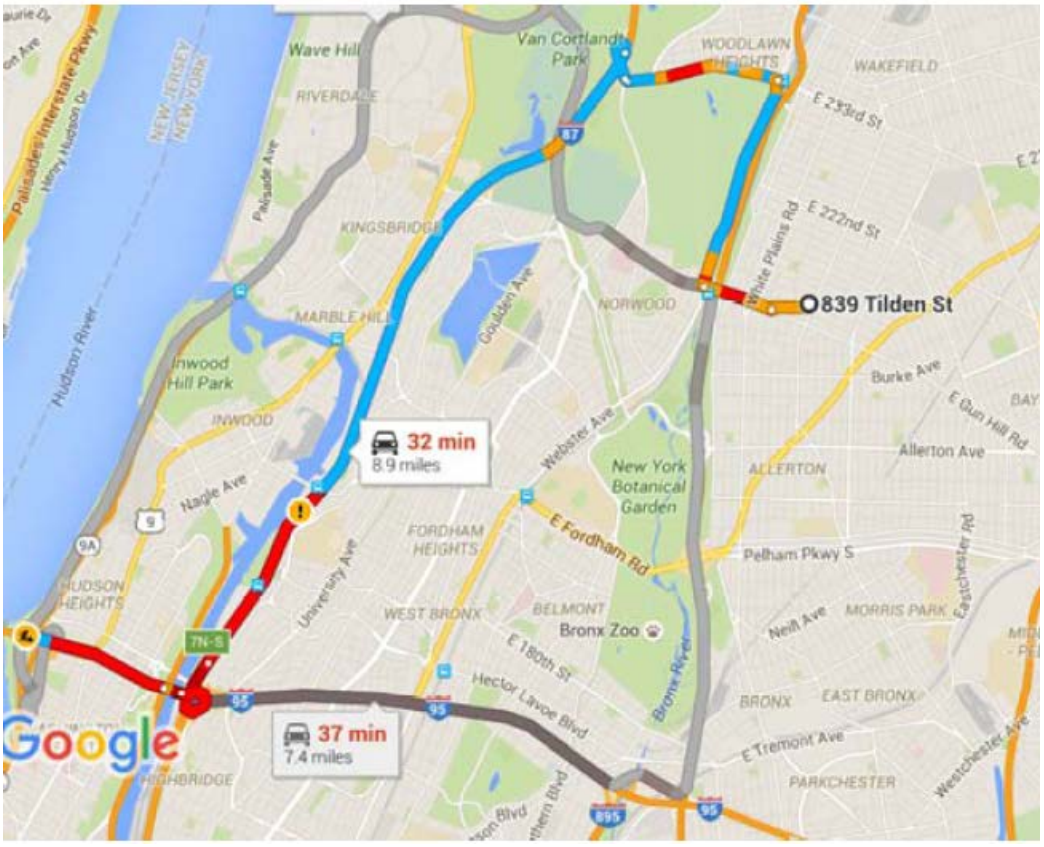
Appendix 9

Truck Route

Truck Route Directions – Final Destination to be Determined

1. 839-843 Tilden St, Bronx, NY 10467
2. Head west on Tilden St/Mattie Harris Pl toward Barnes Ave - 0.2 mi
3. Turn right onto E Gun Hill Rd - 0.4 mi
4. Turn right onto Webster Ave - 1.2 mi
5. Turn left onto east 233rd Street - 0.9 mi
6. Turn right onto Jerome Ave - 148 ft
7. Take ramp on left to I-87 S/Major Deegan Expressway - 0.3 mi
8. Merge onto I-87 South - 4.3 mi
9. Take exit 7N-S for I-95 S/U.S. 1 S toward Trenton - 0.1 mi
10. Keep left at fork, continue on I-95 Upper Level S/U.S. 1 S Upper Level - 0.8 mi
11. Enter New Jersey, proceed to approved repository (to be determined).

Truck Route Map – Final Destination to be Determined



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BRONX, NEW YORK

Remedial Action Work Plan

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Prepared By:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie, New York 12603
(845) 452-1658

January 2016

REMEDIAL ACTION WORK PLAN
TABLE OF CONTENTS

FIGURES

APPENDICES

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AS/SVE	Air Sparging/Soil Vapor Extraction
BOA	Brownfield Opportunity Area
CAMP	Community Air Monitoring Plan
C&D	Construction and Demolition
CEQR	City Environmental Quality Review
CFR	Code of Federal Regulations
CHASP	Construction Health and Safety Plan
COC	Certificate of Completion
CQAP	Construction Quality Assurance Plan
CSOP	Contractors Site Operation Plan
DCR	Declaration of Covenants and Restrictions
ECs/ICs	Engineering Controls and Institutional Controls
ELAP	Environmental Laboratory Accreditation Program
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations Emergency Response
IRM	Interim Remedial Measure
MNA	Monitored Natural Attenuation
NOC	Notice of Completion
NYS DEC	New York State Department of Environmental Conservation
NYC DEP	New York City Department of Environmental Protection
NYC DOHMH	New York State Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYC VCP	New York City Voluntary Cleanup Program
NYCRR	New York Codes Rules and Regulations
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation

Acronym	Definition
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
ORC	Oxygen-Release Compound
OSHA	United States Occupational Health and Safety Administration
PCBs	Polychlorinated Biphenyls
PE	Professional Engineer
PID	Photo Ionization Detector
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
RAOs	Remedial Action Objectives
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan or Plan
RCA	Recycled Concrete Aggregate
RD	Remedial Design
RI	Remedial Investigation
RMZ	Residual Management Zone
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SSDS	Sub-Slab Depressurization System
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCL	Target Compound List
USGS	United States Geological Survey
UST	Underground Storage Tank
VCA	Voluntary Cleanup Agreement
VOC	Volatile Organic Compound

CERTIFICATION

I, Jolanda Jansen, P.E. am currently a registered professional engineer licensed by the State of New York. I performed professional engineering services and had primary direct responsibility for designing the remedial program for the Sydney House Site, OER Project Number 15EH-A543X/16CVCP038X. I certify to the following:

- I have reviewed this document and the Stipulation List, to which my signature and seal are affixed.
- Engineering Controls developed for this remedial action were designed by me or a person under my direct supervision and designed to achieve the goals established in this Remedial Action Work Plan for this site.
- The Engineering Controls to be constructed during this remedial action are accurately reflected in the text and drawings of the Remedial Action Work Plan and are of sufficient detail to enable proper construction.
- This Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

Jolanda G. Jansen
Name

068972-1
PE License Number

Signature

1/7/2016
Date

I, Paul Ciminello, am a qualified Environmental Professional. I will have primary direct responsibility for implementation of the remedial program for the Sydney House Site, OER Project Number 15EH-A543X/ 16CVCP038X. I certify to the following:

- This Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

Paul H. Ciminello

QEP Signature

1/7/16
Date

EXECUTIVE SUMMARY

Habitat for Humanity is working with the NYC Office of Environmental Remediation (OER) in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 17,673-square foot site located at 839-843 Tilden Street in Bronx, New York. A remedial investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP). The remedial action described in this document provides for the protection of public health and the environment consistent with the intended property use, complies with applicable environmental standards, criteria and guidance and conforms with applicable laws and regulations.

Site Location and Background

The Site is located at 839-843 Tilden Street in the Williamsbridge section of Bronx, New York and is identified as Block 4671, Lots 2, 3, and 4 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 17,673 square feet and consists of three contiguous parcels. Lot 2 (843 Tilden Street) is 1,895-square feet and is bounded by an adjoining multi-family residential property to the north and east, Tilden Street to the south, and Lot 3 to the west. Lot 3 (841 Tilden Street) is 5,265-square feet and is bounded by multi-family residential properties to the north, multi-family residential properties and Lot 2 to the east, Tilden Street to the south, and Lot 4 to the west. Lot 4 (839 Tilden Street) is 10,513-square feet and is bounded by a vacant parcel to the north, Lot 3 to the east, Tilden Street to the south, and a vacant warehouse to the west. A map of the site boundaries is shown in Figure 2.

Currently, Lots 2 and 3 of the Site each contain a two-story, multi-family residential building with unmaintained front and rear yard areas. Lot 4 of the Site contains a small garage structure located at the southern portion of the parcel. The remainder of Lot 4 contains a paved parking area extending onto the northern portions of Lot 3.

Summary of Redevelopment Plan

The proposed development project consists of demolishing the current buildings and constructing a new seven-story, multi-family residential building (57 units) with a partial basement and landscaped rear yard. The footprint of the building will cover 12,729-square feet (72% of the lot) and will have partial basement that will occupy 6,761-square feet of the building

footprint (38% of the entire lot). The basement will be used for residential storage, mechanical, boiler, laundry, storage, and maintenance rooms. The remainder of the Site will consist of: a 2,766-square (16% of the entire lot) rear yard; a 594-square feet (3% of the entire lot) terrace; and, a 1,514-square feet (9% of the entire lot) front yard area. The first floor will contain 21 parking spaces, 950-square feet of recreational space, and a lobby/mailbox area. Floors 2-7 will consist of 57 residential units (twenty-six 1-bedroom, twenty-five 2-bedroom, and six 3-bedroom units). The second, third through sixth, and seventh floors will have 9, 10, and 8 units, respectively. The total square footage (including all enclosed building areas: cellar, first floor lobby and common areas, stairwells, and all upper floors) of interior space is 72,025 feet.

Excavation is estimated to extend approximately 12 feet bgs for construction of the basement level. This depth will not extend below the water table, which is greater than 22 feet bgs at the Site. Approximately 3,050 cubic yards (estimated in this RAP to be the equivalent of 4,250 tons) of soil will be excavated and removed from the Site [Note: this total includes an estimated 750 cubic yards of bedrock that will be removed as part of the basement excavation area].

As part of development, the referenced lots are expected to be merged (tentative lot number is unknown at this time). Proposed development plans are provided as Appendix 1. The current zoning designation is R6A, for residential use. The proposed use is consistent with existing zoning for the property.

Summary of Surrounding Property

The project site is located in the Williamsbridge section of the Bronx. Adjoining properties consist of: multi-family residential buildings and a vacant parcel to the north; multi-family residential buildings to the east; Tilden Street to the south; and, a vacant warehouse building to the west. The surrounding area to the north and east consist primarily of single-family residential structures. The surrounding area to the south and west primarily consists of commercial and multi-family residential structures. A day care facility is located in a residential structure approximately 500 feet southeast of the project site. No other sensitive receptors such as schools or hospitals are located within a 500 foot radius of the project site. Figure 2 shows the surrounding land usage.

Summary of Past Site Uses and Areas of Concern

Based upon review of the Phase I Environmental Site Assessments conducted by Singer Environmental Group in December of 2013 and Ecosystems Strategies in July 2015 as well as the information provided by the Site's current owner, the following Site history was established. The property was undeveloped as early as 1897, and was first developed with the current residential structures on Lots 2 and 3 (841 and 843 Tilden) sometime between 1897 and 1908. Lot 4 (839 Tilden Street) was historically used as a farm and a farm stand for the sale of livestock and produce and has since been used for parking from at least 2001.

The AOCs identified for this site include:

1. Lots 3 and 4 (839 and 841 Tilden Street) have received E-designations based on the suspected presence of hazardous or other environmentally significant materials
2. Potential poor-quality urban fill.
3. Pesticide use from on-site agricultural activities may have impacted the quality of on-site soils.
4. The northwest adjoining property is a registered PBS facility with several closed NYSDEC spill events and an open spill event is reported for a nearby property to the west.

Summary of Work Performed under the Remedial Investigation

On behalf of Habitat for Humanity, Ecosystems Strategies, Inc. (ESI), performed the following scope of work at the Site in August of 2015:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven soil borings across the entire project Site, and collected twelve (seven shallow and five subsurface) soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Attempted to install three groundwater monitoring wells throughout the Site to establish groundwater flow and evaluate groundwater quality; however, refusal was encountered at

depths ranging from 5 to 14 feet below grade, therefore no groundwater samples were collected. A grab sample of accumulated groundwater was collected from a piezometer installed during a subsequent geotechnical investigation. The sample was analyzed to evaluate groundwater quality within overburden soils; and

4. Installed five soil vapor probes throughout the Site and collected five samples (three sub-slab soil vapor and two soil vapor) for chemical analysis.

Summary of Findings of Remedial Investigation

1. Elevation of the property above mean sea level ranges from 101 to 107 feet.

2. Depth to groundwater ranges is currently unknown; however, depth to groundwater is greater than 22 feet below grade at the Site.

3. Groundwater flow at the property is likely present within the bedrock and direction of flow is unknown. Groundwater in the vicinity of the property is likely to follow surface elevations and travel from the northeast to southwest.

4. Depth to bedrock ranges from approximately 5 and 14 feet bgs and extends to at least 22 feet bgs at the Site.

5. The stratigraphy of the site, from the surface down, consists of 5 to 12 feet of variable texture sands (likely fill) underlain by silt and weathered rock/bedrock.

6. Soil/fill samples results were compared to NYSDEC Unrestricted Use SCOs and Restricted Residential SCOs as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples collected during the Phase II Investigation showed trace concentrations of several volatile organic compounds (VOCs) with acetone (max 0.077 mg/kg) exceeding Unrestricted Use SCOs. Several semi-volatile organic compounds (SVOCs) consisting of Polycyclic Aromatic Hydrocarbons (PAHs) compounds were also detected but none exceeding Unrestricted Use SCOs. Pesticides were detected in three shallow samples at concentrations exceeding Unrestricted Use SCOs, including 4,4'-DDD (max 0.0117 mg/kg); 4,4'-DDE (0.0127 mg/kg); and dieldrin (0.0133 mg/kg). Total PCBs (0.333 mg/kg) exceeded Unrestricted Use SCOs in one shallow sample. Several metals including chromium (max 46.2 mg/kg); copper (max 53 mg/kg); lead (max 129 mg/kg);

nickel (max 35.6 mg/kg); selenium (max 4.04 mg/kg); and zinc (max 227 mg/kg) were detected exceeding Unrestricted Use SCOs. Overall, soil chemistry is unremarkable and is similar to sites with historic fill in New York City.

7. A grab sample of groundwater was collected from a piezometer installed during a geotechnical survey (no meaningful volume of groundwater is present on the Site). Groundwater sample collected during the RI showed low-level VOCs that are commonly associated with solvents (e.g., acetone, 4-methyl-2-pentanone, carbon disulfide) and refined petroleum products (e.g., xylenes, toluene, 1,2,4-trimethylbenzene) that are likely derived from minor releases of automotive fluids and chemical cleaners within the on-site parking lot. Contamination from dissolved metals is limited to high levels of magnesium, manganese, and sodium. Elevated levels of total chromium, copper, cobalt, iron, lead, selenium, and vanadium were also identified. Metals contamination in groundwater at the Site is likely derived from on-site fill and/or natural site conditions.

8. Soil vapor results collected during the RI were compared to compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor samples collected during the Phase II Investigation showed moderate levels of petroleum-related VOCs. The petroleum related compounds ranged from 0.757 $\mu g/m^3$ to 14,000 $\mu g/m^3$. Cyclohexane detected at 740 $\mu g/m^3$ and n-Hexane detected at 14,000 $\mu g/m^3$ in SV-04 were the highest detected petroleum related compounds. Total concentrations of petroleum-related VOCs (BTEX) ranged from 15 to 62.34 $\mu g/m^3$. Chlorinated VOCs were also detected with tetrachloroethylene (PCE) detected at a maximum of 112 $\mu g/m^3$ and 1,1,1-trichloroethane detected at 1.59 $\mu g/m^3$. Carbon tetrachloride and trichloroethene (TCE) were not detected in any of the soil vapor samples. Concentration for PCE was above the monitoring level ranges established within the State DOH soil vapor guidance matrix.

Summary of the Remedial Action

The preferred remedy for the site is Alternative 2, Track 2 Restricted Residential Use SCOs. Data generated during the site investigation support the conclusion that Alternative 1 is not achievable because an active SSDS is required to be operated at this Site to mitigate elevated

petroleum compounds in soil vapor. The Alternative 2 remedy will remove all soil/fill exceeding Track 2 Restricted Residential Use SCOs throughout the Site, which will be confirmed with post-excavation sampling.

Engineering Controls are required for a Track 2 cleanup. A concrete slab covering most of the site (and at a minimum, 2 feet of clean soil in all landscaped/open areas) and vapor barrier in the areas of the new building would be installed as part of standard building development. Additional soil vapor management would include an active SSDS to address soil vapor contamination.

Use restrictions will be imposed on the site (including prohibitions on any use higher than Restricted Residential, e.g. the use of groundwater from the Site; prohibitions of restricted Site uses, such as farming or vegetable gardening, to prevent future exposure pathways. The Site would continue to be encumbered with an E-Designation for hazardous material.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYC VCP Citizen Participation activities according to an approved Citizen Participation Plan.
2. Performance of a Community Air Monitoring Program for particulates and volatile organic carbon compounds.
3. Establishment of Track 2 Restricted Residential Soil Cleanup Objectives (SCOs).
4. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.
5. Completion of a Waste Characterization Study prior to excavation activities. Waste characterization soil samples will be collected at a frequency dictated by disposal facility(s). A Waste Characterization Report documenting sample procedures, location, analytical results shall be submitted to NYCOER prior to start of remedial action.

6. Excavation and removal of soil/fill exceeding Track 2 Restricted Residential SCOs. For development purposes, 38% of the Site will be excavated approximately 12 feet bgs for the new building's basement level with the remaining portions of the Site excavated approximately 2 feet bgs for the slab-on-grade portion of the new building and front and rear yards. An estimated 4,250 tons of soil will be removed.
7. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID. Appropriate segregation of excavated media on-Site.
8. Management of excavated materials including temporarily stockpiling and segregating in accordance with defined material types and to prevent co-mingling of contaminated material and non-contaminated materials.
9. Removal of all UST's that are encountered during soil/fill removal actions. Registration of tanks and reporting of any petroleum spills associated with UST's and appropriate closure of these petroleum spills in compliance with applicable local, State and Federal laws and regulations.
10. Transportation and off-Site disposal of all soil/fill material at licensed or permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media on-Site.
11. Collection and analysis of end-point samples to determine the performance of the remedy with respect to attainment of SCOs.
12. Demarcation of residual soil/fill in landscaped areas.
13. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.
14. Construction of an engineered composite cover consisting of a minimum of five inches of concrete for the building slab, 6-inch concrete/asphalt ground surfaces in paved areas, and a minimum of two feet of clean soil over all landscaped/open spaces.

15. Installation of a vapor barrier system consisting of a vapor barrier beneath the building slab and outside of sub-grade foundation sidewalls to mitigate soil vapor migration into the building. The vapor barrier will consist of a VaporBlock® (or comparable product) vapor barrier system (20- mil thick) applied to the underside of building foundation. The sidewalls of the foundation will be sealed with Bituthene® System 4000 self-adhesive HDPE waterproofing membrane (or comparable product) up to grade level. All welds, seams and penetrations will be properly sealed to prevent preferential pathways for vapor migration.
16. Installation and operation of an active sub-slab depressurization system (SSDS). The SSDS will consist of 4 suction pits set in a gas permeable layer immediately beneath the basement building slab and vapor barrier system. Each suction pit will be connected to one of two non-perforated, sub-slab vent pipes that penetrate the cellar floor slab. The vent pipes will be manifolded to a single vertical riser that is routed from the basement area to the building roof. All system piping will consist of 4-inch cast iron pipe. An appropriately sized fan will be selected according to vacuum testing results and installed at least six inches above the roof line. A rain guard will be installed at the discharge point to prevent rain infiltration. The active SSDS is an Engineering Control for the remedial action. The remedial engineer will certify in the RAR that the active SSDS was designed and properly installed to establish a vacuum in the gas permeable layer and a negative (decreasing outward) pressure gradient across the building slab to prevent vapor migration into the building.
17. Construction and operation of a grade-level parking garage with high volume air exchange in conformance with NYC Building Code.
18. Performance of all activities required for the remedial action, including acquisition of required permits and attainment of pretreatment requirements, in compliance with applicable laws and regulations.
19. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.

20. Submission of a Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, lists any changes from this RAWP, and describes all Engineering and Institutional Controls to be implemented at the Site.
21. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.
22. The property will continue to be registered with an E-Designation at the NYC Buildings Department. Establishment of Engineering Controls and Institutional Controls in this RAWP and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

COMMUNITY PROTECTION STATEMENT

The NYC Office of Environmental Remediation (OER) provides governmental oversight for the cleanup of contaminated property in NYC. This Remedial Action Work Plan ("cleanup plan") describes the findings of prior environmental studies, shows the location of identified contamination at the site, and describes the plans to clean up the site to protect public health and the environment.

This cleanup plan provides a very high level of protection for neighboring communities and also includes many other elements that address common community concerns, such as community air monitoring, odor, dust and noise controls, hours of operation, good housekeeping and cleanliness, truck management and routing, and opportunities for community participation. The purpose of this Community Protection Statement is to explain these community protection measures in non-technical language to simplify community review.

Project Information:

- Site Address: 839-843 Tilden Street, Bronx, NY 10467
- NYC Voluntary Cleanup Program Project Number: 16CVCP038X

Project Contacts:

- OER Project Manager: Sarah Pong, 212-788-8841
- Site Project Manager: Adam Atkinson, 845-452-1658
- Site Safety Officer: Paul Ciminello, 845-452-1658

Online Document Repository:
http://www.nyc.gov/html/oer/html/document-repository/document-repository.shtml

Remedial Investigation and Cleanup Plan: Under the oversight of the NYC OER, a thorough study of this property (called a remedial investigation) has been performed to identify past property usage, to sample and test soils, groundwater and soil vapor, and to identify contaminant sources present on the property. The cleanup plan has been designed to address all contaminant sources that have been identified during the study of this property.

Identification of Sensitive Land Uses: Prior to selecting a cleanup, the neighborhood was evaluated to identify sensitive land uses nearby, such as schools, day care facilities, hospitals and residential areas. The cleanup program was then tailored to address the special conditions of this community.

Qualitative Human Health Exposure Assessment: An important part of the cleanup planning for the Site is a study to find all of the ways that people might come in contact with contaminants at the Site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment has considered all known contamination at the Site and evaluated the potential for people to come in contact with this contamination. All identified public exposures will be addressed under this cleanup plan.

Health and Safety Plan: This cleanup plan includes a Construction Health and Safety Plan (CHASP) that is designed to protect community residents and on-Site workers. The elements of this RAWP are in compliance with applicable safety requirements of the United States Occupational Safety and Health Administration (OSHA). This RAWP includes many protective elements including those discussed below.

Site Safety Coordinator: This project has a designated Site safety coordinator to implement the CHASP. The safety coordinator maintains an emergency contact sheet and protocol for management of emergencies. The Site safety coordinator is identified at the beginning of this Community Protection Statement.

Worker Training: Workers participating in cleanup of contaminated material on this project are required to be trained in a 40-hour hazardous waste operators training course and to take annual refresher training. This pertains to workers performing specific tasks including removing contaminated material and installing cleanup systems in contaminated areas.

Community Air Monitoring Plan: Community air monitoring will be performed during this cleanup project to ensure that the community is properly protected from contaminants, dust and

odors. Air samples will be tested in accordance with a detailed plan called the Community Air Monitoring Plan or CAMP. Results will be regularly reported to the NYC Office of Environmental Remediation. This cleanup plan also has a plan to address any unforeseen problems that might occur during the cleanup (called a 'Contingency Plan').

Odor, Dust and Noise Control: This cleanup plan includes actions for odor and dust control. These actions are designed to prevent off-Site odor and dust nuisances and includes steps to be taken if nuisances are detected. Generally, dust is managed by application of physical covers and by water sprays. Odors are controlled by limiting the area of open excavations, physical covers, spray foams and by a series of other actions (called operational measures). The project is also required to comply with applicable NYC noise control standards. If you observe problems in these areas, please contact the onsite Project Manager or NYC Office of Environmental Remediation Project Manager listed on the first page of this Community Protection Statement document.

Quality Assurance: This cleanup plan requires that evidence be provided to illustrate that all cleanup work required under the plan has been completed properly. This evidence will be summarized in the final report, called the Remedial Action Report. This report will be submitted to the NYC Office of Environmental Remediation and will be thoroughly reviewed.

Stormwater Management: To limit the potential for soil erosion and discharge, this cleanup plan has provisions for stormwater management. The main elements of the stormwater management include physical barriers such as tarp covers and erosion fencing, and a program for frequent inspection.

Hours of Operation: The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency. For this cleanup project, the hours of operation will conform to requirements of the NYC Department of Buildings.

Signage: While the cleanup is in progress, a placard will be prominently posted at the main entrance of the property with a laminated project Fact Sheet that states that the project is in the NYC Voluntary Cleanup Program and provides project contact names and numbers, and a link to the document repository where project documents can be viewed.

Complaint Management: The contractor performing this cleanup is required to address all complaints. If you have any complaints, you can call the facility Project Manager or the NYC Office of Environmental Remediation Project Manager listed on the first page of this Community Protection Statement document, or call 311 and mention the Site is in the NYC Voluntary Cleanup Program.

Utility Mark-outs: To promote safety during excavation in this cleanup, the contractor is required to first identify all utilities and must perform all excavation and construction work in compliance with NYC Department of Buildings regulations.

Soil and Liquid Disposal: All soil and liquid material removed from the Site as part of the cleanup will be transported and disposed of in accordance with all applicable City, State and Federal regulations, and required permits will be obtained.

Soil Chemical Testing and Screening: All excavations will be supervised by a trained and properly qualified environmental professional. In addition to extensive sampling and chemical testing of soils on the Site, excavated soil will be screened continuously using hand-held instruments, by sight, and by smell to ensure proper material handling and management, and community protection.

Stockpile Management: Soil stockpiles will be kept covered with tarps to prevent dust, odor and erosion. Stockpiles will be frequently inspected. Damaged tarp covers will be promptly replaced. Stockpiles will be protected with silt fences. Hay bales will be used, as needed, to protect storm water catch basins and other discharge points.

Trucks and Covers: Loaded trucks leaving the Site will be covered in compliance with applicable laws and regulations to prevent dust and odor. Trucks will be properly recorded in logs and records and placarded in compliance with applicable City, State and Federal laws, including those of the New York State Department of Transportation. If loads contain wet material that can leak, truck liners will be used. All transport of materials will be performed by licensed truckers and in compliance with applicable laws and regulations.

Imported Material: All fill materials proposed to be brought onto the Site will comply with rules outlined in this cleanup plan and will be inspected and approved by a qualified worker located on the Site. Waste materials will not be brought onto the Site. Trucks entering the Site with imported clean materials will be covered in compliance with applicable laws and regulations.

Equipment Decontamination: All equipment used for cleanup work will be inspected and washed, if needed, before it leaves the Site. Trucks will be cleaned at a truck inspection station on the property before leaving the Site.

Housekeeping: Locations where trucks enter or leave the Site will be inspected every day and cleaned regularly to ensure that they are free of dirt and other materials from the Site.

Truck Routing: Truck routes have / will be selected to: (a) limit transport through residential areas and past sensitive nearby properties; (b) maximize use of city-mapped truck routes; (c) limit total distance to major highways; (d) promote safety in entry to highways; (e) promote overall safety in trucking; and (f) minimize off-Site line-ups (queuing) of trucks entering the property. Operators of loaded trucks leaving the Site will be instructed not to stop or idle in the local neighborhood.

Final Report: The results of all cleanup work will be fully documented in a final report (called the Remedial Action Report) that will be available for public review online. A link to the online document repository and the public library with Internet access nearest the Site are listed on the first page of this Community Protection Statement document

Long-Term Site Management: If long-term protection is needed after the cleanup is complete, the property owner will be required to comply with an ongoing Site Management Plan that calls for continued inspection of protective controls, such as Site covers. The Site Management Plan is evaluated and approved by the NYC Office of Environmental Remediation. Requirements that the property owner must comply with are defined either in the property's deed or established through a city environmental designation registered with the Department of Buildings. A certification of continued protectiveness of the cleanup will be required from time to time to show that the approved cleanup is still effective.

REMEDIAL ACTION WORK PLAN

1.0 PROJECT BACKGROUND

Habitat for Humanity is working with the NYC Office of Environmental Remediation (OER) in the New York City Voluntary Cleanup Program (NYC VCP) and the "E" Designation Program to investigate and remediate a property located at 839-843 Tilden Street in the Williamsbridge section of Bronx, New York (the "Site"). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP) in a manner that will render the Site protective of public health and the environment consistent with the contemplated end use. This RAWP establishes remedial action objectives, provides remedial alternatives analysis that includes consideration of a permanent cleanup, and provides a description of the selected remedial action. The remedial action described in this document provides for the protection of public health and the environment, and complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 Site Location and Background

The Site is located at 839-843 Tilden Street in the Williamsbridge section of Bronx, New York and is identified as Block 4671, Lots 2, 3, and 4 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 17,673 square feet and consists of three contiguous parcels. Lot 2 (843 Tilden Street) is 1,895-square feet and is bounded by an adjoining multi-family residential property to the north and east, Tilden Street to the south, and Lot 3 to the west. Lot 3 (841 Tilden Street) is 5,265-square feet and is bounded by multi-family residential properties to the north, multi-family residential properties and Lot 2 to the east, Tilden Street to the south, and Lot 4 to the west. Lot 4 (839 Tilden Street) is 10,513-square feet and is bounded by a vacant parcel to the north, Lot 3 to the east, Tilden Street to the south, and a vacant warehouse to the west. A map of the site boundaries is shown in Figure 2.

Currently, Lots 2 and 3 of the Site each contain a two-story, multi-family residential building with unmaintained front and rear yard areas. Lot 4 of the Site contains a small garage structure located at the southern portion of the parcel. The remainder of Lot 4 contains a paved parking area extending onto the northern portions of Lot 3.

1.2 Redevelopment Plan

The proposed development project consists of demolishing the current buildings and constructing a new seven-story, multi-family residential building (57 units) with a partial basement and landscaped rear yard. The footprint of the building will cover 12,729-square feet (72% of the lot) and will have partial basement that will occupy 6,761-square feet of the building footprint (38% of the entire lot). The basement will be used for residential storage, mechanical, boiler, laundry, storage, and maintenance rooms. The remainder of the Site will consist of: a 2,766-square (16% of the entire lot) rear yard; a 594-square feet (3% of the entire lot) terrace; and, a 1,514-square feet (9% of the entire lot) front yard area. The first floor will contain 21 parking spaces, 950-square feet of recreational space, and a lobby/mailbox area. Floors 2-7 will consist of 57 residential units (twenty-six 1-bedroom, twenty-five 2-bedroom, and six 3-bedroom units). The second, third through sixth, and seventh floors will have 9, 10, and 8 units, respectively. The total square footage (including all enclosed building areas: cellar, first floor lobby and common areas, stairwells, and all upper floors) of interior space is 72,025 feet.

Excavation is estimated to extend approximately 12 feet bgs for construction of the basement level. This depth will not extend below the water table, which is greater than 22 feet bgs at the Site. Approximately 3,050 cubic yards (estimated in this RAP to be the equivalent of 4,250 tons) of soil will be excavated and removed from the Site [Note: this total includes an estimated 750 cubic yards of bedrock that will be removed as part of the basement excavation area].

As part of development, the referenced lots are expected to be merged (tentative lot number is unknown at this time). Proposed development plans are provided as Appendix 1. The current zoning designation is R6A, for residential use. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The project site is located in the Williamsbridge section of the Bronx. Adjoining properties consist of: multi-family residential buildings and a vacant parcel to the north; multi-family residential buildings to the east; Tilden Street to the south; and, a vacant warehouse building to the west. The surrounding area to the north and east consist primarily of single-family

residential structures. The surrounding area to the south and west primarily consists of commercial and multi-family residential structures. A day care facility is located in a residential structure approximately 500 feet southeast of the project site. No other sensitive receptors such as schools or hospitals are located within a 500 foot radius of the project site. Figure 2 shows the surrounding land usage.

1.4 Summary of Past Site Uses and Areas of Concern

Based upon review of the Phase I Environmental Site Assessments conducted by Singer Environmental Group in December of 2013 and Ecosystems Strategies in July 2015 as well as the information provided by the Site's current owner, the following Site history was established. The property was undeveloped as early as 1897, and was first developed with the current residential structures on Lots 2 and 3 (841 and 843 Tilden) sometime between 1897 and 1908. Lot 4 (839 Tilden Street) was historically used as a farm and a farm stand for the sale of livestock and produce and has since been used for parking from at least 2001.

The AOCs identified for this site include:

1. Lots 3 and 4 (839 and 841 Tilden Street) have received E-designations based on the suspected presence of hazardous or other environmentally significant materials
2. Potential poor-quality urban fill.
3. Pesticide use from on-site agricultural activities may have impacted the quality of on-site soils.
4. The northwest adjoining property is a registered PBS facility with several closed NYSDEC spill events and an open spill event is reported for a nearby property to the west.

1.5 Summary of Work Performed under the Remedial Investigation

On behalf of Habitat for Humanity, Ecosystems Strategies, Inc. (ESI), performed the following scope of work at the Site in August of 2015:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);

2. Installed seven soil borings across the entire project Site, and collected twelve (seven shallow and five subsurface) soil samples for chemical analysis from the soil borings to evaluate soil quality;

3. Attempted to install three groundwater monitoring wells throughout the Site to establish groundwater flow and evaluate groundwater quality; however, refusal was encountered at depths ranging from 5 to 14 feet below grade, therefore no groundwater samples were collected. A grab sample of accumulated groundwater was collected from a piezometer installed during a subsequent geotechnical investigation. The sample was analyzed to evaluate groundwater quality within overburden soils; and

4. Installed five soil vapor probes throughout the Site and collected five samples (three sub-slab soil vapor and two soil vapor) for chemical analysis.

1.6 Summary of Environmental Findings

1. Elevation of the property above mean sea level ranges from 101 to 107 feet.

2. Depth to groundwater ranges is currently unknown; however, depth to groundwater is greater than 22 feet below grade at the Site.

3. Groundwater flow at the property is likely present within the bedrock and direction of flow is unknown. Groundwater in the vicinity of the property is likely to follow surface elevations and travel from the northeast to southwest.

4. Depth to bedrock ranges from approximately 5 and 14 feet bgs and extends to at least 22 feet bgs at the Site.

5. The stratigraphy of the site, from the surface down, consists of 5 to 12 feet of variable texture sands (likely fill) underlain by silt and weathered rock/bedrock.

6. Soil/fill samples results were compared to NYSDEC Unrestricted Use SCOs and Restricted Residential SCOs as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples collected during the Phase II Investigation showed trace concentrations of several volatile organic compounds (VOCs) with acetone (max 0.077 mg/kg) exceeding Unrestricted Use SCOs. Several semi-volatile organic compounds (SVOCs) consisting of Polycyclic Aromatic Hydrocarbons (PAHs) compounds were also detected but none

exceeding Unrestricted Use SCOs. Pesticides were detected in three shallow samples at concentrations exceeding Unrestricted Use SCOs, including 4,4'-DDD (max 0.0117 mg/kg); 4,4'-DDE (0.0127 mg/kg); and dieldrin (0.0133 mg/kg). Total PCBs (0.333 mg/kg) exceeded Unrestricted Use SCOs in one shallow sample. Several metals including chromium (max 46.2 mg/kg); copper (max 53 mg/kg); lead (max 129 mg/kg); nickel (max 35.6 mg/kg); selenium (max 4.04 mg/kg); and zinc (max 227 mg/kg) were detected exceeding Unrestricted Use SCOs. Overall, soil chemistry is unremarkable and is similar to sites with historic fill in New York City.

7. A grab sample of groundwater was collected from a piezometer installed during a geotechnical survey (no meaningful volume of groundwater is present on the Site). Groundwater sample collected during the RI showed low-level VOCs that are commonly associated with solvents (e.g., acetone, 4-methyl-2-pentanone, carbon disulfide) and refined petroleum products (e.g., xylenes, toluene, 1,2,4-trimethylbenzene) that are likely derived from minor releases of automotive fluids and chemical cleaners within the on-site parking lot. Contamination from dissolved metals is limited to high levels of magnesium, manganese, and sodium. Elevated levels of total chromium, copper, cobalt, iron, lead, selenium, and vanadium were also identified. Metals contamination in groundwater at the Site is likely derived from on-site fill and/or natural site conditions.

8. Soil vapor results collected during the RI were compared to compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor samples collected during the Phase II Investigation showed moderate levels of petroleum-related VOCs. The petroleum related compounds ranged from 0.757 $\mu g/m^3$ to 14,000 $\mu g/m^3$. Cyclohexane detected at 740 $\mu g/m^3$ and n-Hexane detected at 14,000 $\mu g/m^3$ in SV-04 were the highest detected petroleum related compounds. Total concentrations of petroleum-related VOCs (BTEX) ranged from 15 to 62.34 $\mu g/m^3$. Chlorinated VOCs were also detected with tetrachloroethylene (PCE) detected at a maximum of 112 $\mu g/m^3$ and 1,1,1-trichloroethane detected at 1.59 $\mu g/m^3$. Carbon tetrachloride and trichloroethene (TCE) were not detected in any of the soil vapor samples. Concentration for PCE was above the monitoring level ranges established within the State DOH soil vapor guidance matrix.

For more detailed results, consult the RIR. Based on an evaluation of the data and information from the RIR and this RAWP, disposal of significant amounts of hazardous waste is not suspected at this site.

2.0 REMEDIAL ACTION OBJECTIVES

Based on the results of the RI, the following Remedial Action Objectives (RAOs) have been identified for this Site:

Soil

- Prevent direct contact with contaminated soil.
- Prevent exposure to contaminants volatilizing from contaminated soil.

Groundwater

- Prevent direct exposure to contaminated groundwater.
- Prevent exposure to contaminants volatilizing from contaminated groundwater.

Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into dwelling and other occupied structures.

3.0 REMEDIAL ALTERNATIVES ANALYSIS

The goal of the remedy selection process is to select a remedy that is protective of human health and the environment taking into consideration the current, intended and reasonably anticipated future use of the property. The remedy selection process begins by establishing RAOs for media in which chemical constituents were found in exceedance of applicable standards, criteria and guidance values (SCGs). Remedial alternatives are then developed and evaluated based on the following ten criteria:

- Protection of human health and the environment;
- Compliance with SCGs;
- Short-term effectiveness and impacts;
- Long-term effectiveness and permanence;
- Reduction of toxicity, mobility, or volume of contaminated material;
- Implementability;
- Cost effectiveness;
- Community acceptance;
- Land use; and
- Sustainability.

As required, a Track 1 Unrestricted Use scenario is evaluated for the remedial action. The following is a detailed description of the alternatives analyzed to address impacted media at the Site:

Alternative 1:

- Selection of NYSDEC 6NYCRR Part 375 Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs);
- Removal of all soil/fill exceeding Track 1 Unrestricted Use SCOs throughout the Site and confirmation that Track 1 Unrestricted Use SCOs have been achieved with post-excavation endpoint sampling. If soil/fill containing analytes at concentrations above Unrestricted Use SCOs is still present at the base of the excavation after removal of all soil required for the redevelopment of the building's cellar level is complete, additional excavation would be performed to ensure complete removal of soil/ fill that does not meet Track 1 Unrestricted Use SCOs;

- No Engineering or Institutional Controls are required for a Track 1 cleanup, but a sub-slab depressurization system (SSDS) beneath the foundation and a soil vapor barrier below the building slab and along the vertical foundation walls would be installed as part of development to prevent potential exposures from soil vapor in the future; and
- As part of development, placement of a final cover over the entire Site.

Alternative 2:

- Selection of NYSDEC 6NYCRR Part 375 Restricted Residential Use (Track 2) Soil Cleanup Objectives (SCOs);
- Removal of all soil/fill exceeding Track 2 Restricted Residential SCOs and confirmation that Track 2 Restricted Residential SCOs have been achieved with post-excavation endpoint sampling. Based on the results of the Remedial Investigation, it is expected that this alternative would be achieved by excavating for development purposes which include excavation down to 12 feet bgs for the new building basement level and 2 feet across the remainder of the Site for the slab-on-grade portion and yard areas. If soil/ fill containing analytes at concentrations above Track 2 Restricted Residential SCOs is still present at the base of the excavation after removal of all soil required for the development construction is complete, additional excavation will be performed to meet Track 2 Restricted Residential SCOs;
- Placement of a composite cover system over the entire Site to prevent exposure to remaining soil/fill;
- Installation of a soil vapor barrier system beneath the building slab and along foundation side walls to prevent future potential exposures from soil vapor;
- Installation of an active Sub Slab Depressurization System (SSDS) beneath the entire new building footprint to prevent any potential future exposures from soil vapor;
- Establishment of use restrictions including prohibitions on the use of groundwater from the Site; prohibitions of sensitive Site uses, such as farming or vegetable gardening, to prevent future exposure pathways; and prohibition of a higher level of land use without OER approval;

- Establishment of an approved Site Management Plan (SMP) to ensure long-term management of these Engineering and Institutional Controls including the performance of periodic inspections and certification that the controls are performing as they were intended. The SMP will note that the property owner and property owner's successors and assigns must comply with the approved SMP; and
- Continued registration with an "E" Designation to memorialize the remedial action and the Engineering and Institutional Controls required by this RAWP.

3.1 Threshold Criteria

Protection of Public Health and the Environment

This criterion is an evaluation of the remedy's ability to protect public health and the environment, and an assessment of how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, and implementation of Engineering Controls or Institutional Controls. Protection of public health and the environment must be achieved for all approved remedial actions.

Alternative 1 would be protective of human health and the environment by removing all soil/fill exceeding Track 1 Unrestricted Use SCOs and groundwater protection standards, thus eliminating potential for direct contact with contaminated soil/fill once construction is complete and eliminating the risk of contaminants leaching into groundwater.

Alternative 2 would achieve comparable protections of human health and the environment by excavation and removal of most of the historic fill at the Site and by ensuring that remaining soil/fill on-Site meets Track 2 Restricted Residential SCOs, as well as by placement of Institutional and Engineering Controls, including a composite cover system. The composite cover system would prevent direct contact with any remaining on-Site soil/fill. The active SSDS system, along with the vapor barrier system would mitigate any vapor from entering the building. Implementing Institutional Controls including a Site Management Plan and continuing the "E" Designation on the property would ensure that the composite cover system remains intact and protective of public health. Establishment of Track 2 Restricted Residential SCOs would minimize the risk of contamination leaching into groundwater.

For both Alternatives, potential exposure to contaminated soils or groundwater during construction would be minimized by implementing a Construction Health and Safety Plan, an approved Soil/Materials Management Plan, and Community Air Monitoring Plan (CAMP). Potential contact with contaminated groundwater would be prevented as its use is prohibited by city laws and regulations. Potential future migration of off-Site soil vapors into the new building would be prevented by installing a vapor barrier system and installation of a SSDS.

3.2 Balancing Criteria

Compliance with Standards, Criteria and Guidance (SCGs)

This evaluation criterion assesses the ability of the alternative to achieve applicable standards, criteria and guidance.

Alternative 1 would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil through removal of soil to achieve Track 1 Unrestricted Use SCOs and Protection of Groundwater SCOs. Compliance with SCGs for soil vapor would also be achieved by installing a vapor barrier system beneath the building's basement slab and continuing the vapor barrier along subgrade foundation walls, as part of development. In addition, Alternative 1 would include installation of a passive SSDS as part of development.

Alternative 2 would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil through removal of soil to meet Track 2 Restricted Residential SCOs. Compliance with SCGs for soil vapor would also be achieved by installing a vapor barrier system beneath the building basement slab and along subgrade foundation walls, as well as installing an active SSDS. A Site Management Plan would ensure that these controls remained protective for the long term.

Health and safety measures contained in the CHASP and Community Air Monitoring Plan (CAMP) will be implemented during Site redevelopment under this RAWP. For both Alternatives, focused attention on means and methods employed during the remedial action would ensure that handling and management of contaminated material would be in compliance with applicable SCGs. These measures will protect on-site workers and the surrounding community from exposure to Site-related contaminants.

Short-Term Effectiveness and Impacts

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase until remedial action objectives are met. Under this criterion, alternatives are evaluated with respect to their short term effects during the remedial action on public health and the environment during implementation of the remedial action, including protection of the community, protection of onsite workers and environmental impacts.

Short-term impacts would be higher for Alternative 1 as additional soils would be required to achieve Track 1 Unrestricted Use SCOs. Both alternatives would result in short-term dust generation impacts associated with excavation, handling, load out of materials, and truck traffic. Short-term impacts would be higher for Alternative 1 since excavation of greater amounts of historical fill material would take place. However, focused attention to means and methods during a Track 1 removal action, including community air monitoring and appropriate truck routing, would minimize the overall impact of these activities.

An additional short-term adverse impact and risks to the community associated with both remedial alternatives is increased truck traffic. Approximately 140, 30-ton capacity truck trips would be necessary to transport fill and soil excavated during Site development. Truck traffic will be routed on the most direct course using major thoroughfares where possible and flag persons will be used to protect pedestrians at Site entrances and exits.

The potential adverse impact to the community, workers and the environment for both alternatives would be minimized through implementation of control plans including a Construction Health and Safety Plan, a Community Air Monitoring Plan (CAMP) and a Soil/Materials Management Plan (SMMP), during all on-Site soil disturbance activities and would minimize the release of contaminants into the environment. Both alternatives provide short-term effectiveness in protecting the surrounding community by decreasing the risk of contact with on-Site contaminants. Construction workers operating under appropriate management procedures and a Construction Health and Safety Plan (CHASP) would provide protection from on-Site contaminants by using personal protective equipment would be worn consistent with the documented risks within the respective work zones.

Long-term Effectiveness and Permanence

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual contamination remaining at the Site after response objectives have been met, such as permanence of the remedial alternative, magnitude of remaining contamination, adequacy of controls including the adequacy and suitability of Engineering Controls/Institutional Controls (ECs/ICs) that may be used to manage contaminant residuals that remain at the Site and assessment of containment systems and ICs that are designed to eliminate exposures to contaminants, and long-term reliability of ECs.

Alternative 1 would achieve long-term effectiveness and permanence related to on-Site contamination by permanently removing all impacted soil/fill above Track 1 Unrestricted Use SCO's and enabling unrestricted usage of the property. Removal of on-Site contaminant sources will also prevent future groundwater contamination.

Alternative 2 would provide long-term effectiveness by removing on-Site contamination and attaining Track 2 Restricted Residential SCOs; installing a composite cover system across the Site; maintaining use restrictions; establishing an SMP to ensure long-term management of ICs and ECs; and maintaining an "E" Designation to memorialize these controls for the long term. The SMP would ensure long-term effectiveness of all ECs and ICs by requiring periodic inspection and certification that these controls and restrictions continue to be in place and are functioning as they were intended, assuring that protections designed into the remedy continue to provide the required level of protection.

Both alternatives would result in removal of soil contamination exceeding the SCOs providing the highest level, most effective and permanent remedy over the long-term with respect to a remedy for contaminated soil, which will eliminate any migration to groundwater. Potential sources of soil vapor and groundwater contamination will also be eliminated as part of the remedy.

Reduction of Toxicity, Mobility, or Volume of Contaminated Material

This evaluation criterion assesses the remedial alternative's use of remedial technologies that permanently and significantly reduce toxicity, mobility, or volume of contaminants as their principal element. The following is the hierarchy of source removal and control measures that are to be used to remediate a Site, ranked from most preferable to least preferable: removal

and/or treatment, containment, elimination of exposure and treatment of source at the point of exposure. It is preferred to use treatment or removal to eliminate contaminants at a Site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminants mobility, or reduce of total volume of contaminated media.

Alternative 1 will permanently eliminate the toxicity, mobility, and volume of contaminants from on-Site soil by removing all soil in excess of Track 1 Unrestricted Use SCO's.

Alternative 2 would remove some historic fill at the Site, and all remaining on-Site soil/fill beneath the building will meet Track 2 Restricted Residential SCOs.

Alternative 1 would remove a greater total mass of contaminants from the Site. The removal of soil from 2 feet to 12 feet for the new development in both scenarios would lessen the difference in contaminant mass removal between these two alternatives.

Implementability

This evaluation criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation, including technical feasibility of construction and operation, reliability of the selected technology, ease of undertaking remedial action, monitoring considerations, administrative feasibility (e.g. obtaining permits for remedial activities), and availability of services and materials.

The techniques, materials and equipment to implement both Alternatives 1 and 2 are readily available and have been proven to be effective in remediating the contaminants present on the Site. They use standard equipment and technologies that are well established in the industry. The reliability of each remedy is also high. There are no special difficulties associated with any of the activities proposed.

Cost Effectiveness

This evaluation criterion addresses the cost of alternatives, including capital costs (such as construction costs, equipment costs, and disposal costs, engineering expenses) and site management costs (costs incurred after remedial construction is complete) necessary to ensure the continued effectiveness of a remedial action.

Since historic fill at the Site was found to extend to a depth of up to 12 feet below grade during the RI, and the new building redevelopment plan will require excavation of portion of the

Site to a depth from 12 feet, the initial costs associated with Alternative 1 would be higher than Alternative 2 as it involves substantial removal of soil/fill and disposal across the Site. Additional costs would include installation of additional shoring/underpinning, disposal of additional soil, and import of clean soil for backfill. If additional soil/fill with analytes above Track 1 Unrestricted Use SCOs is encountered but below Track 2 Restricted Residential SCOs remain after excavation required for development long-term costs for Alternative 2 would likely be higher than Alternative 1 based on implementation of a Site Management Plan as part of Alternative 2.

The remedial plan creates an approach that couples the remedial action with the redevelopment of the Site, lowering total costs. The remedial plan is also cost effective in that it will take into consideration the selection of the closest and most appropriate disposal facilities to reduce transportation and disposal costs during excavation of historic fill and other soils during redevelopment of the Site.

Community Acceptance

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAWP.

This RAWP will be subject to a public review under the NYC VCP and will provide the opportunity for detailed public input on the remedial alternatives and the selected remedy. This public comment will be considered by OER prior to approval of this plan. The Citizen Participation Plan for the project is provided in Appendix 4. Observations here will be supplemented by public comment received on the RAWP. Under both alternatives, the overall goals of the remedial program, to protect public health and the environment and eliminate potential contaminant exposures, have been broadly supported by citizens in NYC communities.

Land Use

This evaluation criterion addresses the proposed use of the property. This evaluation has considered reasonably anticipated future uses of the Site and takes into account: current use and historical and/or recent development patterns; applicable zoning laws and maps; NYS Department of State's Brownfield Opportunity Areas (BOA) pursuant to section 970-r of the general municipal law; applicable land use plans; proximity to real property currently used for residential use, and to commercial, industrial, agricultural, and/or recreational areas;

environmental justice impacts, Federal or State land use designations; population growth patterns and projections; accessibility to existing infrastructure; proximity of the site to important cultural resources and natural resources, potential vulnerability of groundwater to contamination that might emanate from the site, proximity to flood plains, geography and geology; and current Institutional Controls applicable to the site.

The current, intended, and reasonably anticipated future land use of the Site and its surroundings are compatible with the selected remedy of soil remediation. The proposed future use of the Site includes construction of a new 7-story residential building with a partial basement. Following remediation, the Site will meet either Track 1 Unrestricted Use or Track 2 Restricted Residential SCOs, both of which are protective of public health and the environment for its planned residential use. The proposed use is compliant with the property's zoning and is consistent with recent development patterns. The Site is located in a developed urban area of Bronx consisting primarily of residential and commercial buildings. The development would remediate three vacant contaminated lots and provide a modern residential building. The proposed development would clean up the property and make it safer, create new employment opportunities, living and working space and associated societal benefits to the community, and other economic benefits from land revitalization.

Temporary short-term project impacts are being mitigated through site management controls and truck traffic controls during remediation activities. Following remediation, the Site will meet either Track 1 Unrestricted Use SCOs or Track 2 Restricted Residential SCOs, both of which are protective of public health and the environmental for its planned use.

The Site is not in close proximity to important cultural resources, including federal or state historic or heritage sites or Native American religious sites, natural resources, waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species. The Site is located in an urban area and not in proximity to fish or wildlife and neither alternative would result in any potential exposure pathways of contaminant migration affecting fish or wildlife. The remedial action is also protective of groundwater natural resources. Both alternatives are equally protective of natural resources and cultural resources. Improvements in the current environmental condition of the property achieved by both alternatives considered in this plan are consistent with the City's goals for cleanup of contaminated land.

Sustainability of the Remedial Action

This criterion evaluates the overall sustainability of the remedial action alternatives and the degree to which sustainable means are employed to implement the remedial action including those that take into consideration NYC's sustainability goals defined in PlaNYC: A Greener, Greater New York. Sustainability goals may include: maximizing the recycling and reuse of non-virgin materials; reducing the consumption of virgin and non-renewable resources; minimizing energy consumption and greenhouse gas emissions; improving energy efficiency; and promotion of the use of native vegetation and enhancing biodiversity during landscaping associated with Site development.

While Alternative 2 would potentially result in lower energy usage based on reducing the volume of material transported off-Site, both remedial alternatives are comparable with respect to the opportunity to achieve sustainable remedial action. The remedial plan for either alternative would take into consideration the shortest trucking routes during off-Site disposal of historic fill and other soils, which would reduce greenhouse gas emissions and conserve energy used to fuel trucks. The New York City Clean Soil Bank program is available for reuse of any clean native soils under either alternative. To the extent practicable, energy efficient building materials, appliances, and equipment will be utilized to complete the development. A complete list of green remedial activities considered as part of the NYC VCP is included in the Sustainability Statement, included as Appendix 5**.**

Selection of the Preferred Remedy

The preferred remedy for the site is Alternative 2, Track 2 Restricted Residential Use SCOs. Data generated during the site investigation support the conclusion that Alternative 1 is not achievable because an active SSDS is required to be operated at this Site to mitigate elevated petroleum compounds in soil vapor. The Alternative 2 remedy will remove all soil/fill exceeding Track 2 Restricted Residential SCOs throughout the Site, which will be confirmed with post-excavation sampling.

Engineering Controls are required for a Track 2 cleanup. A concrete slab covering most of the site (and at a minimum, 2 feet of clean soil in all landscaped/open areas) and vapor barrier in the areas of the new building would be installed as part of standard building development.

Additional soil vapor management would include an active SSDS to address soil vapor contamination.

Use restrictions will be imposed on the site (including prohibitions on any use higher than Restricted Residential, e.g. the use of groundwater from the Site; prohibitions of restricted Site uses, such as farming or vegetable gardening, to prevent future exposure pathways. The Site would continue to be encumbered with an E-Designation for hazardous material.

4.0 REMEDIAL ACTION

4.1 Summary of Preferred Remedial Action

The preferred remedial action alternative is Alternative 2, the Track 2 remedial action. The preferred remedial action achieves protection of public health and the environment for the intended use of the property. The preferred remedial action will achieve all of the remedial action objectives established for the project and addresses applicable SCGs. The preferred remedial action is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants. The preferred remedial action alternative is cost effective and implementable and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYC VCP Citizen Participation activities according to an approved Citizen Participation Plan.
2. Performance of a Community Air Monitoring Program for particulates and volatile organic carbon compounds.
3. Establishment of Track 2 Restricted Residential Soil Cleanup Objectives (SCOs).
4. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.
5. Completion of a Waste Characterization Study prior to excavation activities. Waste characterization soil samples will be collected at a frequency dictated by disposal facility(s). A Waste Characterization Report documenting sample procedures, location, analytical results shall be submitted to NYCOER prior to start of remedial action.
6. Excavation and removal of soil/fill exceeding Track 2 Restricted Residential SCOs. For development purposes, 38% of the Site will be excavated approximately 12 feet bgs for the new building's basement level with the remaining portions of the Site excavated approximately 2 feet bgs for the slab-on-grade portion of the new building and front and rear yards. An estimated 4,250 tons of soil will be removed.

7. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID. Appropriate segregation of excavated media on-Site.
8. Management of excavated materials including temporarily stockpiling and segregating in accordance with defined material types and to prevent co-mingling of contaminated material and non-contaminated materials.
9. Removal of all UST's that are encountered during soil/fill removal actions. Registration of tanks and reporting of any petroleum spills associated with UST's and appropriate closure of these petroleum spills in compliance with applicable local, State and Federal laws and regulations.
10. Transportation and off-Site disposal of all soil/fill material at licensed or permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media on-Site.
11. Collection and analysis of end-point samples to determine the performance of the remedy with respect to attainment of SCOs.
12. Demarcation of residual soil/fill in landscaped areas.
13. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.
14. Construction of an engineered composite cover consisting of a minimum of five inches of concrete for the building slab, 6-inch concrete/asphalt ground surfaces in paved areas, and a minimum of two feet of clean soil over all landscaped/open spaces.
15. Installation of a vapor barrier system consisting of a vapor barrier beneath the building slab and outside of sub-grade foundation sidewalls to mitigate soil vapor migration into the building. The vapor barrier will consist of a VaporBlock® (or comparable product) vapor barrier system (20- mil thick) applied to the underside of building foundation. The sidewalls of the foundation will be sealed with Bituthene® System 4000 self-adhesive HDPE waterproofing membrane (or comparable product) up to grade level. All welds, seams and penetrations will be properly sealed to prevent preferential pathways for vapor migration.

16. Installation and operation of an active sub-slab depressurization system (SSDS). The SSDS will consist of 4 suction pits set in a gas permeable layer immediately beneath the basement building slab and vapor barrier system. Each suction pit will be connected to one of two non-perforated, sub-slab vent pipes that penetrate the cellar floor slab. The vent pipes will be manifolded to a single vertical riser that is routed from the basement area to the building roof. All system piping will consist of 4-inch cast iron pipe. An appropriately sized fan will be selected according to vacuum testing results and installed at least six inches above the roof line. A rain guard will be installed at the discharge point to prevent rain infiltration. The active SSDS is an Engineering Control for the remedial action. The remedial engineer will certify in the RAR that the active SSDS was designed and properly installed to establish a vacuum in the gas permeable layer and a negative (decreasing outward) pressure gradient across the building slab to prevent vapor migration into the building.
17. Construction and operation of a grade-level parking garage with high volume air exchange in conformance with NYC Building Code.
18. Performance of all activities required for the remedial action, including acquisition of required permits and attainment of pretreatment requirements, in compliance with applicable laws and regulations.
19. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.
20. Submission of a Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, lists any changes from this RAWP, and describes all Engineering and Institutional Controls to be implemented at the Site.
21. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.
22. The property will continue to be registered with an E-Designation at the NYC Buildings Department. Establishment of Engineering Controls and Institutional Controls in this RAWP and a requirement that management of these controls must be

in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

4.2 Soil Cleanup Objectives and Soil/ Fill Management

Track 2 Restricted Residential SCOs are proposed for this project and SCOs are defined in 6 NYCRR Part 375, Table 6.8 Track 2 Restricted Residential Use. If these Track 2 SCOs are not achieved, the following Site-Specific SCOs will be utilized:

Contaminant	**Site-Specific SCO's**
Total SVOCs	100 ppm

Soil and materials management on-Site and off-Site, including excavation, handling and disposal, will be conducted in accordance with the Soil/Materials Management Plan included as Appendix 2. Discrete contaminant sources (such as hotspots) identified during the remedial action will be identified by GPS or surveyed. This information will be provided in the Remedial Action Report.

Soil/Fill Excavation and Removal

Excavation across 38% of the Site will occur to a depth of approximately 12 feet bgs for the new building's basement level. The remainder of the Site will be excavated to approximately 2 feet bgs for the slab-on-grade portion of the building as well as the landscaped/open areas. The location of planned excavations is shown in Figure 5. The total quantity of soil/fill expected to be excavated and disposed off-Site is 3,050 cubic yards (4,250 tons). For each disposal facility to be used in the remedial action, a letter from the developer/QEP to the receiving facility requesting approval for disposal and a letter back to the developer/QEP providing approval for disposal will be submitted to OER prior to any transport and disposal of soil at a facility.

Disposal facilities will be reported to OER when they are identified and prior to the start of remedial action.

End-point Sampling

End-point samples will be analyzed for compounds and elements as described below utilizing the following methodology:

- Volatile organic compounds by EPA Method 8260;
- Semi-volatile organic compounds by EPA Method 8270;
- Target Analyte List metals; and
- Pesticides/PCBs by EPA Method 8081/8082.

New York State ELAP certified labs will be used for all end-point sample analyses. Labs performing end-point sample analyses will be reported in the RAR. The RAR will provide a tabular and map summary of all end-point sample results and will include all data including non-detects and applicable standards and/or guidance values.

Confirmation End-point Sampling

Removal actions for development purposes under this plan will be performed in conjunction with confirmation end-point soil sampling. Confirmation samples and testing will be performed promptly following materials removal and completed prior to Site development activities. To evaluate attainment of Track 2 Restricted Residential SCOs, seven (7) post-excavation confirmation soil samples will be collected and analyzed for VOCs, SVOCs, PCBs, Pesticides, and Metals according to analytical methods described above. The approximate collection location of the endpoint soil samples is shown on Figure 5.

Hotspot End-point Sampling

For any hotspots identified during this remedial program, including any hotspots identified during the remedial action, hotspot removal actions will be performed to ensure that hotspots are fully removed and end-point samples will be collected at the following frequency:

1. For excavations less than 20 feet in total perimeter, at least one bottom sample and one sidewall sample biased in the direction of surface runoff.
2. For excavations 20 to 300 feet in perimeter:
    - For surface removals, one sample from the top of each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.

- For subsurface removals, one sample from each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.

3. For sampling of volatile organics, bottom samples should be taken within 24 hours of excavation, and should be taken from the zero to six-inch interval at the excavation floor. Samples taken after 24 hours should be taken at six to twelve inches.
4. For contaminated soil removal, post remediation soil samples for laboratory analysis should be taken immediately after contaminated soil removal. If the excavation is enlarged horizontally, additional soil samples will be taken pursuant to bullets 1-3 above.

Post-remediation end-point sample locations and depth will be biased towards the areas and depths of highest contamination identified during previous sampling episodes unless field indicators such as field instrument measurements or visual contamination identified during the remedial action indicate that other locations and depths may be more heavily contaminated. In all cases, post-remediation samples should be biased toward locations and depths of the highest expected contamination.

If either LNAPL and/or DNAPL are detected, appropriate samples will be collected for characterization and "finger print analysis" and required regulatory reporting (i.e. spills hotline) will be performed.

Quality Assurance/Quality Control

The fundamental QA objective with respect to accuracy, precision, and sensitivity of analysis for laboratory analytical data is to achieve the QC acceptance of the analytical protocol. The accuracy, precision and completeness requirements will be addressed by the laboratory for all data generated.

One blind duplicate sample for every 20 samples collected will be submitted to the approved laboratory for analysis of the same parameters. Trip blanks will be used whenever samples are transported to the laboratory for analysis of VOCs. One trip blank will be submitted to the laboratory with each shipment of soil samples. Trip blanks will not be used for samples to be analyzed for metals, SVOCs or pesticides.

Collected samples will be appropriately packaged, placed in coolers and shipped via overnight courier or delivered directly to the analytical laboratory by field personnel. Samples will be containerized in appropriate laboratory provided glassware and shipped in plastic coolers. Samples will be preserved through the use of ice or "cold-paks" to maintain a temperature of 4^{o}C.

Dedicated disposable sampling materials will be used for the collection endpoint samples, eliminating the need to prepare field equipment (rinsate) blanks. However, if non-disposable equipment is used, (stainless steel scoop, etc.) field rinsate blanks will be prepared at the rate of 1 for every eight samples collected. Decontamination of non-dedicated sampling equipment will consist of the following:

- Gently tap or scrape to remove adhered soil
- Rinse with tap water
- Wash with alconox® detergent solution and scrub
- Rinse with tap water
- Rinse with distilled or deionized water

Field blanks will be prepared by pouring distilled or deionized water over decontaminated equipment and collecting the water in laboratory provided containers. Trip blanks will be used whenever samples are transported to the laboratory for analysis of VOCs.

Import of Soils

Import of soils onto the property, if any, will be performed in conformance with the Soil/Materials Management Plan in Appendix 2. Imported soil will meet the lower of:

- Track 2 Restricted Residential Use SCO's, and
- Groundwater Protection Standards in Part 375-6.8.

The estimated quantity of soil to be imported into the Site for backfill and cover soil is 250 tons. A map of soil backfill placement location (rear yard area) is shown in Figure number 5.

Reuse of Onsite Soils

Reuse of onsite soils already onsite will be performed in conformance with the Soil/Materials Management Plan in Appendix 2. Soil reuse is not planned on this project.

4.3 Engineering Controls

The excavation required for the proposed Site development will achieve Track 2 Restricted Residential SCOs. The following features will be incorporated into the foundation design: composite cover system consisting of a minimum 5-inch thick concrete slab and at least 2 feet of clean soil in all open areas, a soil vapor barrier, and an active SSDS. These elements will constitute Engineering Controls that will be employed in the remedial action to address residual contamination remaining at the Site.

Composite Cover System

Exposure to residual soil/fill will be prevented by an engineered, composite cover system to be built on the Site. This composite cover system will be comprised of a minimum of 5 inches of reinforced concrete slab underlain by 6-8 inches of clean sub-base material in building areas; 4 inches of asphalt pavement underlain by 6 inches of clean sub-base material in road areas, 6 inches of concrete underlain by 6 inches of clean sub-base material in sidewalk areas, and 2 feet of clean soil in open space areas.

Appendix 1 shows the typical design for each remedial cover type used on this Site. The composite cover system will be a permanent engineering control. The system will be inspected and its performance certified at specified intervals as required by this RAWP and the Site Management Plan. A Soil and Materials Management Plan will be included in the Site Management Plan and will outline the procedures to be followed in the event that the composite cover system and underlying residual soil/fill is disturbed after the remedial action is complete. Maintenance of this composite cover system will be described in the Site Management Plan in the Remedial Action Report.

Vapor Barrier System

Migration of soil vapor from onsite or offsite sources into the building will be mitigated with a combination of building slab and vapor barrier. The vapor barrier will consist of a

VaporBlock® (or comparable product) vapor barrier system (20- mil thick) applied to the underside of building foundation. Penetrations through the foundation will be sealed with 4" VaporBond seaming tape Butyl Seal 2-sided tape. The sidewalls of the foundation will be sealed with Bituthene® System 4000 self-adhesive HDPE waterproofing membrane (or comparable product) up to grade level. All welds, seams and penetrations will be properly sealed to prevent preferential pathways for vapor migration.

The vapor barrier system is an Engineering Control for the remedial action. The remedial engineer will certify in the RAR that the vapor barrier system was designed and properly installed to mitigate soil vapor migration into the building. The extent of the proposed vapor barrier membrane is provided in Figure 4. Installation details (penetrations, joints, etc.) with respect to the proposed building foundation, footings, slab, and sidewalls as well as product specification sheets are also provided in Appendix 7.

The Remedial Action Report will include as-built drawings and diagrams; photographs (maximum of two photos per page) of the installation process; PE/RA certified letter (on company letterhead) from primary contractor responsible for installation oversight and field inspections; and a copy of the manufacturers certificate of warranty.

The Vapor Barrier System is a permanent engineering control and will be inspected and its performance certified at specified intervals as required by this RAWP and the Site Management Plan. A Soil and Materials Management Plan will be included in the Site Management Plan and will outline the procedures to be followed in the event that the composite cover system and underlying vapor barrier system is disturbed after the remedial action is complete. Maintenance of these systems will be described in the Site Management Plan in the Remedial Action Report.

Sub-Slab Depressurization System

Migration of soil vapor into the building will also be mitigated with the construction of an active Sub-Slab Depressurization System (SSDS). The SSDS will be comprised of 4 suction pits located beneath the basement building slab and vapor barrier system [Note: the SSDS will create a zone of influence beneath the cellar area at the southern portions of the building only. Vapor intrusion at the remaining slab-on-grade portions of the building will be mitigated by a vapor

barrier system and ventilated parking areas at the first level]. Each suction pit will consist of a 3'x3'x1' expanded metal screen set in at least 1 foot of ASTM #5 stone aggregate on all four sides. Sub-slab piping will connect each suction pit to one of two vertical vent pipes. The vent pipes will penetrate the basement slab at locations proximal to an interior cellar wall and will be equipped with easily accessible U-tube manometers and 4-inch butterfly valves (to monitor and balance negative pressure levels beneath the slab). The vent pipes will be manifolded to a single vertical riser pipe that is routed to a plumbing pipe chase extending from the first level to the building roof. Unless a variance is secured from the New York City Department of Buildings, all system piping will consist of 4-inch cast iron pipe. The discharge pipe will be finished at the roof line with an appropriately sized fan that is selected according to vacuum testing results. A rain guard will be installed at the discharge point to prevent rain infiltration.

The active SSDS is a permanent Engineering Control for the remedial action. The remedial engineer will certify in the RAR that the active SSDS was designed and properly installed to establish a vacuum in the gas permeable layer and a negative (decreasing outward) pressure gradient across the building slab to prevent vapor migration into the building. The system will be inspected and its performance certified at specified intervals as required by this RAWP and the Site Management Plan. Maintenance of this SSDS will be described in the Site Management Plan in the Remedial Action Report. The SSDS design and details are shown in Appendix 6.

4.4 Institutional Controls

A series of Institutional Controls (ICs) are required under this Remedial Action to assure permanent protection of public health by elimination of exposure to residual materials. These ICs define the program to operate, maintain, inspect and certify the performance of Engineering Controls and Institutional Controls on this property. Institutional Controls would be implemented in accordance with a Site Management Plan included in the final Remedial Action Report (RAR).

Institutional Controls for this remedial action are:

- Continued registration of the E-Designation for the property. This RAWP includes a description of all ECs and ICs and summarizes the requirements of the SMP which will

note that the property owner and property owner's successors and assigns must comply with the approved SMP;

- Submittal of a Site Management Plan in the RAR for approval by OER that provides procedures for appropriate operation, maintenance, monitoring, inspection, reporting and certification of ECs and ICs. SMP will require that the property owner and property owner's successors and assigns will submit to OER a periodic written statement that certifies that: (1) controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by OER; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. OER retains the right to enter the Site in order to evaluate the continued maintenance of any controls. This certification shall be submitted on an annual basis and will comply with RCNY §43-1407(l)(3).

- Vegetable gardens and farming on the Site are prohibited in contact with residual soil materials;

- Use of groundwater underlying the Site is prohibited without treatment rendering it safe for its intended use;

- All future activities on the Site that will disturb residual material must be conducted pursuant to the soil management provisions in an approved SMP; and

- The Site will be used for residential use and will not be used for a higher level of use without prior approval by OER.

4.5 Site Management Plan

Site Management is the last phase of remediation and begins with the approval of the Remedial Action Report and issuance of the Notice of Completion (NOC) for the Remedial Action. The Site Management Plan (SMP) describes appropriate methods and procedures to ensure implementation of all ECs and ICs that are required by this RAWP. The Site Management Plan is submitted as part of the RAR but will be written in a manner that allows its use as an independent document. Site Management continues until terminated in writing by OER. The

property owner is responsible to ensure that all Site Management responsibilities defined in the Site Management Plan are implemented.

The SMP will provide a detailed description of the procedures required to manage residual soil/fill left in place following completion of the remedial action in accordance with the Voluntary Cleanup Agreement with OER. This includes a plan for: (1) implementation of ECs and ICs; (2) operation and maintenance of ECs; and (3) inspection and certification of ICs and ECs.

Site management activities and EC/IC certification will be scheduled by OER on a periodic basis to be established in the RAR and SMP and will be subject to review and modification by OER. The Site Management Plan will be based on a calendar year and certification reports will be due for submission to OER by July 30 of the year following the reporting period.

4.6 Qualitative Human Health Exposure Assessment

The objective of the qualitative exposure assessment is to identify potential receptors and pathways for human exposure to the contaminants of concern (COC) that are present at, or migrating from, the Site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur.

Data and information reported in the Remedial Investigation Report (RIR) are sufficient to complete a Qualitative Human Health Exposure Assessment (QHHEA) for this project. As part of the VCP process, a QHHEA was performed to determine whether the Site poses an existing or future health hazard to the Site's exposed or potentially exposed population. The sampling data from the RI were evaluated to determine whether there is any health risk under current and future conditions by characterizing the exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. This QHHEA was prepared in accordance with Appendix 3B and Section 3.3 (b) 8 of the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation.

Known and Potential Contaminant Sources

Based on the results of the Remedial Investigation Report, historic fill was encountered at the Site to a depth of approximately 12 feet. The following contaminants of concern were detected within the historic fill:

Soil

- Metals including chromium, copper, lead, nickel, selenium, and zinc exceeding Unrestricted Use SCOs;
- Pesticides including 4,4'-DDD and 4,4'-DDE were detected, exceeding Unrestricted Use SCOs; and
- Total PCBs exceeding Unrestricted Use SCOs

Groundwater

- Total metals including chromium, copper, cobalt, iron, lead, selenium, and vanadium exceeding GQS.

Soil Vapor

- High level of chlorinated VOCs PCE detected at concentrations above NYS DOH Soil Vapor Matrix; and
- High levels of petroleum-related VOCs including cyclohexane and n-hexane.

Nature, Extent, Fate and Transport of Contaminants

The information compiled during previous investigations has confirmed the presence of contaminated fill material to an approximate depth of 12 feet bgs. Total PCBs, pesticides and metals above Unrestricted Use SCOs were present in all shallow samples representing the historic fill materials throughout the Site. Seven total were detected in the single perched groundwater sample at concentrations above their respective GQSs. Metals that were detected above Unrestricted Use SCOs in soils and in total groundwater samples above GQS were likely derived from on-site fill and/or natural site conditions. Soil vapor samples exhibited high levels of petroleum-related compounds and high levels of one chlorinated VOC.

Receptor Populations

On-Site Receptors – The Site is currently improved with a two vacant 2-story residential buildings and a small garage. The Site is fully capped with either the building foundation or a paved parking area. On-Site receptors are limited to trespassers, site representatives, and visitors granted access to the property. During construction, on-Site potential receptors will include construction workers, Site representatives, and visitors. Under proposed future conditions, the on-Site potential sensitive receptors will include adult and child building residents, workers and visitors.

Off-Site Receptors - Potential off-Site receptors within a 500 foot radius of the Site include: adult and child residents; commercial and construction workers; pedestrians; and trespassers based on the following land uses within 500 feet of the Site:

1. Commercial Businesses– existing and future
2. Residential Buildings– existing and future
3. Building Construction/Renovation– existing and future
4. Pedestrians, Trespassers, Cyclists– existing and future
5. Schools– existing and future

Potential Routes of Exposure

Three potential primary routes exist by which chemicals can enter the body: ingestion, inhalation, and dermal absorption. Exposure can occur based on the following potential media:

- Ingestion of water, fill, or soil;
- Inhalation of vapors and particulates; and
- Dermal contact with water, fill, or soil.

Potential Points of Exposure

Current Conditions: Exposure to historic fill is not possible and there are no potential exposure pathways from ingestion, inhalation, or dermal absorption of soil/ fill as the site is fully capped. Access to the property includes owner representatives and visitors. Groundwater is not accessible at the Site, and because the Site is served by the public water supply and groundwater use for potable supply is prohibited, groundwater is not used at the Site so there is no potential for exposure. Based upon data collected from the RI, soil vapor is accumulating beneath the current buildings' slabs.

Construction/Remediation Activities: During the remedial action, construction workers will come into direct contact with surface and subsurface soils, as a result of on-Site construction and excavation activities. On-Site construction workers potentially could ingest, inhale or have dermal contact with exposed impacted soil and fill. Similarly, off-Site receptors could be exposed to dust and vapors from on-Site activities. Due to the depth of groundwater, direct contact with groundwater is not expected. During construction, on-Site and off-Site exposures to contaminated dust from on-Site will be addressed through the Soil/Materials Management Plan, dust controls, and through the implementation of the Community Air-Monitoring Program and a Construction Health and Safety Plan.

Proposed Future Conditions: Under future remediated conditions, all soil in excess of Track 2 Restricted Residential SCOs will be removed. The site will be fully capped, limiting potential direct exposure to soil and groundwater remaining in place, and engineering controls (active SSDS and vapor barrier system) will prevent any potential exposure due to inhalation by preventing soil vapor intrusion. The Site is served by a public water supply, and groundwater is not used at the Site for potable supply. There are no plausible off-site pathways for ingestion, inhalation, or dermal exposure to contaminants derived from the Site under future conditions.

Overall Human Health Exposure Assessment

There are potential complete exposure pathways for the current site condition. There are potential complete exposure pathways that require mitigation during implementation of the remedy. There are no complete exposure pathways under future conditions after the site is

developed. This assessment takes into consideration the reasonably anticipated use of the site, which includes a residential structure, site-wide surface cover, and a subsurface vapor barrier and active sub-slab depressurization system for the building. Under current conditions, on-Site exposure pathways exist for those with access to the Site and trespassers. During remedial construction, on-Site and off-Site exposures to contaminated dust from historic fill material will be addressed through dust controls, and through the implementation of the Community Air Monitoring Program, the Soil/Materials Management Plan, and a Construction Health and Safety Plan. Potential post-construction use of groundwater is not considered an option because groundwater in this area of New York City is not used as a potable water source. There are no surface waters in close proximity to the Site that could be impacted or threatened.

5.0 REMEDIAL ACTION MANAGEMENT

5.1 Project Organization and Oversight

Principal personnel who will participate in the remedial action include Elan Peskin and Tara Duvivier of Habitat for Humanity and Adam Atkinson of Ecosystems Strategies, Inc. The Professional Engineer (PE) and Qualified Environmental Professionals (QEP) for this project are Jolanda G. Jansen of Jansen Engineering, PLLC and Paul H. Ciminello of Ecosystems Strategies, Inc., respectively.

5.2 Site Security

Site access will be controlled by fencing with access through gated entrances to the fenced property.

5.3 Work Hours

The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency. The hours of operation of remedial construction will be from 7am to 3pm.

5.4 Construction Health and Safety Plan

The Health and Safety Plan is included in Appendix 3. The Site Safety Coordinator will be Paul H. Ciminello. Remedial work performed under this RAWP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the HASP and applicable laws and regulations. The HASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice of Completion.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, such as 40-hour hazardous waste operator training and annual 8-hour

refresher training. Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the HASP and will comply with all requirements of 29 CFR 1910.120. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the CHASP. That document will define the specific project contacts for use in case of emergency.

5.5 Community Air Monitoring Plan

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well bailing/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park,

or adjacent to a school or residence. Exceedences of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m3 above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

5.6 Agency Approvals

All permits or government approvals required for remedial construction have been or will be obtained prior to the start of remedial construction. Approval of this RAWP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

5.7 Site Preparation

Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the Site with all parties involved in the remedial process prior to the start of remedial construction activities.

Mobilization

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed incompliance with applicable laws and regulations including NYC Building Code to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Mark-Out Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAWP. The integrity and safety of on-Site and off-Site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAWP.

Dewatering

Due to the depth of groundwater, dewatering is not anticipated during remediation and construction. In the event that dewatering of groundwater or surface water during construction will be necessary, the water will be disposed into the New York City combined sanitary/storm sewer system. A permit to discharge will be obtained from the New York City Department of Environmental Protection (NYCDEP). As part of the permit to discharge, the location of discharge will be based on the Site-Specific requirements of the DEP. The need for pretreatment will be determined by DEP's requirements for the discharge permit. If pretreatment is required by the DEP, it will be performed in accordance with the requirements of the DEP.

Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations.

Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the site will not track soil, fill or debris off-Site. Such actions may include use of cleaned asphalt or concrete pads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

Truck Inspection Station

An outbound-truck inspection station will be set up close to the Site exit. Before exiting the Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels and clean water will be utilized for the removal of soil from vehicles and equipment, as necessary.

Extreme Storm Preparedness and Response Contingency Plan

Damage from flooding or storm surge can include dislocation of soil and stockpiled materials, dislocation of site structures and construction materials and equipment, and dislocation of support of excavation structures. Damage from wind during an extreme storm event can create

unsafe or unstable structures, damage safety structures and cause downed power lines creating dangerous site conditions and loss of power. In the event of emergency conditions caused by an extreme storm event, the enrollee will undertake the following steps for site preparedness prior to the event and response after the event.

Storm Preparedness

Preparations in advance of an extreme storm event will include the following: containerized hazardous materials and fuels will be removed from the property; loose materials will be secured to prevent dislocation and blowing by wind or water; heavy equipment such as excavators and generators will be removed from excavated areas, trenches and depressions on the property to high ground or removed from the property; an inventory of the property with photographs will be performed to establish conditions for the site and equipment prior to the event; stockpile covers for soil and fill will be secured by adding weights such as sandbags for added security and worn or ripped stockpile covers will be replaced with competent covers; stockpiled hazardous wastes will be removed from the property; stormwater management systems will be inspected and fortified, including, as necessary: clean and reposition silt fences, hay bales; clean storm sewer filters and traps; and secure and protect pumps and hosing.

Storm Response

At the conclusion of an extreme storm event, as soon as it is safe to access the property, a complete inspection of the property will be performed. A site inspection report will be submitted to OER at the completion of site inspection and after the site security is assessed. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. Damage from storm conditions that result in acute public safety threats, such as downed power lines or imminent collapse of buildings, structures or equipment will be reported to public safety authorities via appropriate means such as calling 911. Petroleum spills will be reported to NYS DEC within 2 hours of identification and consistent with State regulations. Emergency and spill conditions will also be reported to OER. Public safety structures, such as construction security fences will be repaired promptly to eliminate public safety threats. Debris will be collected and removed. Dewatering will be performed in compliance with existing laws and regulations and consistent with emergency notifications, if any, from proper authorities. Eroded areas of soil including unsafe slopes will be

stabilized and fortified. Dislocated materials will be collected and appropriately managed. Support of excavation structure will be inspected and fortified as necessary. Impacted stockpiles will be contained and damaged stockpile covers will be replaced. Stormwater control systems and structures will be inspected and maintained as necessary. If soil or fill materials are discharged off site to adjacent properties, property owners and OER will be notified and corrective measure plan designed to remove and clean dislocated material will be submitted to OER and implemented following approval by OER and granting of site access by the property owner. Impacted offsite areas may require characterization based on site conditions, at the discretion of OER. If onsite petroleum spills are identified, a qualified environmental professional will determine the nature and extent of the spill and report to NYS DEC's spill hotline at DEC 800-457-7362 within statutory defined timelines. If the source of the spill is ongoing and can be identified, it should be stopped if this can be done safely. Potential hazards will be addressed immediately, consistent with guidance issued by NYS DEC.

Storm Response Reporting

A site inspection report will be submitted to OER at the completion of site inspection. An inspection report established by OER is available on OER's website (www.nyc.gov/oer) and will be used for this purpose. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. The site inspection report will be sent to the OER project manager and will include the site name, address, tax block and lot, site primary and alternate contact name and phone number. Damage and soil release assessment will include: whether the project had stockpiles; whether stockpiles were damaged; photographs of damage and notice of plan for repair; report of whether soil from the site was dislocated and whether any of the soil left the site; estimates of the volume of soil that left the site, nature of impact, and photographs; description of erosion damage; description of equipment damage; description of damage to the remedial program or the construction program, such as damage to the support of excavation; presence of onsite or offsite exposure pathways caused by the storm; presence of petroleum or other spills and status of spill reporting to NYS DEC; description of corrective actions; schedule for corrective actions. This report should be completed and submitted to OER project manager with photographs within 24 hours of the time of safe entry to the property after the storm event.

5.8 Traffic Control

Drivers of trucks leaving the Site with soil/fill will be instructed to proceed without stopping in the vicinity of the Site to prevent neighborhood impacts. The planned route on local roads for trucks leaving the site is as follows:

- Exit west on Tilden Street
- Right turn onto East Gun Hill Road
- Right turn onto Webster Avenue
- Left turn onto East 233rd Street
- Right turn onto Jerome Avenue
- Enter ramp on Left to Interstate 87, Major Deegan Expressway

5.9 Demobilization

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);
- Removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;
- Equipment decontamination, and;
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (e.g., soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

5.10 Reporting and Record Keeping

Daily Reports

Daily reports providing a general summary of activities for each day of active remedial work will be emailed to the OER Project Manager by the end of the following business day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of excavation and other remedial work performed;
- Quantities of material imported and exported from the Site and the disposal locations of exported materials;
- Status of on-Site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP results noting all excursions;
- Photograph of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an Appendix in the Remedial Action Report.

Recordkeeping and Photo Documentation

Job-site recordkeeping for all remedial work will be performed. These records will be maintained on-Site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the Site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RAR in digital format (i.e. jpeg files).

5.11 Complaint Management

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

5.12 Deviations From The Remedial Action Work Plan

All changes to the RAWP will be reported to, and approved by, the OER Project Manager and will be documented in daily reports and reported in the Remedial Action Report. The process to be followed if there are any deviations from the RAWP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAWP;
- Effect of the deviations on overall remedy; and
- Determination with basis that the remedial action with the deviation(s) is protective of public health and the environment.

6.0 REMEDIAL ACTION REPORT

A Remedial Action Report (RAR) will be submitted to OER following implementation of the remedial action defined in this RAWP. The RAR will document that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The RAR will include:

- Information required by this RAWP;
- Text description with thorough detail of all engineering and institutional controls;
- As-built drawings for all constructed remedial elements;
- Manifests for all soil or fill disposal;
- Photographic documentation of remedial work performed under this remedy;
- Site Management Plan;
- Description of any changes in the remedial action from the elements provided in this RAWP and associated design documents;
- Tabular summary of all end point sampling results (including all soil test results from the remedial investigation for soil that will remain on site) and all soil/fill waste characterization results, QA/QC results for end-point sampling, and other sampling and chemical analysis performed as part of the remedial action;
- Test results or other evidence demonstrating that remedial systems are functioning properly;
- Account of the source area locations and characteristics of all soil or fill material removed from the Site including a map showing the location of these excavations and hotspots, tanks or other contaminant source areas;
- Full accounting of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material;
- Account of the origin and required chemical quality testing for material imported onto the Site;
- Continue registration of the property with an E-Designation by the NYC Department of Buildings;

- The RAWP and Remedial Investigation Report will be included as appendices to the RAR;
- Reports and supporting material will be submitted in digital form and final PDF's will include bookmarks for each appendix.

Remedial Action Report Certification

I, Jolanda Jansen, P.E., am currently a registered professional engineer licensed by the State of New York. I performed professional engineering services and had primary direct responsibility for implementation of the remedial program for the Sydney House site, OER Project #: 15EH-A543X/16CVCP038X. I certify to the following:

- I have reviewed this document, to which my signature and seal are affixed.
- Engineering Controls implemented during this remedial action were designed by me or a person under my direct supervision and achieve the goals established in the Remedial Action Work Plan for this site.
- The Engineering Controls constructed during this remedial action were professionally observed by me or by a person under my direct supervision and (1) are consistent with the Engineering Control design established in the Remedial action Work Plan and (2) are accurately reflected in the text and drawings for as-built design reported in this Remedial Action Report.
- The OER-approved Remedial Action Work Plan dated January 2016 and Stipulations in a letter dated [date] were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

Name

PE License Number

Signature

Date

PE Stamp

I, Paul H. Ciminello, am a Qualified Environmental Professional. I had primary direct responsibility for implementation of the remedial program for the Sydney House site, site number OER Project #: 15EH-A543X/16CVCP038X. I certify to the following:

- The OER-approved Remedial Action Work Plan dated January 2016and Stipulations in a letter dated [date] were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

QEP Name

QEP Signature

Date

7.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER. Currently, a twenty four month remediation period is anticipated.

Schedule Milestone	**Weeks from Remedial Action Start**	**Duration (weeks)**
OER Approval of RAWP	0	-
Mobilization	11	1
Remedial Excavation	14	104
Demobilization	105	2
Submit Remedial Action Report	105	4

FIGURES

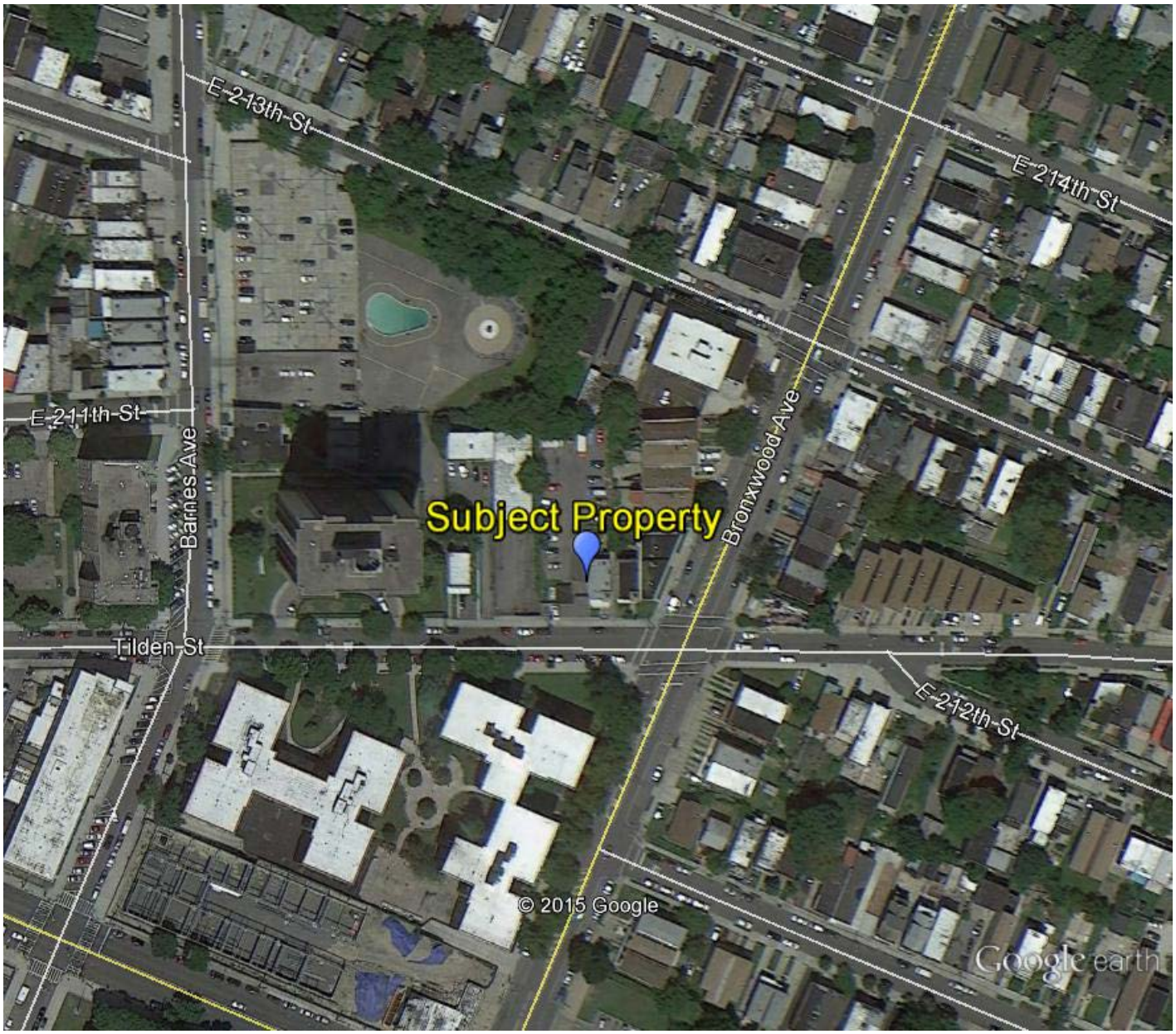


Figure 1 - Site Location Map
Sydney House
839-843 Tilden Street
Borough of Bronx, New York

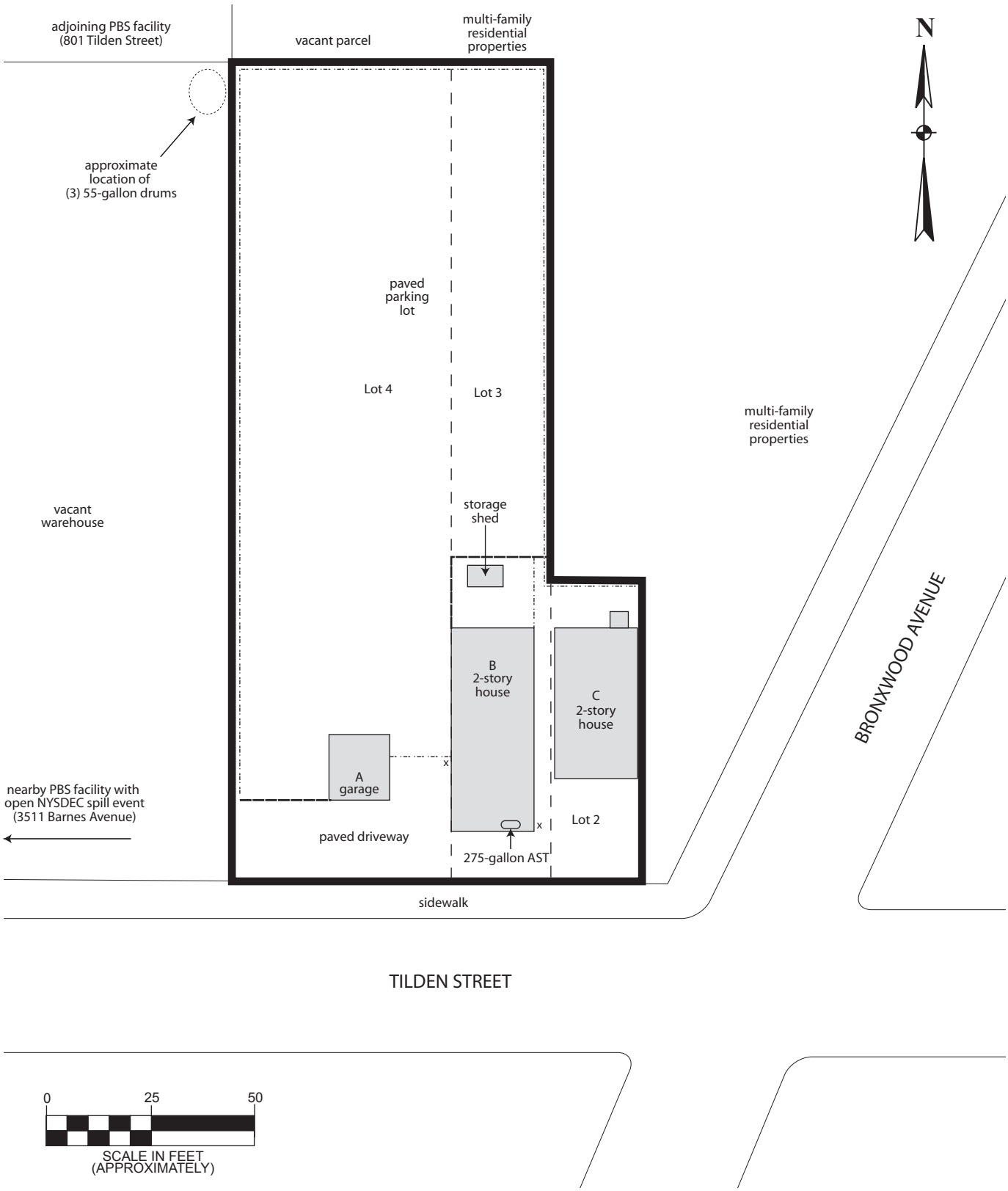
N

ESI File: HB15073.50

January 2016

Figures

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 2 - Site Map

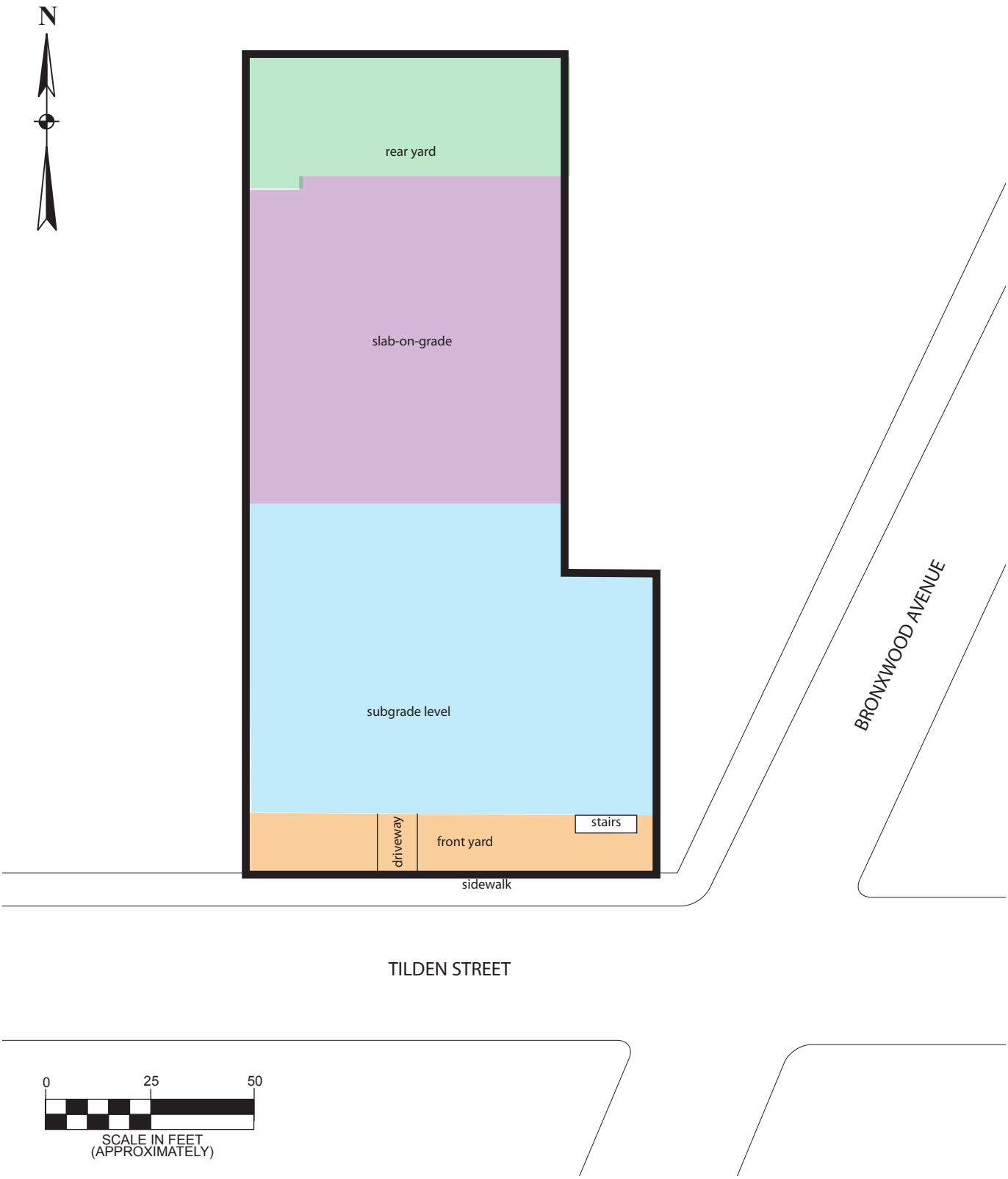
Sydney House
839-843 Tilden Street
Borough of Bronx, New York

Legend:

- subject property border
- concrete block wall
- chain link fence
- lot lines
- x fill port and vent pipe

ESI File: HB15073.50
January 2016
Scale as shown
Figures

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 3 - Site-Wide Cover System Plan

Sydney House
839-843 Tilden Street
Borough of Bronx, New York

Legend:

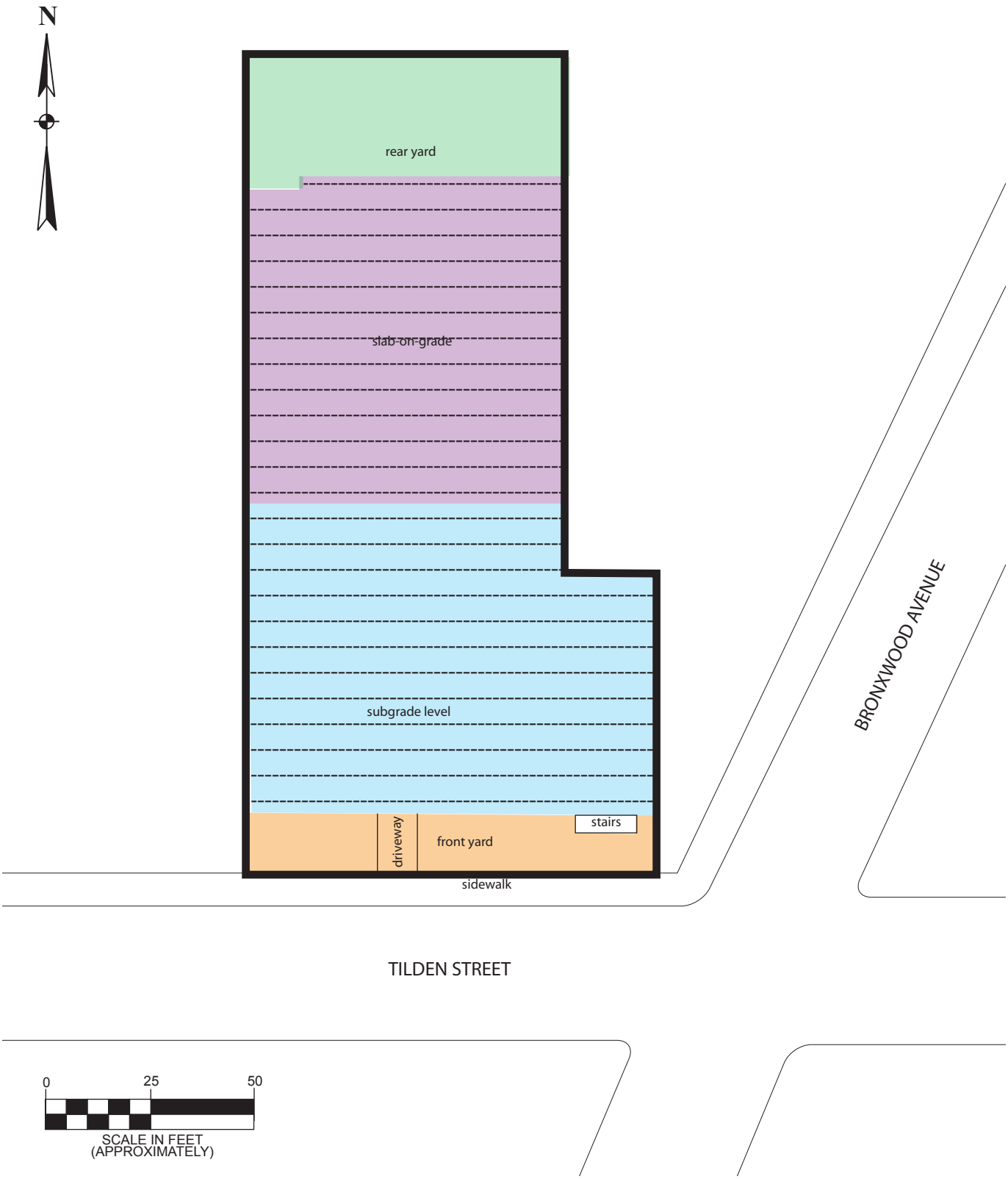
- subject property border
- 2' clean fill
- vapor barrier and 8" concrete slab
- vapor barrier and 5" slab with active SSDS
- paved areas and 2' of clean fill

ESI File: HB15073.50

January 2016

Scale as shown

Figures



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 4 - Vapor Barrier Plan

Sydney House
839-843 Tilden Street
Borough of Bronx, New York

Legend:

- subject property border
- vapor barrier installation area (VaporBlock Plus 20 or equivalent)

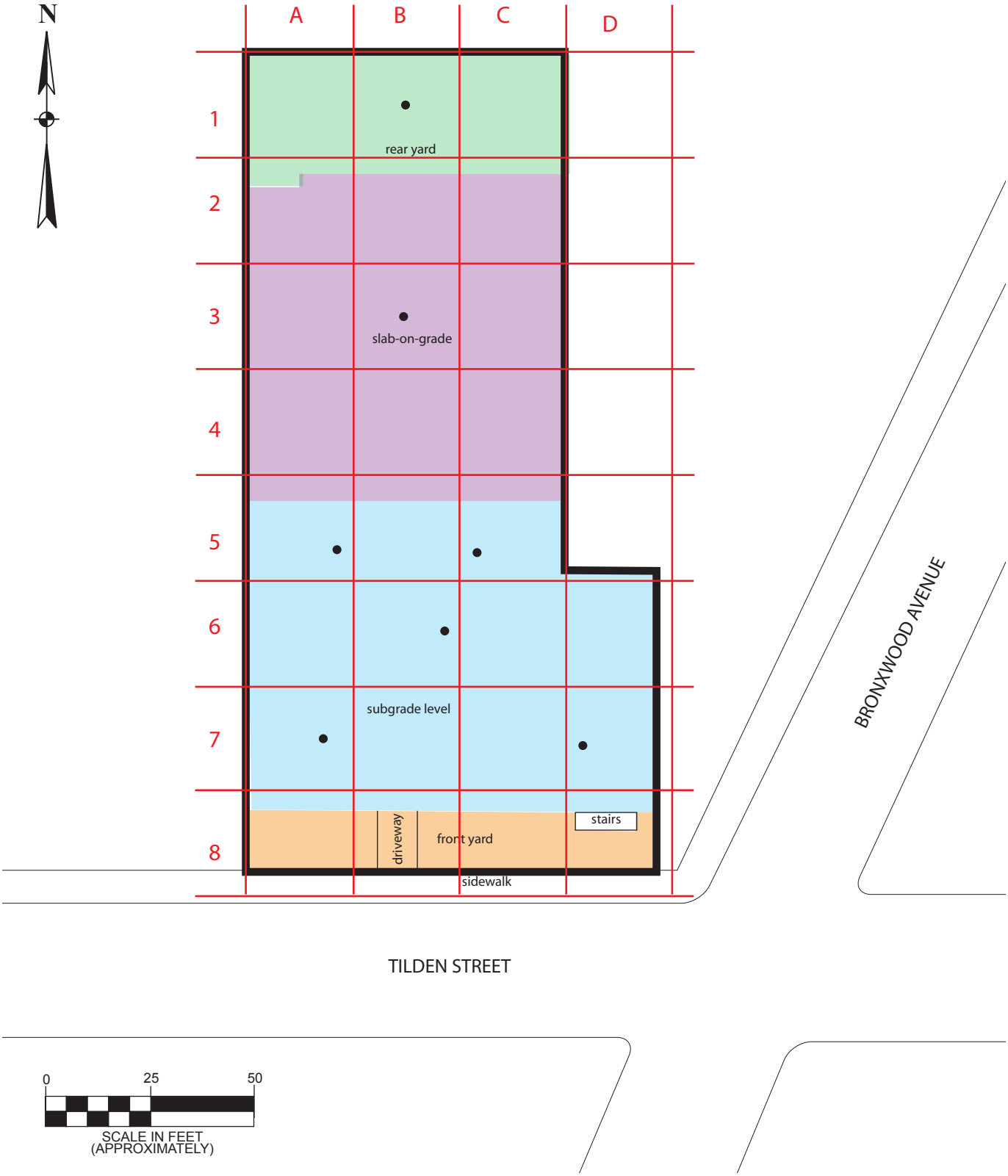
ESI File: HB15073.50

January 2016

Scale as shown

Figures

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 5 - Excavation Map and Post Excavation Sampling Plan
Sydney House
839-843 Tilden Street
Borough of Bronx, New York

Legend:
- subject property border
- proposed post excavation soil sample location

ESI File: HB15073.50
January 2016
Scale as shown
Figures

APPENDIX 1

Proposed *Development Plans*

SYDNEY HOUSE

839-843 TILDEN STREET

BRONX, NEW YORK

HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET
NEW YORK, NY 10038

ALMAT GROUP, LLC
68 JAY STREET
BROOKLYN, NY 11201

DESIGN DEVELOPMENT SET

10/29/2015

LIST OF SHEETS

BUILDING DATA AND BUILDING CODE ANALYSIS

APPLICABLE CODE: NEW YORK CITY BUILDING CODE 2014

PROPOSED USES	
DESCRIPTION	CLASSIFICATION
PARKING GARAGE	S–2
MULTIPLE DWELLING	R–2
PROPOSED CONSTRUCTION TYPES	
GROUND FLOOR (S–2)	1B
UPPER FLOORS (R–2)	1B

HEIGHT LIMITATIONS (TABLE 503)		
USE/CONSTRUCTION TYPE	MAXIMUM	PROPOSED
S–2/1B	UL	1 STORY
R–2/1B	UL	7 STORIES

AREA LIMITATIONS (TABLE 503)		
USE/CONSTRUCTION TYPE	MAXIMUM	PROPOSED
S–2/1B	UL	8,900 SF
R–2/1B	UL	10,375 SF*

*NOTES:

1. WHERE AUTOMATIC SPRINKLER SYSTEM IS PROVIDED, HEIGHT MAY BE INCREASED BY 20' AND 1 STORY (504.2)

2. WHERE AUTOMATIC SPRINKLER SYSTEM IS PROVIDED, AREA MAY BE INCREASED 200% (506.3)

GENERAL REQUIREMENTS

PER 903.2.7, 903.2.9 AN AUTOMATIC SPRINKLER SYSTEM WILL BE PROVIDED THROUGHOUT THE BUILDING

PER 905.3.1 A STANDPIPE WILL BE PROVIDED.

PER 907.2.9 AN AUTOMATIC FIRE ALARM SYSTEM WITHOUT ALARM NOTIFICATION APPLIANCES SHALL BE INSTALLED.

FIRE RESISTANCE REQUIREMENTS (TABLE 601/602)	
CONSTRUCTION TYPE 1B	
STRUCTURAL FRAME	2 HRS
EXTERIOR BEARING WALLS	2 HRS
EXTERIOR NON–BEARING WALLS	
SEPARATION <5' (R–2, S–2)	1 HOUR
SEPARATION 5' – 10' (R–2, S–2)	1 HOUR
SEPARATION 10' – 30' (R–2, S–2)	1 HOUR
SEPARATION >30' (R–2, S–2)	0 HOURS
INTERIOR NON–BEARING WALLS	0 HOURS
FLOOR	2 HOURS
ROOF	1 HOUR
STAIRS, HOISTWAYS, SHAFTS	2 HOUR
INTERIOR NON–BEARING PARTITIONS	0 HOURS
FLOOR	1 HOUR
ROOF	1 HOUR
SEPARATION OF OCCUPANCIES (TABLE 508.3.3)	
R / S–2 (SPRINKLERED)	1 HOUR

EGRESS REQUIREMENTS
OCCUPANT LOAD (TABLE 1004.1.2):

GROSS AREA OF DWELLING UNITS LARGEST RESIDENTIAL FLOOR:
9,997 SF / 200 SF/OCCUPANT = 50 TOTAL PER FLOOR
MINIMUM EGRESS WIDTH REQUIRED (PER TABLE 1005.1)
STAIRWAYS: 0.3" PER OCCUPANT: 50 x 0.3 = 15.0"
OTHER ELEMENTS: 0.2" PER OCCUPANT: 50 x 0.2 = 10.0"

MINIMUM WIDTHS OF EXIT ELEMENTS SHALL GOVERN

	REQUIRED	PROPOSED
MINIMUM CORRIDOR WIDTH	44"	60"
MINIMUM STAIR WIDTH	44"	44"
EXIT DOORS	36"	36"
MAXIMUM TRAVEL DIST	200'–0"	81'–0"
MAXIMUM DEAD END CORR	40'–0"	38'–0"

ACCESSORY STORAGE, MECHANICAL AREA:
5,133 SF / 300 SF/OCCUPANT = 17 TOTAL
MINIMUM EGRESS WIDTH REQUIRED (PER TABLE 1005.1)
STAIRWAYS: 0.3" PER OCCUPANT: 17 x 0.3 = 5.1"
OTHER ELEMENTS: 0.2" PER OCCUPANT: 17 x 0.2 = 3.4"

MINIMUM WIDTHS OF EXIT ELEMENTS SHALL GOVERN

	REQUIRED	PROPOSED
MINIMUM CORRIDOR WIDTH	44"	44"
MINIMUM STAIR WIDTH	44"	44"
EXIT DOORS	36"	36"
MAXIMUM TRAVEL DIST	200'–0"	78'–0"
MAXIMUM DEAD END CORR	40'–0"	12'–0"

RECREATION SPACE:
750 SF / 15 SF/OCCUPANT = 50 TOTAL
MINIMUM EGRESS WIDTH REQUIRED (PER TABLE 1005.1)
OTHER ELEMENTS: 0.2" PER OCCUPANT: 63 x 0.2 = 12.6"

MINIMUM WIDTHS OF EXIT ELEMENTS SHALL GOVERN

	REQUIRED	PROPOSED
MINIMUM CORRIDOR WIDTH	44"	108"
EXIT DOORS	36"	36"
MAXIMUM TRAVEL DIST	200'–0"	81'–0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-961-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

ISSUE	NO.	DESC.
10/29/15	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

DRAWING TITLE
BUILDING DATA & BUILDING CODE ANALYSIS; DRAWING INDEX

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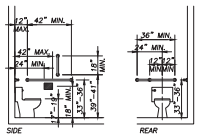
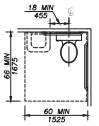
SCALE:
DWG NO: G101.00
SHEET: XX OF XX

NYC DOB NUMBER
Value

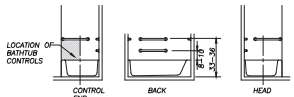
TYPE A- BATHROOMS



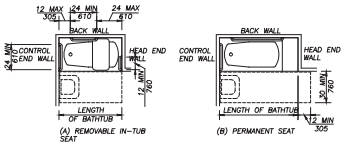
GRAB BARS FOR WATER CLOSETS FOR TYPE A UNITS



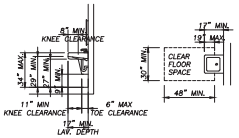
CLEARANCE FOR WATER CLOSETS FOR TYPE A UNITS



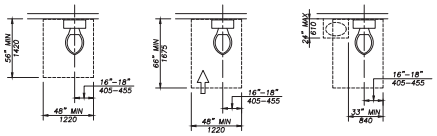
GRAB BARS FOR BATHTUB FOR TYPE A UNITS

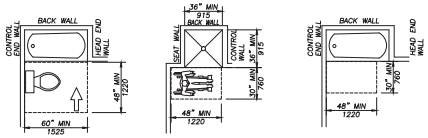


CLEARANCE FOR BATHTUB FOR TYPE A UNITS

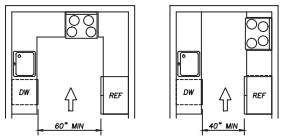


MINIMUM CLEARANCE FOR LAVATORY FOR TYPE A UNITS

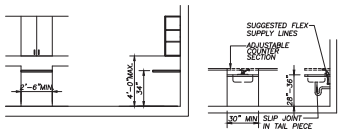




TYPE- A & B KITCHENS

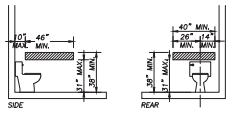


MANEUVERING CLEARANCE AT KITCHENS
PER ICC A117.1 1003.12



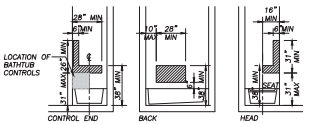
KITCHEN COUNTERTOPS

TYPE B- BATHROOMS



NOTE: THE LIGHTLY SHADED AREAS ARE REINFORCED TO RECEIVE GRAB BARS

REINFORCEMENT AREA FOR GRAB BARS FOR WATER CLOSETS FOR TYPE B UNITS
TO ALLOW INSTALLATION OF GRAB BARS IN CONFORMANCE WITH ICC A117.1 604.5



NOTE: THE LIGHTLY SHADED AREAS ARE REINFORCED TO RECEIVE GRAB BARS

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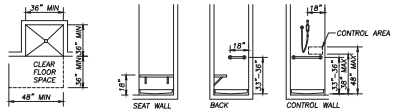
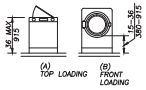
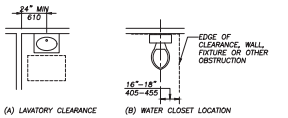
TO ALLOW INSTALLATION OF GRAB BARS IN CONFORMANCE WITH ICC A117.1 607.5



CLEARANCE FOR SHOWER CONTROLS FOR TYPE B UNITS

LAUNDRY COMPARTMENT





MANEUVERING CLEARANCE AT LAVATORY & WATER CLOSETS IN TYPE B UNITS

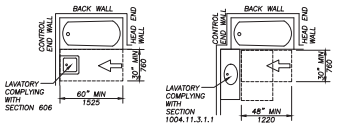
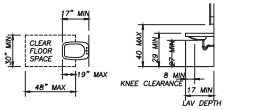
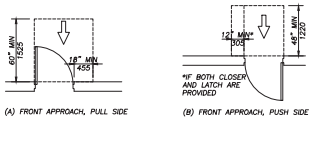


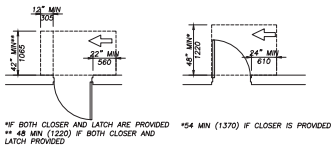
FIG. 1004.11.3.1.3.1
PARALLEL APPROACH BATHTUB

MANEUVERING CLEARANCE AT BATHTUBS & SHOWER COMPARTMENTS IN TYPE B UNITS



MINIMUM CLEARANCE FOR LAVATORY FOR TYPE B UNITS





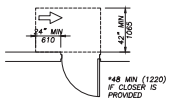


FIG. 404.2.3.2
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS

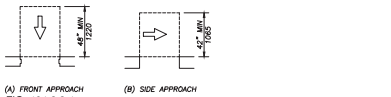


FIG. 404.2.3.4
MANEUVERING CLEARANCE AT DOORWAYS WITHOUT DOORS

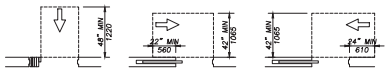


FIG. 404.2.3.3
MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

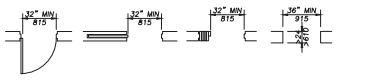


FIG. 404.2.2
CLEAR WIDTH OF DOORWAYS

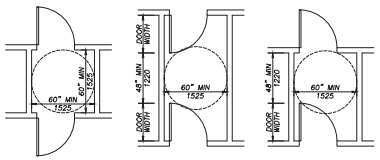


FIG. 404.2.5
TWO DOORS IN A SERIES

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	MISC.
10.28.2015	1	DESIGN DEVELOPMENT SET

OWNER
ALMAT GROUP LLC
58 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

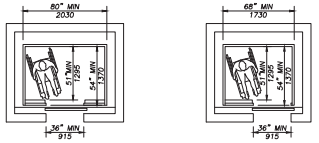
STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

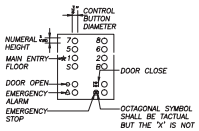
DRAWING TITLE
LL58 DETAILS; UFAS DETAILS

DATE: -----
PROJ NO. 15010
SCALE:
DRG NO. G102.00
SHEET XX OF XX

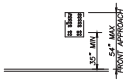
NYC DOB NUMBER
Value



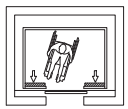
MINIMUM DIMENSIONS FOR ELEVATOR CAR



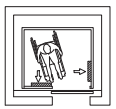
PANEL DETAIL



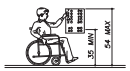
CONTROL HEIGHT



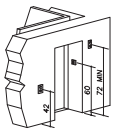
ALTERNATE LOCATION OF PANEL WITH CENTER OPENING DOOR



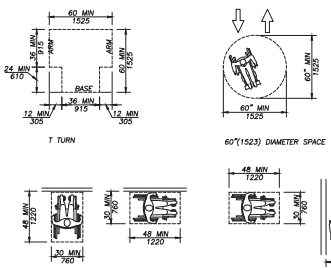
ALTERNATE LOCATION OF PANEL WITH SIDE OPENING DOOR



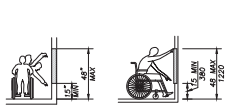
CAR CONTROL HEIGHT



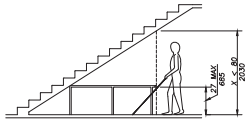
ELEVATOR ENTRANCE CONTROLS AND INDICATORS



MANEUVERING CLEARANCE AT CORRIDORS



REACH RANGES AS PER ICC A117.1 308



POTRUSION LIMITS AS PER ICC A117.1 307

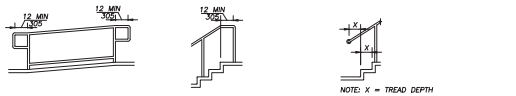
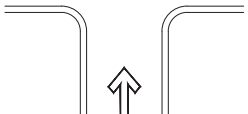


FIGURE 505.10.1
TOP AND BOTTOM
HANDRAIL EXTENSION AT RAMPS

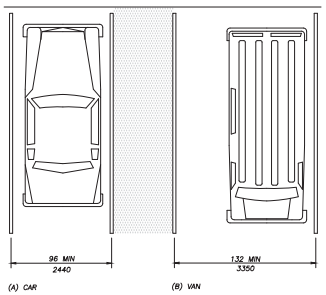
FIGURE 505.10.2
TOP HANDRAIL EXTENSION
AT STAIRS

FIGURE 505.10.3
BOTTOM HANDRAIL EXTENSION
AT STAIRS



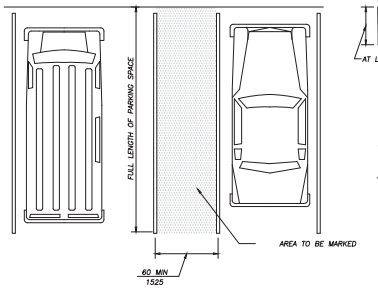
(A) CUT THROUGH AT ISLAND

FIGURE 406.7
ISLANDS IN CROSSINGS



(A) CAR (B) VAN

VEHICLE PARKING SPACES



PARKING SPACE ACCESS AISLE

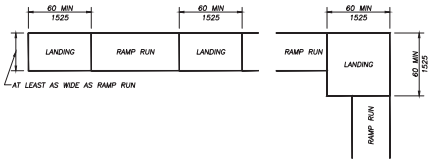


FIGURE 405.7
RAMP LANDINGS

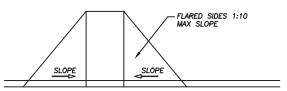


FIGURE 406.3
SIDES OF CURB RAMPS

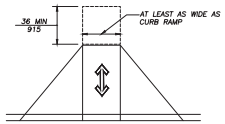


FIGURE 406.4
LANDINGS AT THE TOP OF CURB RAMPS

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	REMARK
10.29.2015	1	DESIGN DEVELOPMENT SET

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

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HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
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175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
LL58 DETAILS; UFAS DETAILS

DATE: -----
PROJ NO.: 15010
SCALE:
DRG NO.: G103.00
SHEET: XX OF XX

NYC DOB NUMBER
Value

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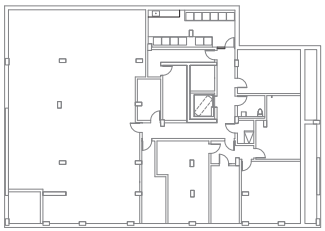
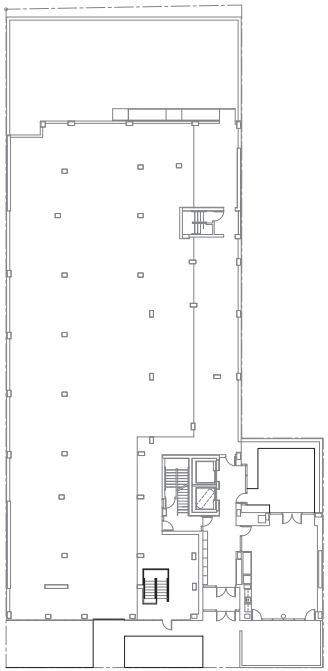
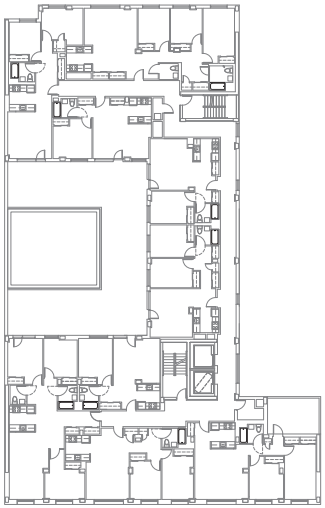


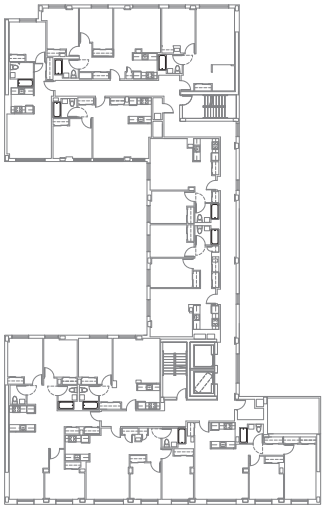
CELLAR



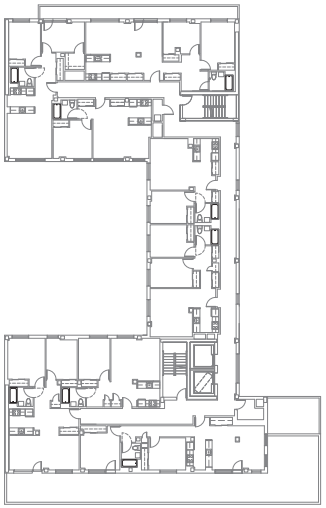
1ST FLOOR



2ND-6TH FLOOR



3RD-6TH FLOORS



7TH FLOOR

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

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OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

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HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
EGRESS DIAGRAMS

DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. G104.00
SHEET OF

NYC DOB NUMBER
Value

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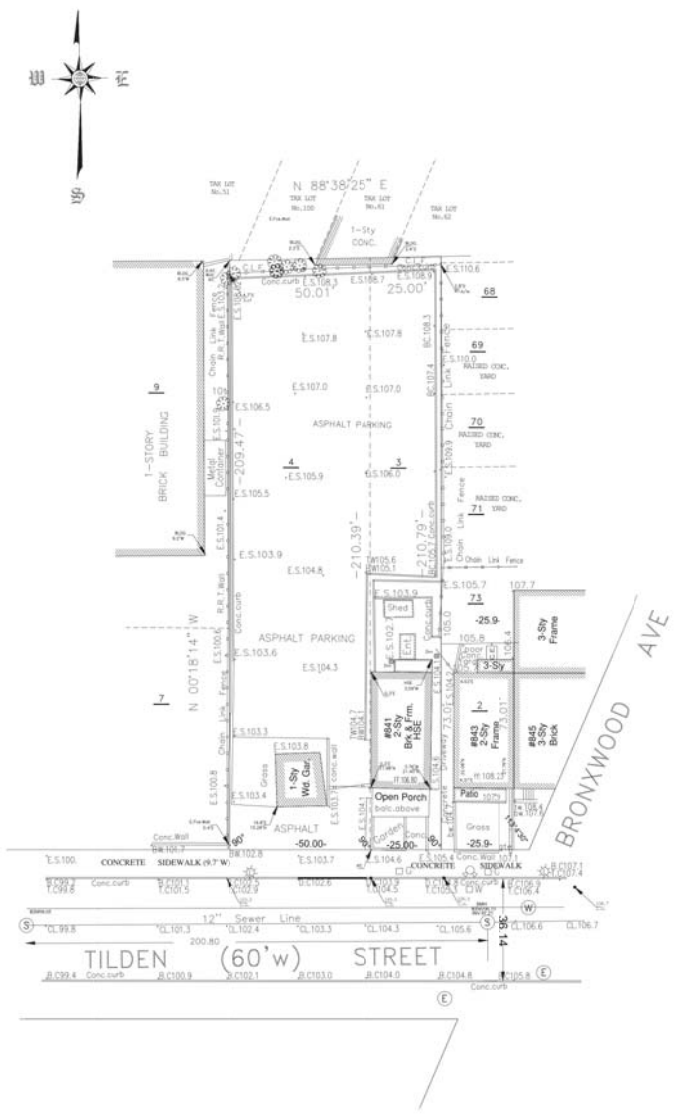

LEGEND

LEGAL GRADE
INTERPOLATED GRADE
EXISTING ELEVATION
BUILDING
WALLS
FENCE
SEWER
WATER
GAS
ELECTRIC
TELEPHONE
FIRE ALARM & OR CABLE
STEAM
OVERHEAD UTILITY LINE
U.S. PIERHEAD LINE
U.S. BULKHEAD LINE
U.S. PIERHEAD & BULKHEAD LINE
CATCHBASIN
FIRE HYDRANT
VALVE
DEPRESSED CURB
TAX LOT NUMBER
TAX LOT LINE & DIMENSION
EASEMENT LINE
STREET LINE & DIMENSION
SITE LINE & DIMENSION
MANHOLES
TREES----

PARTY WALL INDEPENDENT

LOW PRESSURE HIGH PRESSURE

40.00' (T.M.)

200.00'

100'

(S) SEWER (W) WATER
(E) ELECTRIC (G) GAS
(St) STEAM (F) N.Y.F.D.
(Sb) SUBWAY (T) TELEPHONE
(MH) MANHOLE (NO ID) (B) BECO or CTES
(C) CABLE TV IRON
(S) FROM RECORD MAP

MISCELLANEOUS

TRAFFIC SIGN
PARKING METER
COAL CHUTE
VENT PIPE
FIRE CALL BOX
TRFC.CONT BOX
MAILBOX
PAY PHONE
ELECTRIC BOX
OIL FILL
MONUMENT
STANDPIPE
SPRINKLER
ROUND DRAIN
SQUARE DRAIN
SIGN
DIRECTION OF TRAFFIC

GUY WIRE
WOOD UTILITY POLE
WOOD UTILITY POLE W/ FIRE CALL BOX
WOOD UTILITY POLE W/ PEDESTRIAN SIGNAL
WOOD UTILITY POLE W/ TRAFFIC SIGNAL
TRAFFIC SIGNAL W/ PEDESTRIAN SIGNAL ON WOOD UTILITY POLE
STREET LIGHT ON WOOD UTILITY POLE
STREET LIGHT & FIRE CALL BOX ON WOOD UTILITY POLE
STREET LIGHT & PEDESTRIAN SIGNAL ON WOOD UTILITY POLE
STREET LIGHT & TRAFFIC SIGNAL ON WOOD UTILITY POLE

STREET LIGHT & TRAFFIC SIGNAL W/ PEDESTRIAN SIGNAL ON WOOD UTILITY POLE
STREET LIGHT (METAL LIGHT)
STREET LIGHT W/ PEDESTRIAN SIGNAL
STREET LIGHT W/ TRAFFIC SIGNAL
STREET LIGHT & TRAFFIC SIGNAL W/ PEDESTRIAN SIGNAL
TRAFFIC SIGNAL
PEDESTRIAN SIGNAL
TRAFFIC SIGNAL W/ PEDESTRIAN SIGNAL

NOTES

ALL ELEVATIONS SHOWN REFER TO THE HIGH WATER _DATUM WHICH IS 2.608 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NEW JERSEY AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY.

ALL SUBSURFACE INFORMATION SHOWN IS TAKEN FROM VARIOUS MAPS AND IS NOT GUARANTEED FOR ACCURACY OR COMPLETENESS.

ALL DIMENSIONS SHOWN ARE IN THE U.S. STANDARD OF MEASUREMENT.

ALL ENCROACHMENTS SHOWN TO POLES OR TREES REFER TO THE CENTER OF SAME.

AS SHOWN ON THE "TAX MAP" OF THE CITY OF NEW YORK ..

"ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S BLUE INKED OR EMBOSSED SEAL SHALL BE CONSIDERED TO BE A TRUE VALID COPY"

"UNAUTHORIZED ALTERATIONS OR ADDITION TO A LAND SURVEYING DRAWING BEARING A LICENSED PROFESSIONAL LAND SURVEYOR'S SEAL IS A VIOLATION OF ARTICLE 145, SECTION 7209 PARAGRAPH 2 OF THE NEW YORK STATE EDUCATION LAW"

ALL INFORMATION ON THIS MAP EXCEPT THAT PERTAINING TO THE PROPERTY LINE IS FOR REFERENCE ONLY.

THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSON AND OR THE ORGANIZATION FOR WHOM THIS SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENT AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE SUCCESSORS AND OR ASSIGNEES OF THE LENDING INSTITUTION. CERTIFICATIONS ARE NOT TRANSFERABLE.

KNOWN AND DESIGNATED AS LOT 2,3 & 4, BLOCK 4671 ON THE OFFICIAL TAX MAP BOROUGH OF BRONX , STATE OF NEW YORK.

THIS IS TO CERTIFY THAT THERE ARE NO VISIBLE ERRORS OR MATERIAL MATTER DISCREPANCIES ACROSS THE PROPERTY AS SHOWN ON THIS SURVEY.
UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY STAMPED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED OR INKED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

NEVILLE V. RAMSAY LIC. No. 050294-1

NVREC PROFESSIONAL LAND SURVEYORS-PLANNERS	3024 RADCLIFF AVENUE BRONX, NEW YORK 10469 PH. : (718) 6019753 PH. : (718) 6842763 FAX : 718--7969203 MOBILE : 917--5448174	SCALE 1" = 16'	TOPOGRAPHY SURVEY OF # 841 TILDEN ST. SITUATED IN THE BOROUGH OF BRONX BRONX COUNTY STATE OF NEW YORK.	SURVEYED: NOV.1,2013 DRAFTED: NOV.8,2013	CERTIFICATIONS: 1) DEPARTMENT OF BUILDING	

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-991-4000

ARCHITECT
UNION STREET STUDIO, LLC
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BROOKLYN, NY 11231
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STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

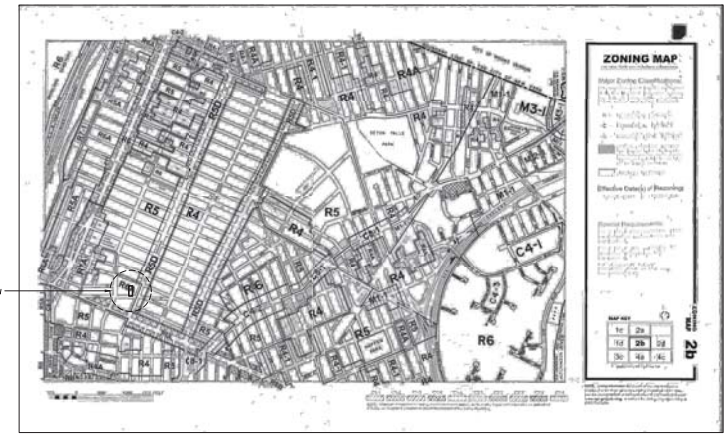
DRAWING TITLE
ARCHITECTURAL SURVEY

DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. AS101.00
SHEET XX OF XX

NYC DOB NUMBER
Value

10/28/2015 3:20:14 PM g:\jobs\2015\15010 sydney house\drawings\condocs\sheets\as101.00 architectural survey.dwg

SANBORN MAP
NOT TO SCALE



N
ZONING MAP 2B

N
AREA PLAN
NOT TO SCALE

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
AREA PLAN; ZONING MAP; SANBORN MAP

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: AS102.00
SHEET: XX OF XX

NYC DOB NUMBER
Value

10/28/2015 3:00:24 PM g:\jobs\2015\15010 sydney house\drawings\construction\sheets\as102.00 area plans; zoning maps; sanborn maps.dwg

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' National Geodetic Vertical Datum of 1929 (NGVD 29). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was New York State Plane FIPSZONE 3104. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3182
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the Department of Information Technology and Telecommunication, City of New York. This information was derived from digital orthophotos produced at a scale of 1:1,200 with 2-foot pixel resolution from photography dated 2004.

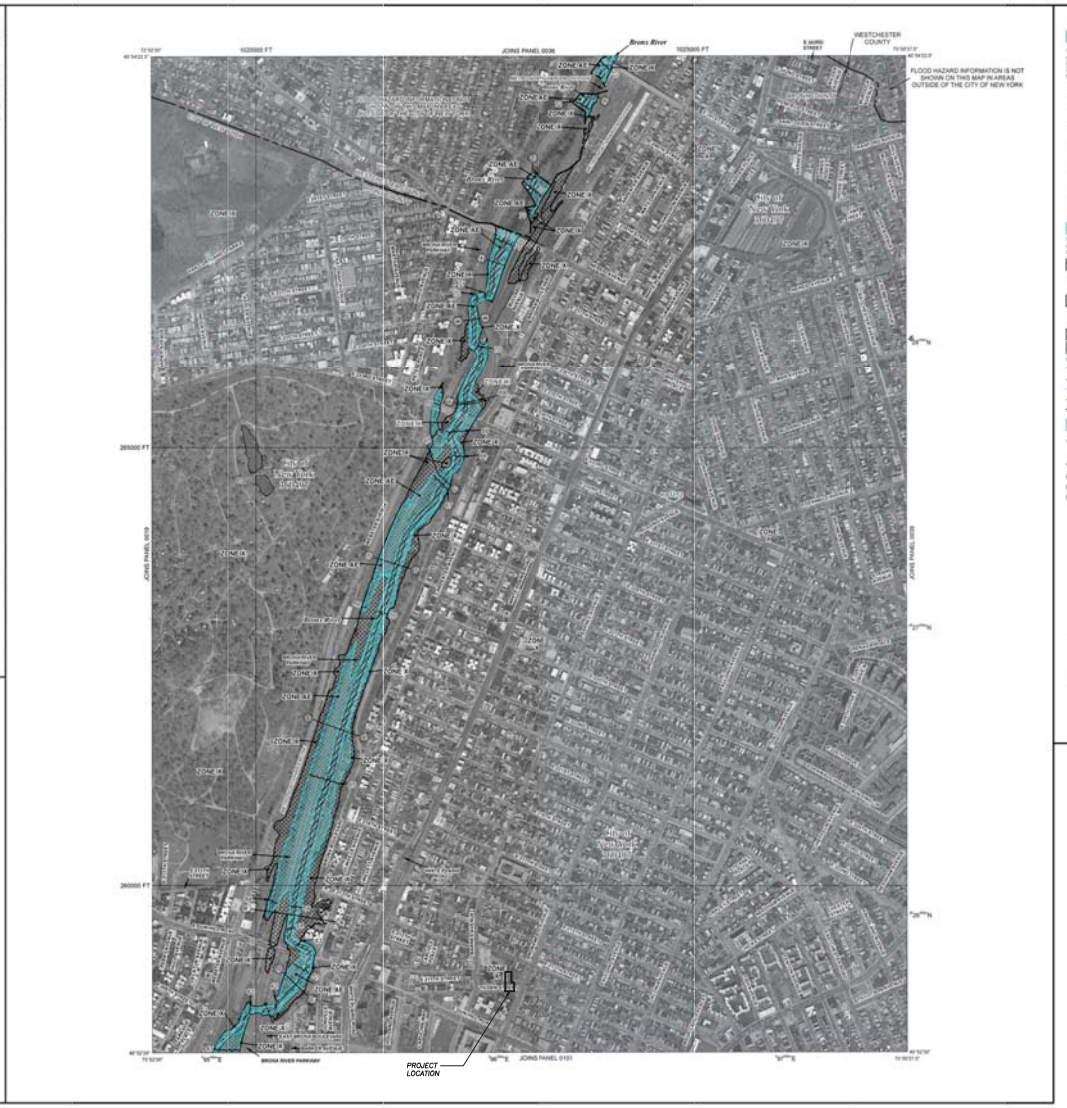
Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map showing the layout of map panels for this jurisdiction.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A — No Base Flood Elevations determined.
ZONE AE — Base Flood Elevations determined.
ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99 — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
Base Flood Elevation line and value; elevation in feet*
(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the National Geodetic Vertical Datum of 1929

Cross section line
Transect line
97°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
1000-meter Universal Transverse Mercator grid values, zone 18
600000 FT — 5000-foot grid ticks: New York State Plane coordinate system, Long Island zone (FIPSZONE 3104), Lambert Conformal Conic projection
DX510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

INITIAL NFIP MAP DATE
June 28, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
June 11, 1976

FLOOD INSURANCE RATE MAP EFFECTIVE
November 16, 1983

FLOOD INSURANCE RATE MAP REVISIONS
September 5, 2007 – To change Special Flood Hazard Areas, to reflect updated topographic information, and to update map format

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
1000 0 500 1000 FEET
300 0 150 300 METERS

NFIP — NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0038F

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
NEW YORK, NEW YORK
BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES

PANEL 38 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0038	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
3604970038F

MAP REVISED
SEPTEMBER 5, 2007

Federal Emergency Management Agency

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

ISSUE	NO.	DESC.
10.29.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

DRAWING TITLE
FEMA MAP

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SCALE:
DWG NO.: AS103.00
SHEET: XX OF XX

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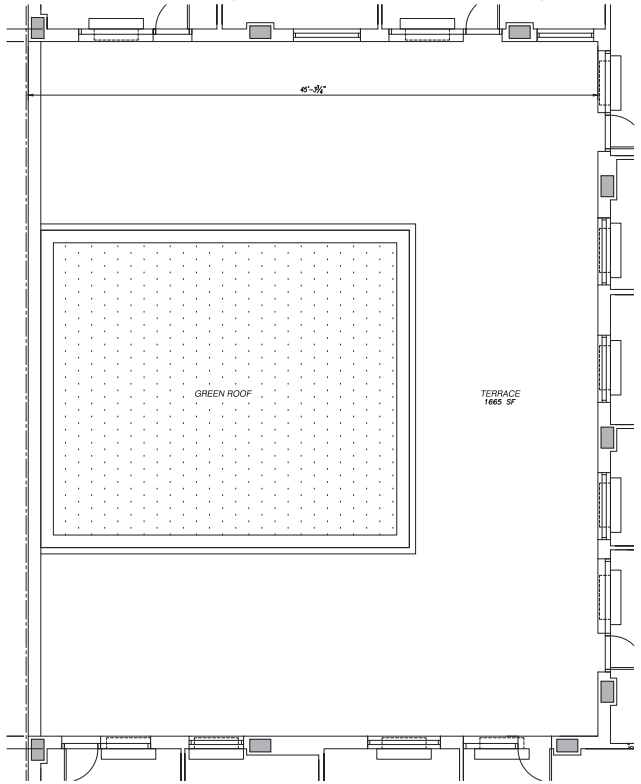
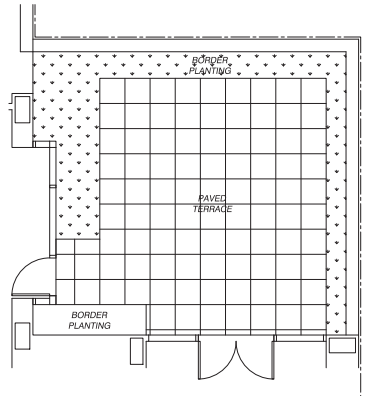
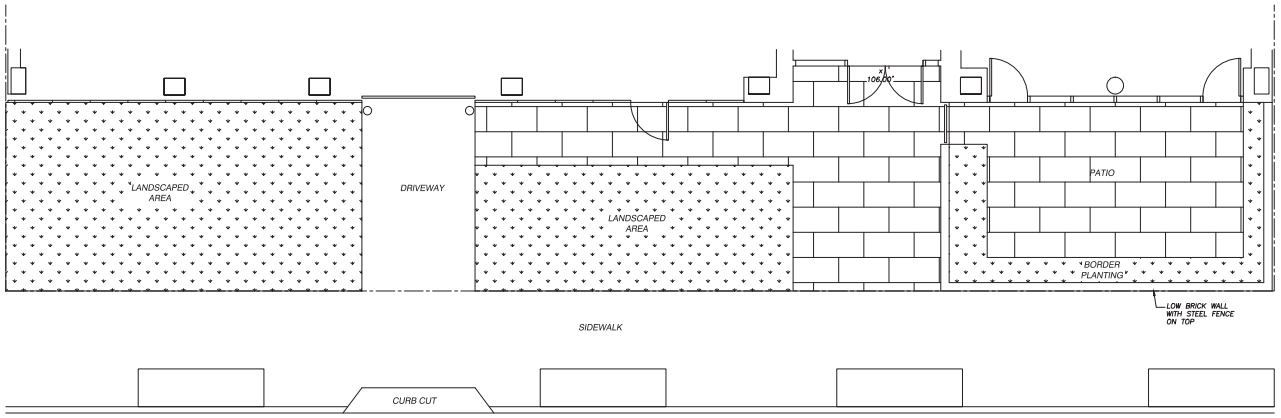


3 2ND FLOOR - GREEN ROOF
1/4" = 1'-0"



2 LANDSCAPE PLAN - COMMON ROOM COURTYARD
1/4" = 1'-0"



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1 LANDSCAPE PLAN - FRONT YARD
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
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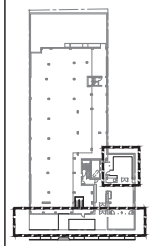
REVISION	NO.	DESC.

KEY PLAN



OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
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212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
LANDSCAPE PLAN - SOUTH

DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. AS104.00
SHEET OF

NYC DOB NUMBER
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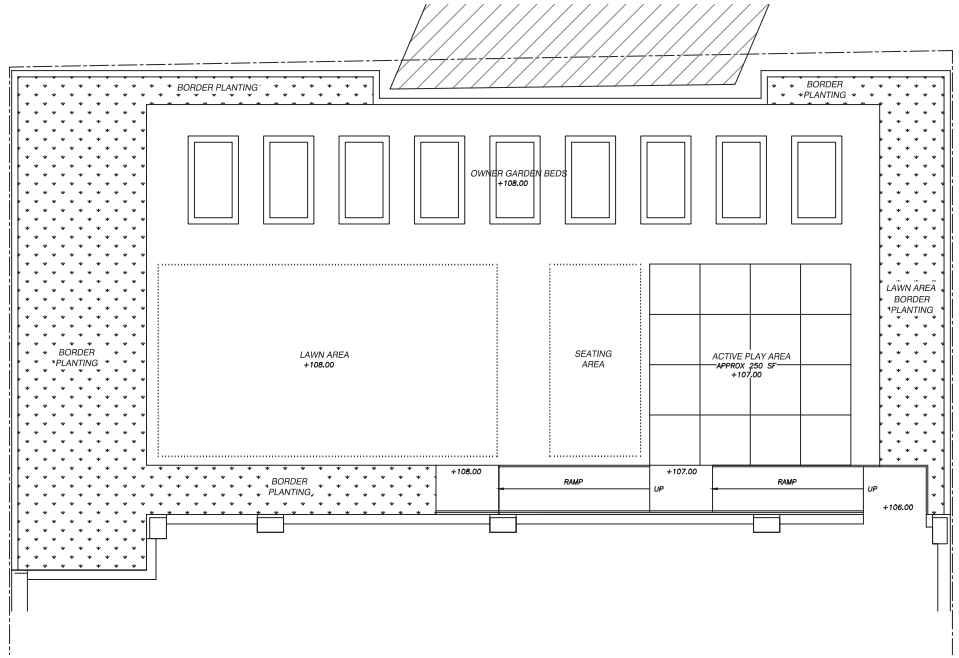

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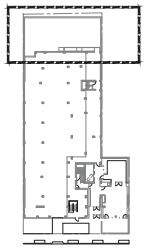
1 LANDSCAPE PLAN - REAR YARD
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

KEY PLAN



OWNER
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718-596-0800

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MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
LANDSCAPE PLAN - NORTH

DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. AS105.00
SHEET OF

NYC DOB NUMBER
Value

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ADDRESS	839-843 TILDEN STREET, BRONX, NY (NARROW STREET)
BLOCK	4671
LOTS	2,3,4
TOTAL LOT AREA	17,651 SF
ZONE	R6A
MAP	2B

ZR SECTION	TITLE	PERMITTED/REQUIRED	PROPOSED	COMPLIANT
23-145	FAR	3.00 3.00 X 17,651 = 52,953 SF	52,845	YES
23-145	LOT COVERAGE	65% .65 X 17,651 = 11,473 SF	9,993 SF	YES
23-22	DENSITY	680 SF / DWELLING UNIT 52,853 / 680 = 78	57	YES
23-462	YARDS	NO SIDE YARD REQUIRED, BUT IF OPEN SPACE IS PROVIDED IT SHALL BE MINIMUM 8' WIDE ALONG ENTIRE LENGTH OF PROPERTY	NONE	YES
23-47	YARDS	REAR YARD OF MINIMUM 30' DEPTH PROVIDED ALONG EVERY REAR LOT LINE	30' REAR YARD	YES
23-541	YARDS	NO REAR YARD REQUIRED WITHIN 100' OF CORNER		
23-633(a)(1)	STREET WALL LOCATION	STREET WALL SHALL BE LOCATED NO CLOSER THE THE STREET LINE THAN THE CLOSEST STREET WALL OF AN EXISTING BUILDING SUCH STREET LINE, LOCATED ON THE SAME BLOCK, AND WITHIN 150 FT OF SUCH BUILDING. HOWEVER, A STREET WALL NEED NOT BE LOCATED FURTHER THAN 15' FROM THE STREET LINE.	15 FT	YES
23-633(a)(3)(i)	STREET WALL LOCATION	THE STREET WALL SHALL EXTEND ALONG THE ENTIRE STREET FRONTAGE OF THE ZONING LOT		YES
23-633(b)(2)	HEIGHT AND SETBACK	ON NARROW STREET WHERE STREET WALL IS REQUIRED TO BE LOCATED > 10' FROM STREET LINE, THE DEPTH OF THE REQUIRED SETBACK MAY BE REDUCED BY 1' FOR EACH FOOT BEYOND 10' OF STREET LINE REQUIRED SETBACK = 15' AMOUNT BEYOND 10' = 5' AMOUNT SETBACK MAY BE REDUCED: 5 X 1' = 5'; REQUIRED SETBACK = 15' – 5' = 10'	10'	YES
23-633(c)	HEIGHT	MINIMUM BASE HEIGHT: 40' MAXIMUM BASE HEIGHT: 60' MAXIMUM BUILDING HEIGHT: 70'	BASE HEIGHT: 59'-8" BLDG HEIGHT: 69'-0"	YES
23-663(b)	REAR SETBACKS	NO PORTION OF BUILDING EXCEEDING MAXIMUM BASE HEIGHT SHALL BE CLOSER TO REAR YARD LINE THAN 10'		YES
23-841	NARROW OUTER COURT	WHERE OUTER COURT < 30' WIDE, THE WIDTH SHALL BE AT LEAST 1.33 X DEPTH OF OUTER COURT		
23-842	WIDE OUTER COURT	WHERE OUTER COURT > 30' WIDE, THE WIDTH SHALL BE AT LEAST EQUAL TO THE DEPTH EXCEPT SUCH WIDTH NEED NOT EXCEED 60'		
23-851	INNER COURT	MINIMUM AREA OF AN INNER COURT SHALL BE 1,200 SF AND WITH MINIMUM DIMENSION NOT LESS THAN 30'	PROPOSED 45'-3" X 55'-3"	YES
23-861	MINIMUM DISTANCE BETWEEN LEGALLY REQUIRED WINDOWS AND WALLS OR LOT LINES	MINIMUM DISTANCE BETWEEN LEGALLY REQUIRED WINDOW AND WALL, REAR LOT LINE, SIDE LOT LINE SHALL BE 30'	30'	YES
23-863	MINIMUM DISTANCE BETWEEN LEGALLY REQUIRED WINDOWS AND ANY WALL IN AN INNER COURT	MINIMUM DISTANCE BETWEEN LEGALLY REQUIRED WINDOW AND WALL OPPOSITE SHALL NOT BE LESS THAN 30' OR DISTANCE LESS THAN 1/2 HEIGHT OF SUCH WALL ABOVE THE WINDOW SILL	55'-3"	YES
23-892(a)	OPEN AREA	AREA BETWEEN STREET WALL AND STREET LINE SHALL BE PLANTED.		YES
25-25	PARKING	GOVERNMENT ASSISTED DWELLING UNITS WHICH RECEIVE NYC OR NYS ASSISTANCE: 35 % OF THE TOTAL NUMBER OF DWELLING UNITS: 57 UNITS X .35 = 19.95 = 20	26	YES
26-41	STREET TREES	1 STREET TREE SHALL BE PROVIDED FOR EVERY 25' OF ZONING LOT FRONTAGE: 100.9' / 25 = 4	4 TREES PROPOSED	YES
25-62	PARKING	300 SF OF UNOBSTRUCTED STANDING AND MANEUVERING SPACE SHALL = 1 PARKING SPACE. PARKING SPACE MINIMUM DIMENSIONS: 8'-6" X 18'-0"		YES
25-63	CURB CUT	CURB CUT SHALL NOT BE LOCATED LESS THAN 50' FROM CORNER	CURB CUT > 60' FROM CORNER	YES
25-631(e)	CURB CUT	ONE CURB CUT IS PERMITTED WITH A MAXIMUM WIDTH OF 12 FT INCLUDING SPLAYS		YES
25-66	SCREENING	OPEN PARKING AREAS MUST BE SCREENED BY EITHER A PLANTING STRIP 4' WIDE OR WALL MINIMUM 6' HIGH.		YES
25-811	BICYCLE PARKING	ENCLOSED BICYCLE PARKING SHALL BE PROVIDED AT THE RATE OF 1 PER 2 DWELLING UNITS: 57 UNITS / 2 = 29 SPACES REQUIRED	29	YES
25-83	BICYCLE PARKING	BICYCLE PARKING SHALL BE ENCLOSED, EXCEPT WHERE LOCATED IN AN OPEN PARKING GARAGE; SPACE SHALL ADJOIN A RACK; 15 SF OF AREA PROVIDED FOR EACH BICYCLE BUT MAY BE REDUCED BY 9 SF IF CERTIFIED THAT LAYOUT ADEQUATELY ACCOMMODATES THE REQUIRED NUMBER OF BICYCLES. 29 X 15 SF/SPACE = 435 SF	435 SF	YES
25-86	BICYCLE PARKING	WAIVER OR REDUCTION OF SPACES FOR SUBSIDIZED HOUSING	BICYCLE PARKING IS PROVIDED	YES
28-21	QUALITY HOUSING	MINIMUM DWELLING UNIT SIZE: 400 SF	SMALLEST UNIT 600 SF	YES
28-22		ALL WINDOWS TO BE DOUBLE GLAZED	ALL WINDOWS DOUBLE GLAZED	YES
28-23		REFUSE DISPOSAL ROOM OF MINIMUM 12 SF SHALL BE PROVIDED AT EACH STORY. 12 SF OF SUCH REFUSE STORAGE ROOM SHALL BE EXCLUDED FROM FLOOR AREA		YES
28-25		50% OF THE SQUARE FOOTAGE OF A CORRIDOR MAY BE EXCLUDED FROM FROM LOOR AREA IF WINDOW OF MIN. 20 SF IS PROVIDED WINDOW IS DIRECTLY VISIBLE FROM THE CIRCULATION CORE AND IS LOCATED AT LEAST 20' FROM SIDE OR REAR LOT LINE	WINDOW VISIBLE FROM ELEVATOR CORE IS PROVIDED	YES
28-31		RECREATION SPACE SHALL BE PROVIDED EQUALLING 3.3% OF RESIDENTIAL FLOOR AREA: 52,990 SF X 3.3% = 1,749 sf	750 SF INTERIOR 1,000 SF EXTERIOR	YES
28-32		STANDARDS FOR RECREATION SPACE: MINIMUM DIMENSION: 15' MINIMUM SIZE OF EXTERIOR SPACE: 225 SF MINIMUM SIZE OF INTERIOR SPACE: 300 SF OUTDOOR SPACE SHALL BE OPEN TO SKY. INDOOR SPACES SHALL HAVE AT LEAST ONE EXTERIOR WALL WITH WINDOWS EQUALING NOT LESS THAN 9.5% OF THE FLOOR SPACE OF THE ROOM AND MEETING THE REQUIREMENTS OF 24-60.		YES
28-41		IF THE NUMBER OF DWELLING UNITS PER CIRCULATION CORE DOES NOT EXCEED 11, THEN 50% OF THE CORRIDOR AREA MAY BE EXCLUDED FROM FLOOR AREA.	MAXIMUM 10 DWELLING UNITS PER CORE.	YES

TABLE 1 - DWELLING UNIT SPACE
839-843 Tilden Street

Dwelling Unit Space (fir)/unit ID)	Number of Each Space	Type of Unit (BR count)	Interior Gross Area Each Space	Total Interior Gross Area	Exterior Wall	Gross Area Including Exterior Walls Each Space	Total Gross Area Including Exterior Walls
2A	1	2	872	872	113	985	985
2B	1	2	840	840	56	896	896
2C	1	3	1,187	1,187	137	1,324	1,324
2D	1	1	608	608	23	631	631
2E	1	2	785	785	36	821	821
2F	1	1	610	610	21	631	631
2G	1	1	636	636	31	667	667
2H	1	2	812	812	112	924	924
2I	1	3	1,216	1,216	90	1,306	1,306
3-6A	4	2	872	3,488	113	985	3,940
3-6B	4	2	840	3,360	56	896	3,584
3-6C	4	3	1,187	4,748	137	1,324	5,296
3-6D	4	1	608	2,432	22	630	2,520
3-6E	4	2	785	3,140	36	821	3,284
3-6F	4	1	610	2,440	21	631	2,524
3-6G	4	1	636	2,544	30	666	2,664
3-6H	4	1	581	2,324	100	681	2,724
3-6I	4	2	827	3,308	37	864	3,456
3-6J	4	1	600	2,400	65	665	2,660
7A	1	2	874	874	78	952	952
7B	1	2	895	895	107	1,002	1,002
7C	1	1	635	635	23	658	658
7D	1	2	785	785	36	821	821
7E	1	1	609	609	21	630	630
7F	1	1	602	602	30	632	632
7G	1	2	806	806	99	905	905
7H	1	2	962	962	81	1,043	1,043
Totals	57			41,918			47,480

TABLE 2 - RESIDENTIAL COMMON SPACE
839-843 Tilden Street

Residential Common Space	Number of Each Space	Interior Gross Area Each Space	Total Interior Gross Area	Exterior Wall	Gross Area Including Exterior Walls Each Space	Total Gross Area Including Exterior Walls
Lobby & Vestibule	1	430	430	99	529	529
Community Room	1	778	778	101	879	879
1st Floor Corridor & Stairs	1	373	373	42	415	415
2nd Floor Floor Corridor & Stairs	1	1693	1693	101	1794	1794
3rd-6th Floor Corridor & Stairs	4	1724	6896	101	1825	7300
7th Floor Corridor & Stairs	1	1723	1723	101	1824	1824
Janitor 2 - 7	5	29	145	0	29	145
Rubbish/Recycle 2-7	5	60	300	14	74	370
Cellar Corridors & Stairs	1	1063	1063	67	1130	1130
Laundry	1	494	494	81	575	575
Cellar Mechanical	1	1470	1470	117	1587	1587
Toilet	1	46	46	0	46	46
Cellar Janitor	1	45	45	0	45	45
Tenant Storage	1	2232	2232	197	2429	2429
Building Storage	1	177	177	5	182	182
Parking	1	10242	10242	411	10653	10653
Totals			28107			29908

TABLE 3 - TOTAL RESIDENTIAL INTERIOR GROSS AREA PERCENTAGES
839-843 Tilden Street

Total Residential Space	Total Interior Gross Area	Percent of Total Interior Residential Gross Area
Dwelling Unit Space	43,918	60.98%
Residential Common Space	28,107	39.02%
Totals	72,025	100.00%

TABLE 4 - TOTAL BUILDING GROSS AREA
839-843 Tilden Street

Building Totals	Total Interior Gross Area	Total Gross Area Including Exterior Walls
Residential Dwelling Unit Space	43,918	47,480
Residential Common Area	28,107	29,903
Non-Residential Space	0	0
Grand Totals	72,025	77,383

UNITS TYPE	2nd FL	3rd FL	4th FL	5th FL	6th FL	7th FL	TOTAL TYPES
1 BR TYPE 'A'		1					1
2 BR TYPE 'A'			1				1
3 BR TYPE 'A'	1						1
1 BR TYPE 'B'	3	3	3	3	3	3	18
2 BR TYPE 'B'	5	4	4	4	4	5	26
3 BR TYPE 'B'	1	1	1	1	1	0	5
1 BR HEARING IMPAIRMENT		1					1
2 BR VISUAL IMPAIRMENT	1						1
TOTAL UNITS/ FL	9	10	10	10	10	8	57

ALL UNITS ARE TYPE B UNITS UNLESS OTHERWISE NOTED ON THE PLANS.

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	MISC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	MISC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

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111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

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MEP CONSULTANTS
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176 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
ZONING ANALYSIS

DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. Z101.00
SHEET XX OF XX

NYC DOB NUMBER
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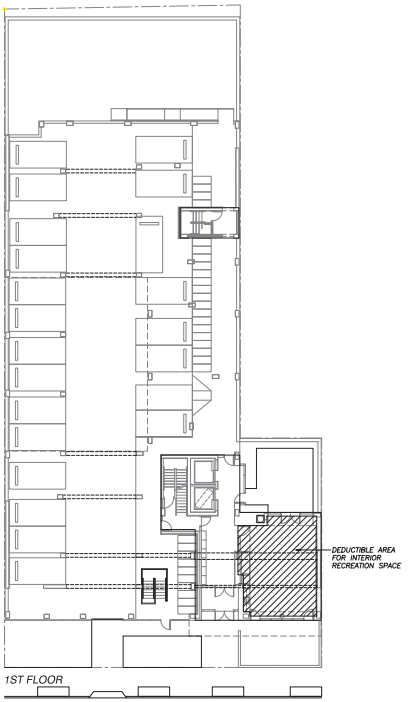
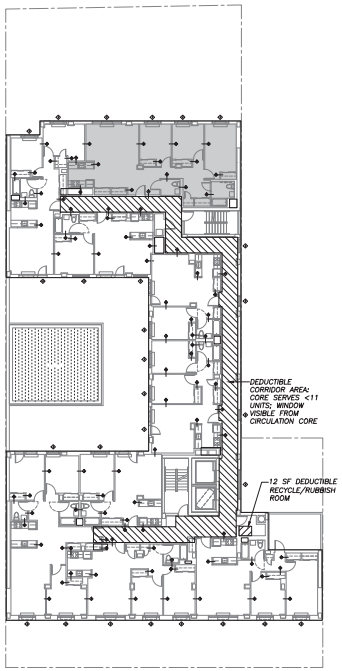
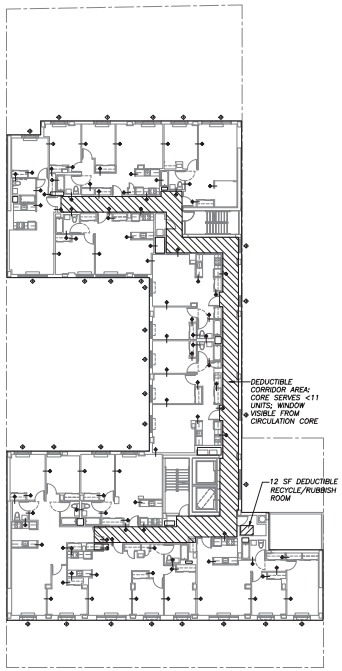


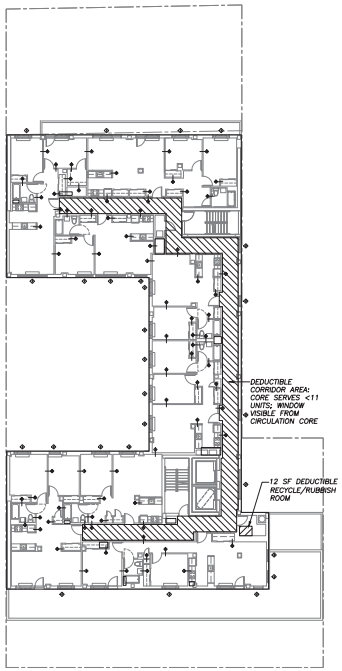
1ST FLOOR



2ND FLOOR



3RD-6TH FLOORS



7TH FLOOR

PRELIMINARY ZONING AREA TABLE

AREA ID	AREA FORMULA	AREA (SF)	COMMENT
1FLR A		181	
1FLR B		1890	
2 FLR		9997	
3 FLR		9997	
4 FLR		9997	
5 FLR		9997	
6 FLR		9997	
7 FLR		8501	
FLOOR AREA SUBTOTAL		60557	
DEDUCTIONS – INCLUDES QUALITY HOUSING DEDUCTIONS AND MECHANICAL SPACE DEDUCTIONS			
1		750	INCLUDES MECH DEDUCTIONS
2		1162	INCLUDES MECH DEDUCTIONS
3		1172	INCLUDES MECH DEDUCTIONS
4		1172	INCLUDES MECH DEDUCTIONS
5		1172	INCLUDES MECH DEDUCTIONS
6		1172	INCLUDES MECH DEDUCTIONS
7		1112	INCLUDES MECH DEDUCTIONS
MECH SUBTOTAL		7712	
NET ZONING FLOOR AREA		52845	
ALLOWABLE		52953	
OVERAGE		−108	

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

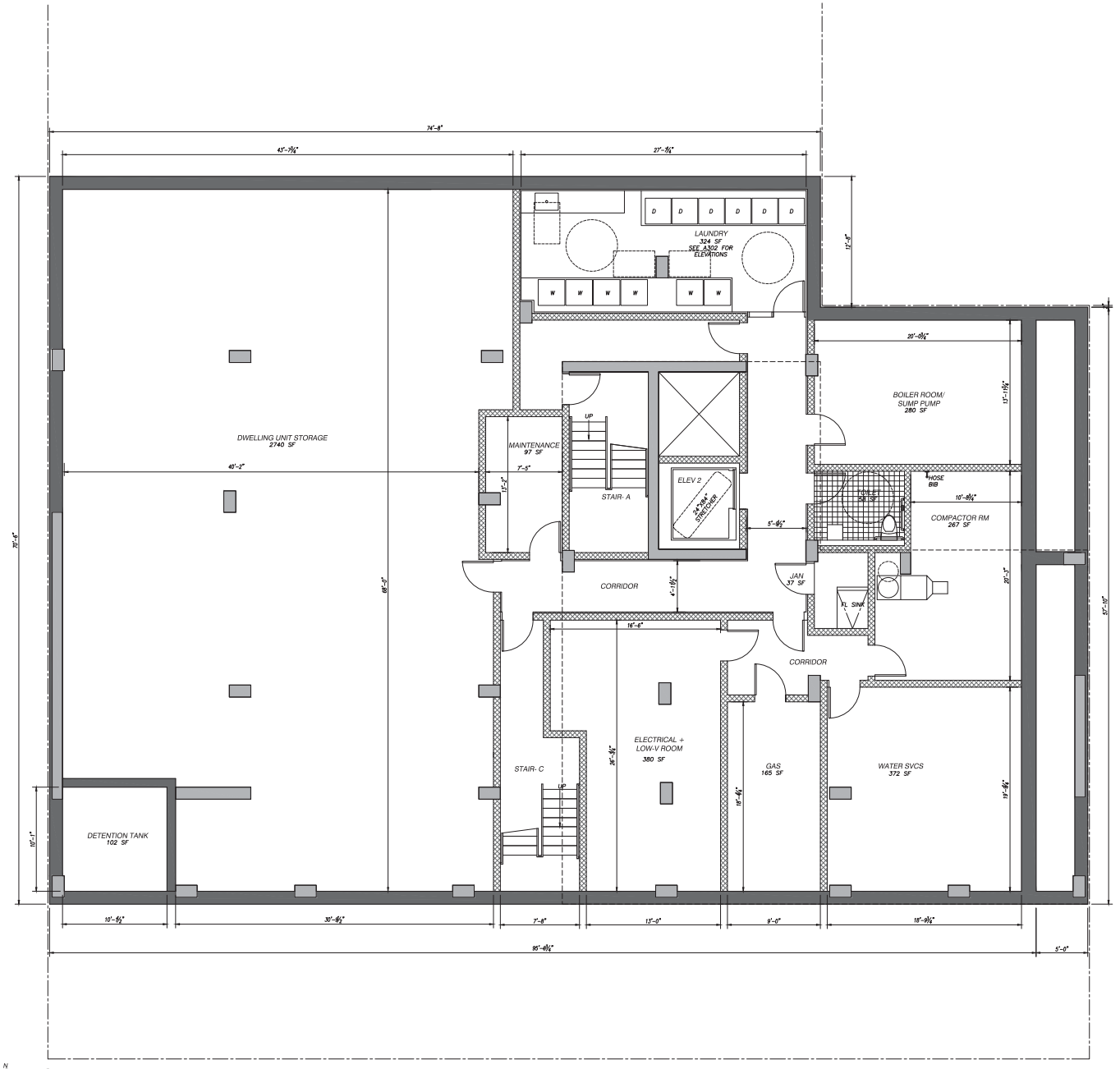
STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
ZONING AREA CALCULATIONS

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: Z102.00
SHEET OF

NYC DOB NUMBER
Value



N

1 CELLAR PLAN
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUED	NO.	DESCR.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISIONS

REVISION	NO.	DESC.

KEY PLAN

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
CELLAR PLAN

DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. A101.00
SHEET XX OF XX

NYC DOB NUMBER
Value

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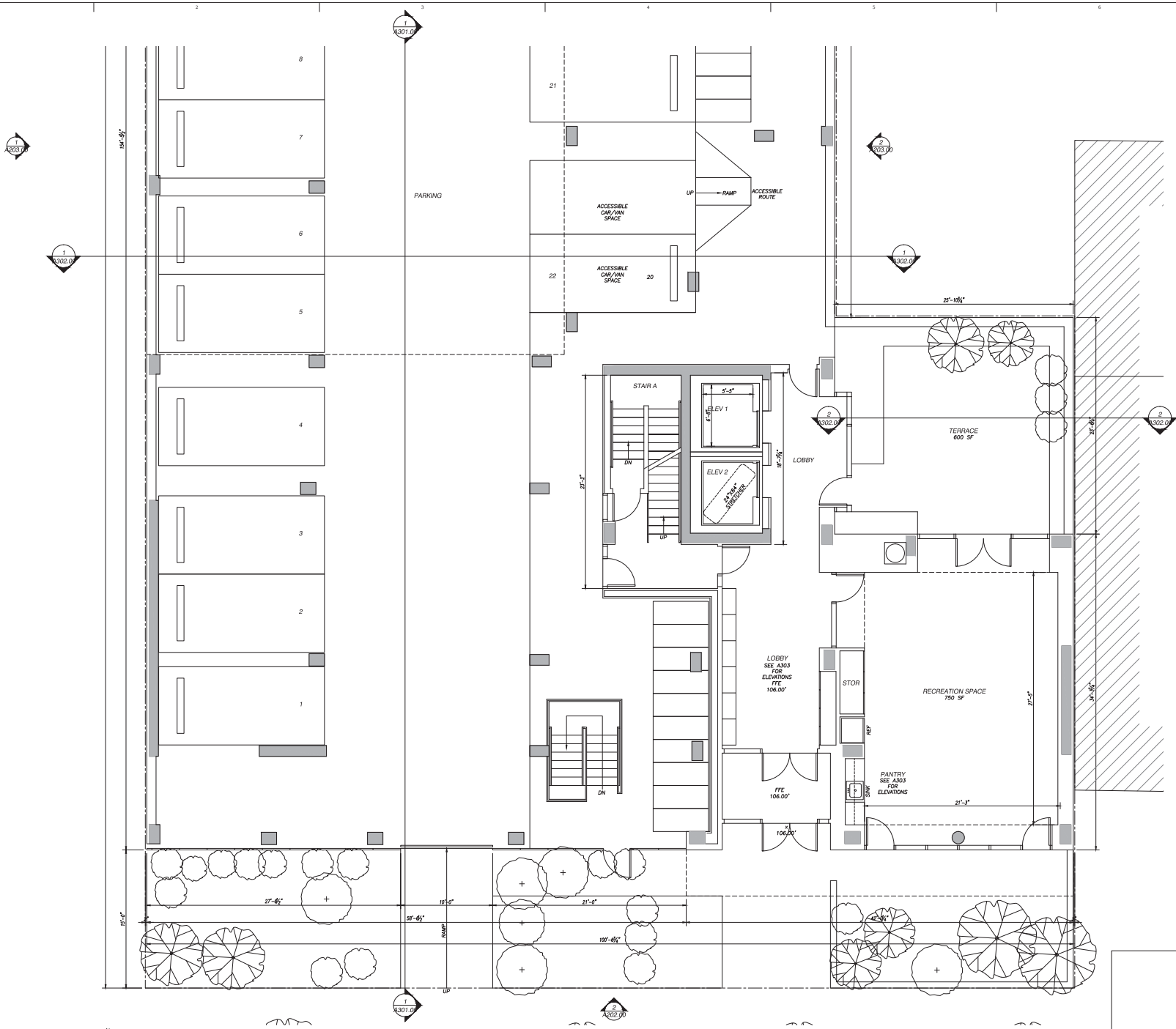

1 1ST FLOOR PLAN - SOUTH
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-991-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
1ST FLOOR PLAN - SOUTH

DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. A102.00
SHEET XX OF XX

NYC DOB NUMBER
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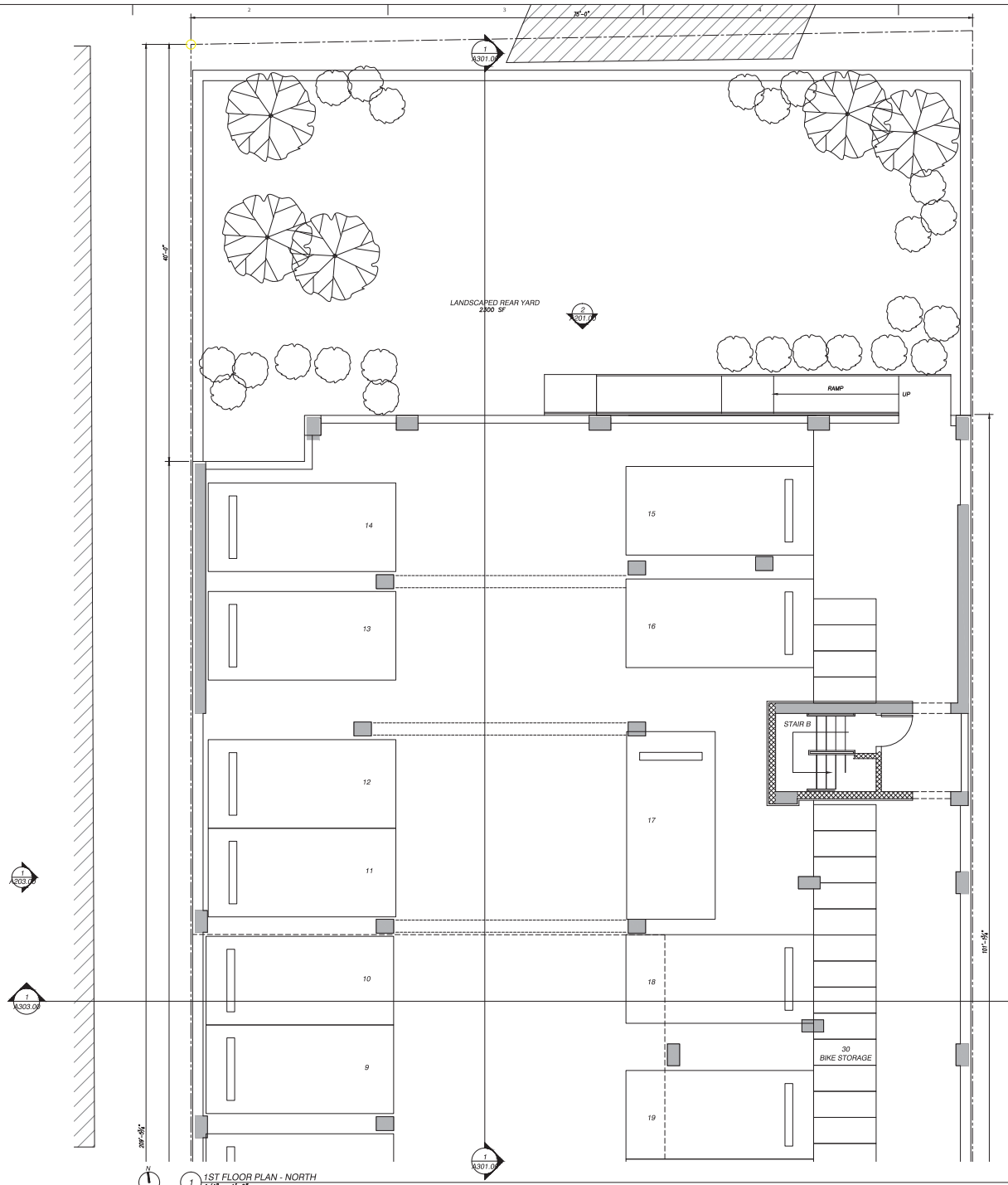

1 1ST FLOOR PLAN - NORTH
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

KEY PLAN

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
1ST FLOOR PLAN - NORTH

DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. A103.00
SHEET XX OF XX

NYC DOB NUMBER
Value

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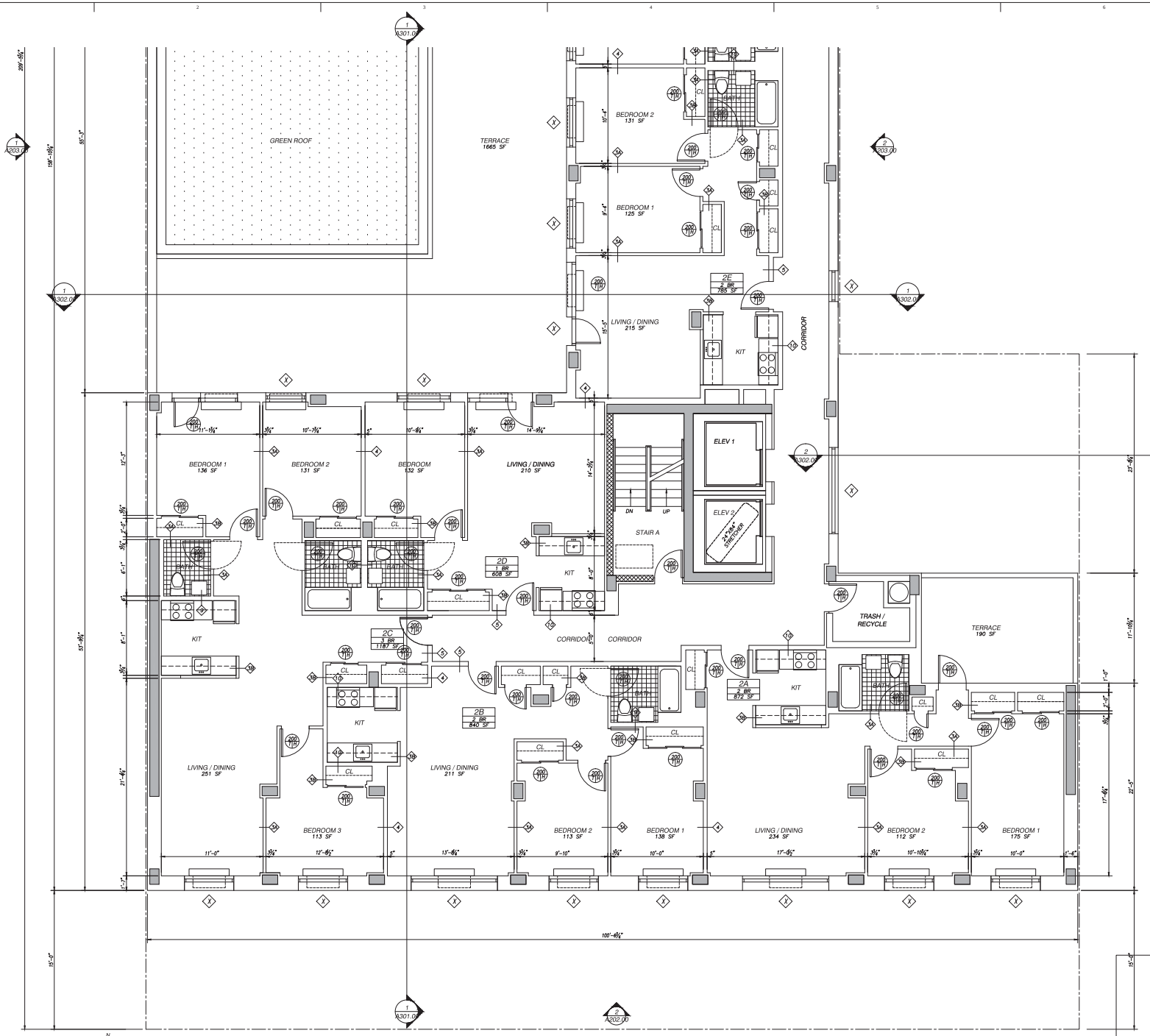

1 2ND FLOOR PLAN - SOUTH
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
2ND FLOOR PLAN - SOUTH

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A104.00
SHEET: XX OF XX

NYC DOB NUMBER
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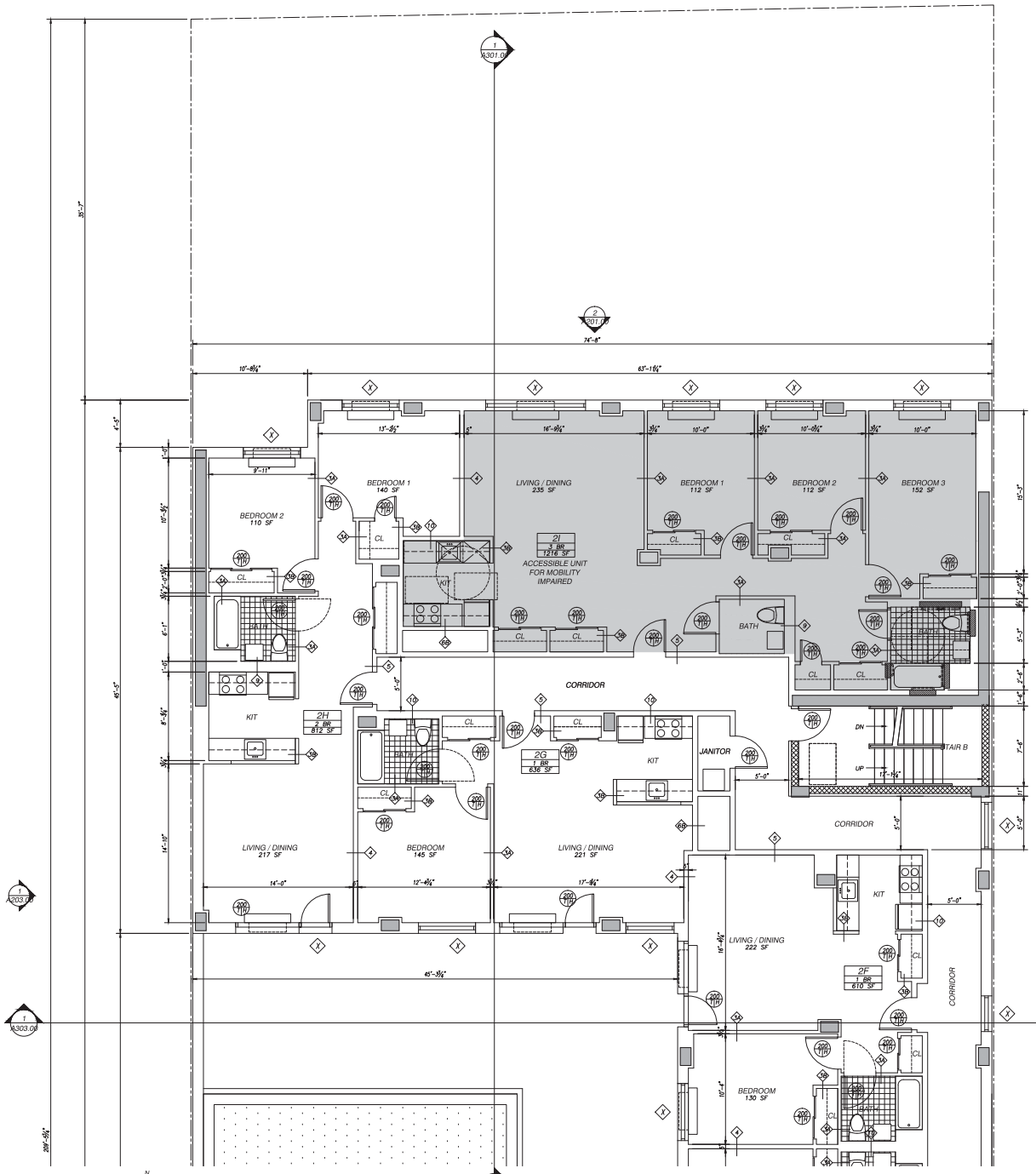

1 2ND FLOOR PLAN - NORTH
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

KEY PLAN

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
2ND FLOOR PLAN - NORTH

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A105.00
SHEET: XX OF XX

NYC DOB NUMBER
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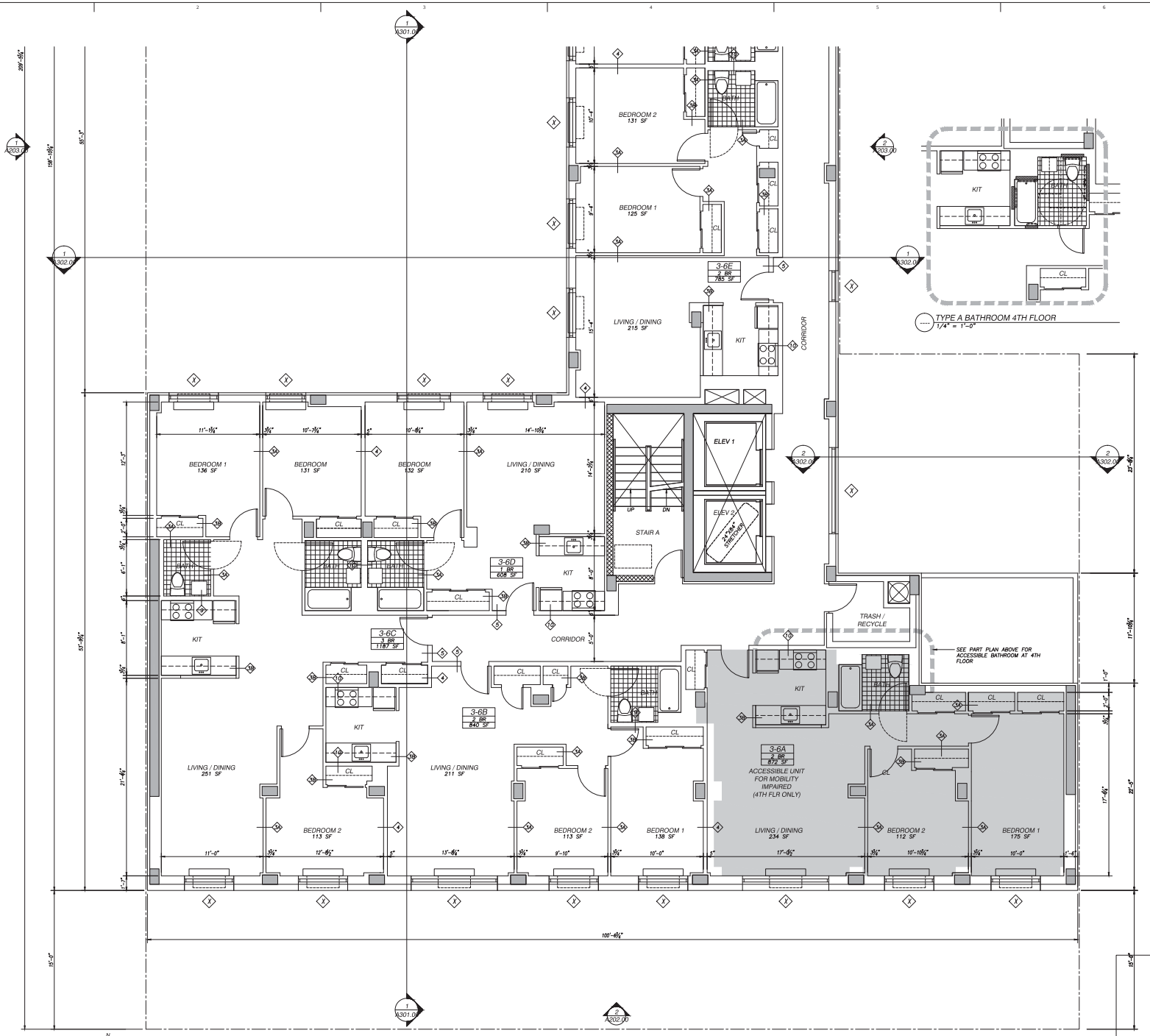

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
3RD-6TH FLOOR PLAN - SOUTH

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A106.00
SHEET: XX OF XX

NYC DOB NUMBER
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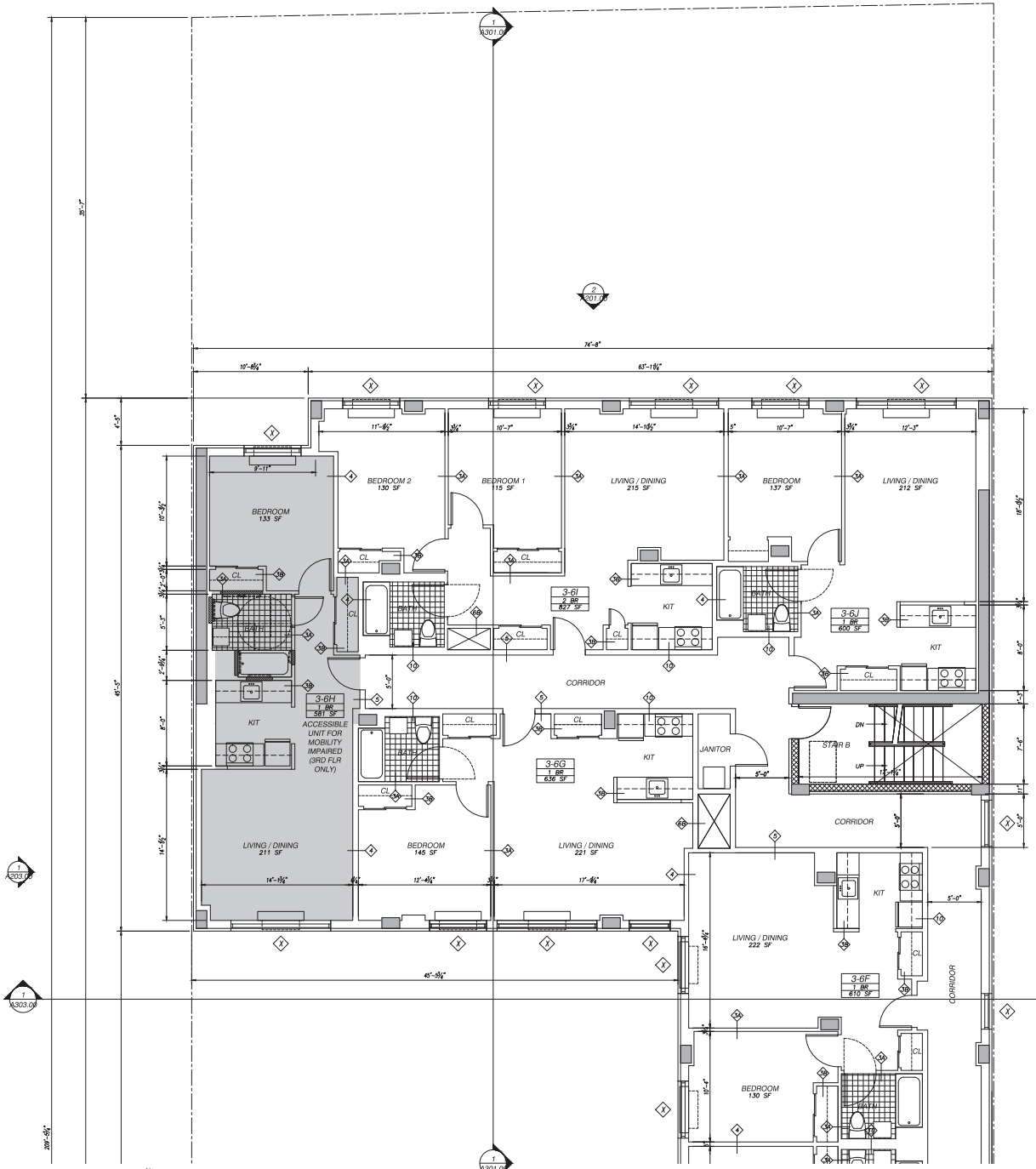

1 3RD-6TH FLOOR PLAN - NORTH
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-961-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MORIZZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
3RD-6TH FLOOR PLAN - NORTH

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A107.00
SHEET: XX OF XX

NYC DOB NUMBER
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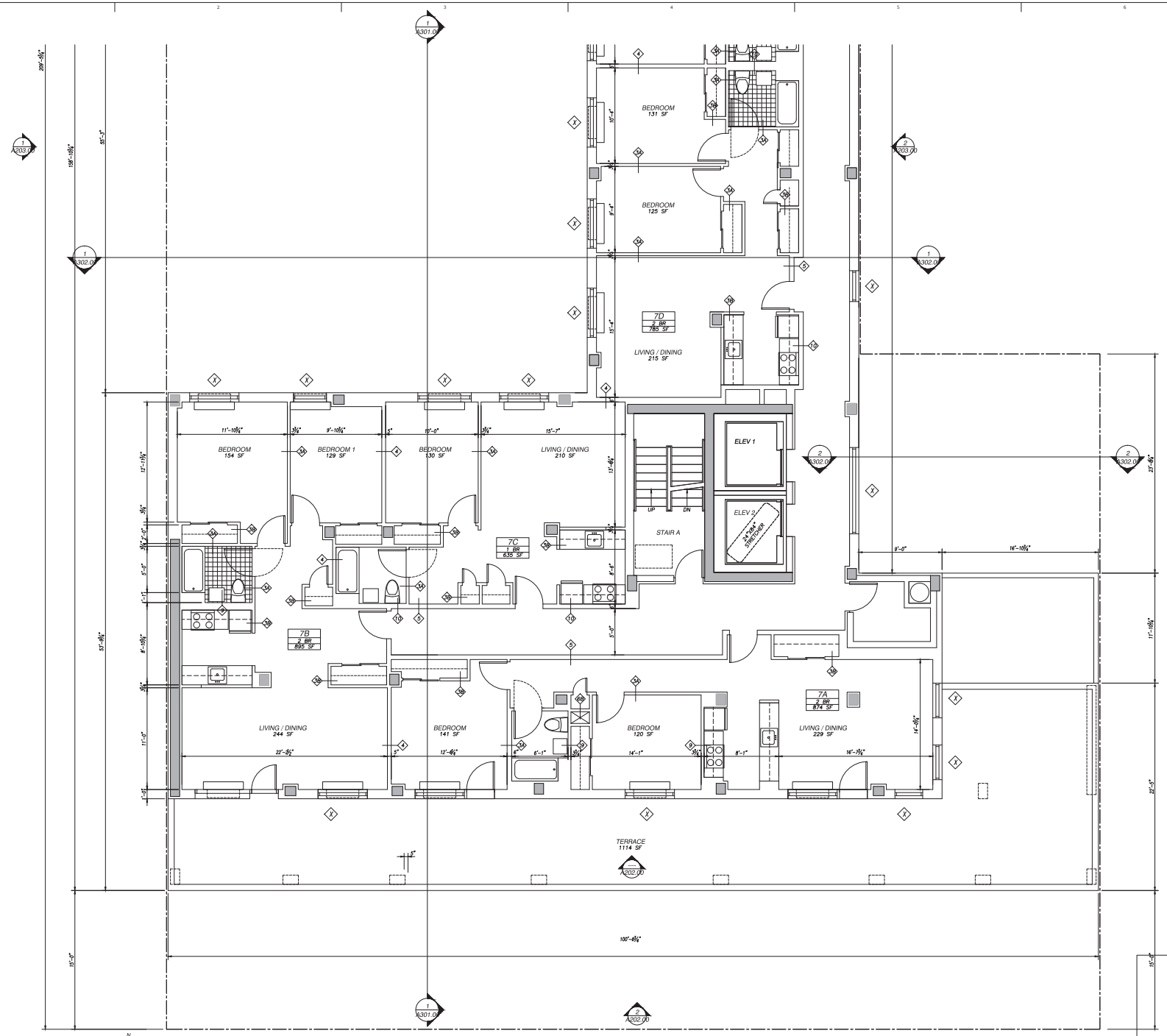

1 7TH FLOOR PLAN - SOUTH
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	REMARK
10.28.2015	1	DESIGN DEVELOPMENT SET

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
7TH FLOOR PLAN - SOUTH

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A108.00
SHEET: XX OF XX

NYC DOB NUMBER
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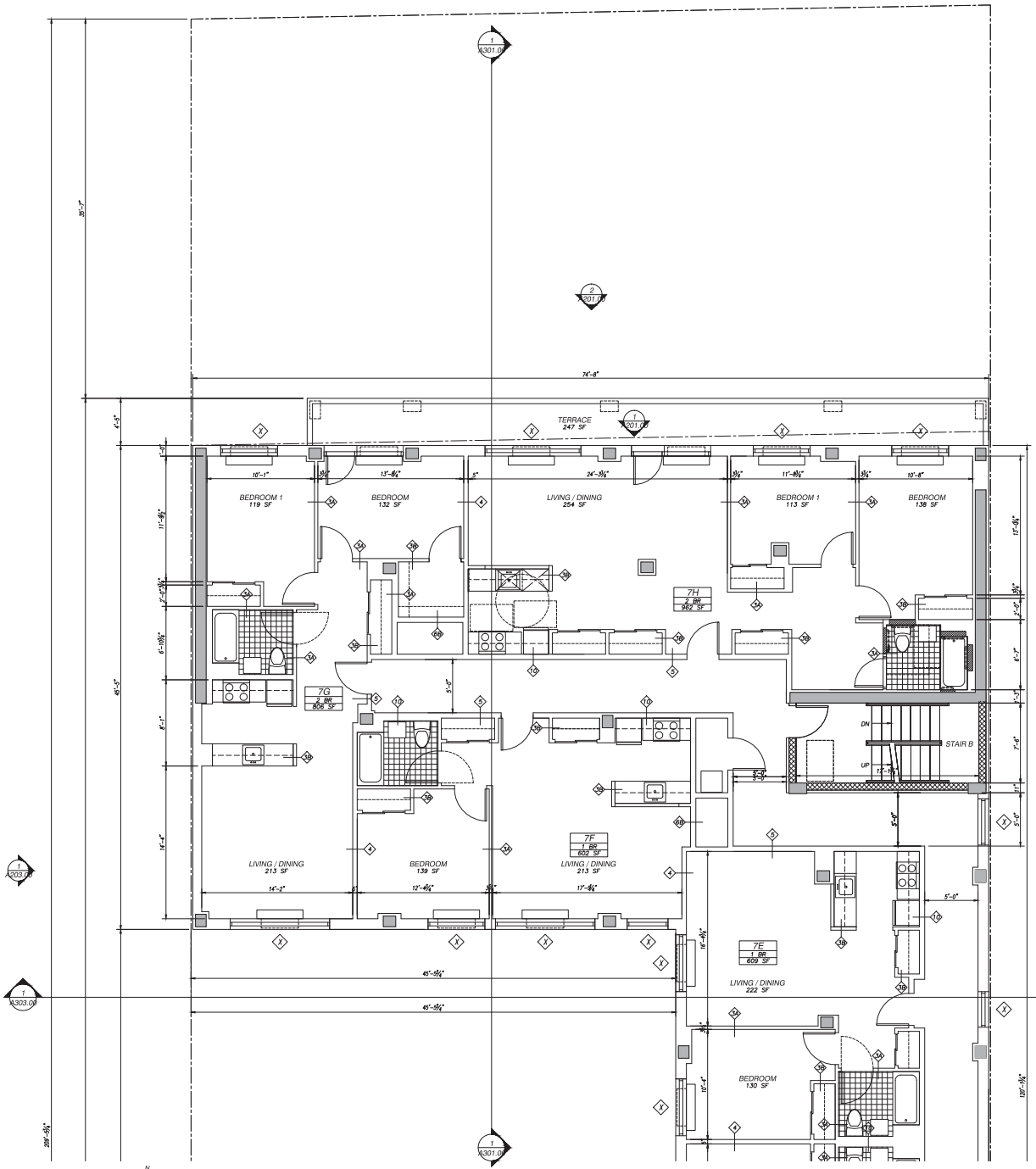

1 7TH FLOOR PLAN - NORTH
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

KEY PLAN

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
7TH FLOOR PLAN - NORTH

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A109.00
SHEET: XX OF XX

NYC DOB NUMBER
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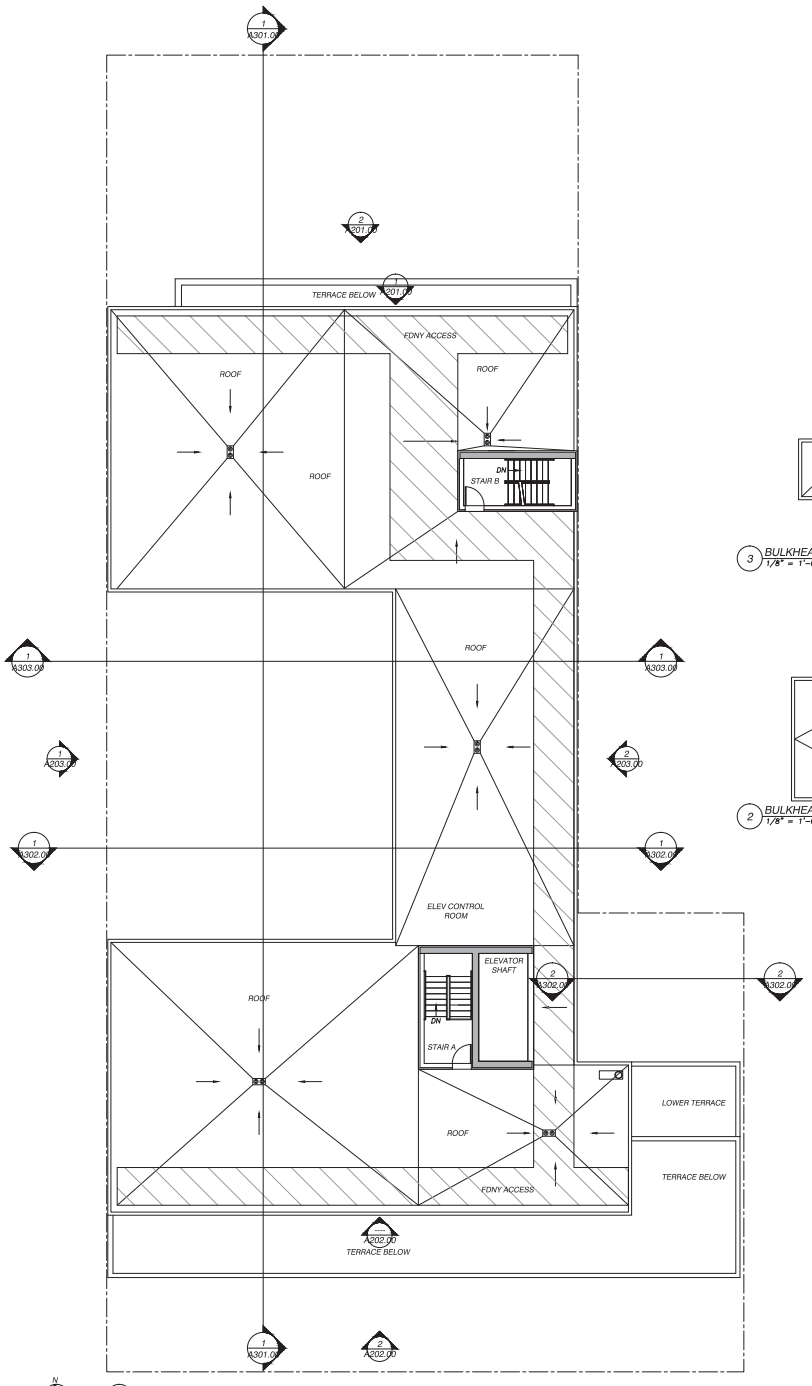
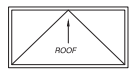
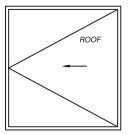


1 ROOF PLAN
1/8" = 1'-0"



3 BULKHEAD ROOF PLAN - STAIR A
1/8" = 1'-0"



2 BULKHEAD ROOF PLAN - STAIR B
1/8" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

KEY PLAN

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
ROOF & HIGH ROOF PLANS

DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. A110.00
SHEET XX OF XX

NYC DOB NUMBER
Value

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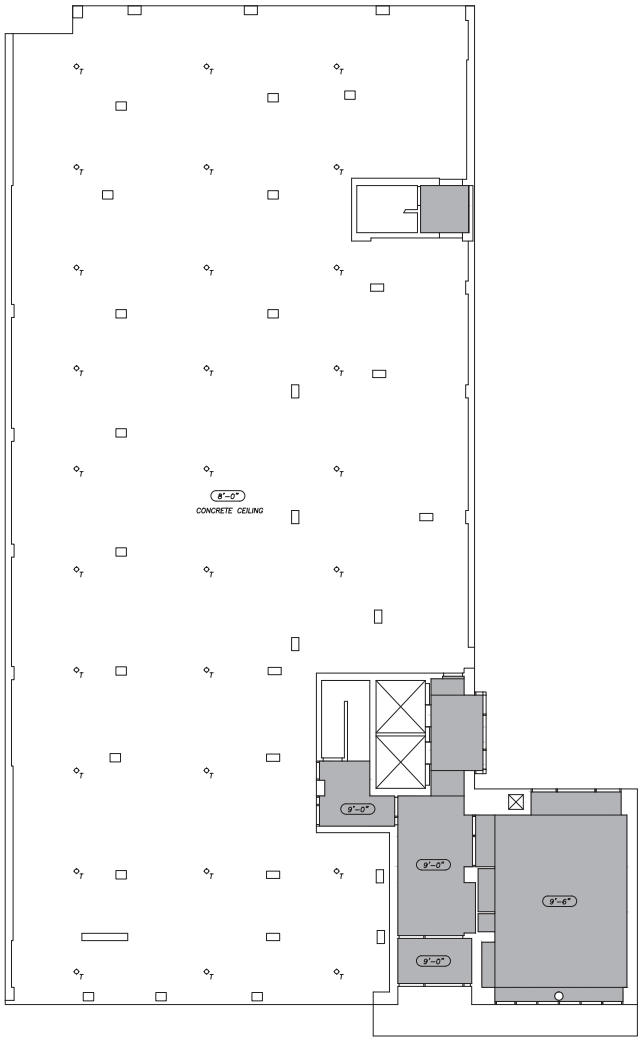
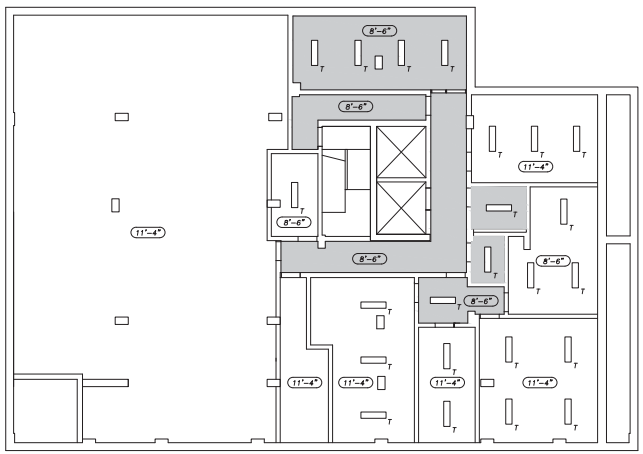


2 1ST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



1 CELLAR REFLECTED CEILING PLAN
1/8" = 1'-0"

REFLECTED CEILING LEGEND

- AREA OF KADEX CEILING
- AREA OF GYPSUM BOARD CEILING @ 8'-0" U.O.N.
- SURFACE MOUNTED CEILING FIXTURE
- SURFACE MOUNTED CEILING FIXTURE WITH FAN
- RECESSED CEILING FIXTURE
- FLUORESCENT LIGHT FIXTURE
- EXHAUST FAN
- SMOKE DETECTOR & CARBON MONOXIDE ALARM
- CEILING HEIGHT ABOVE FINISH FLOOR

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	REMARK
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	REMARK

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-991-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

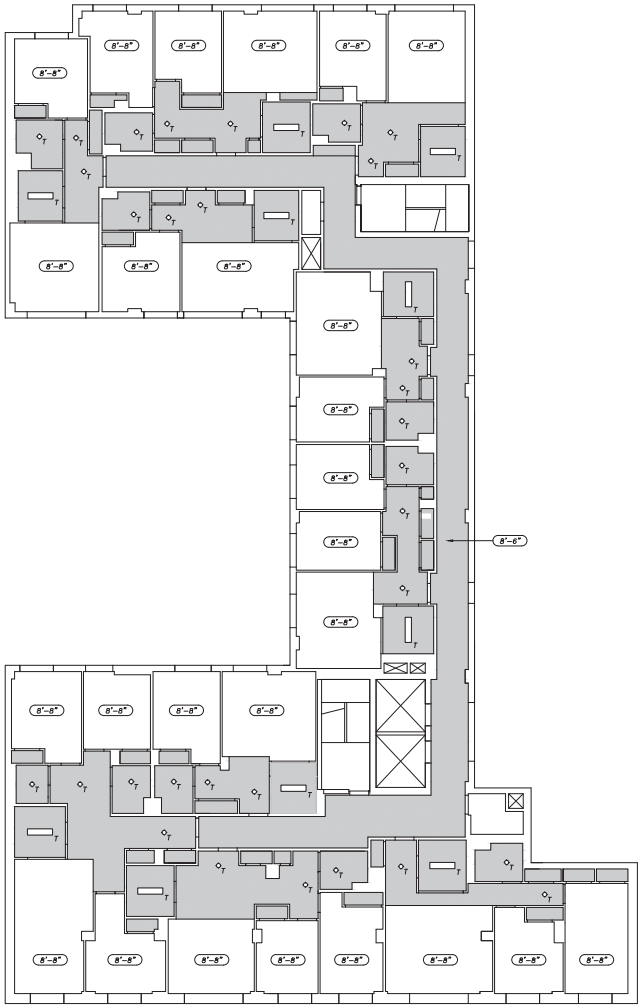
STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

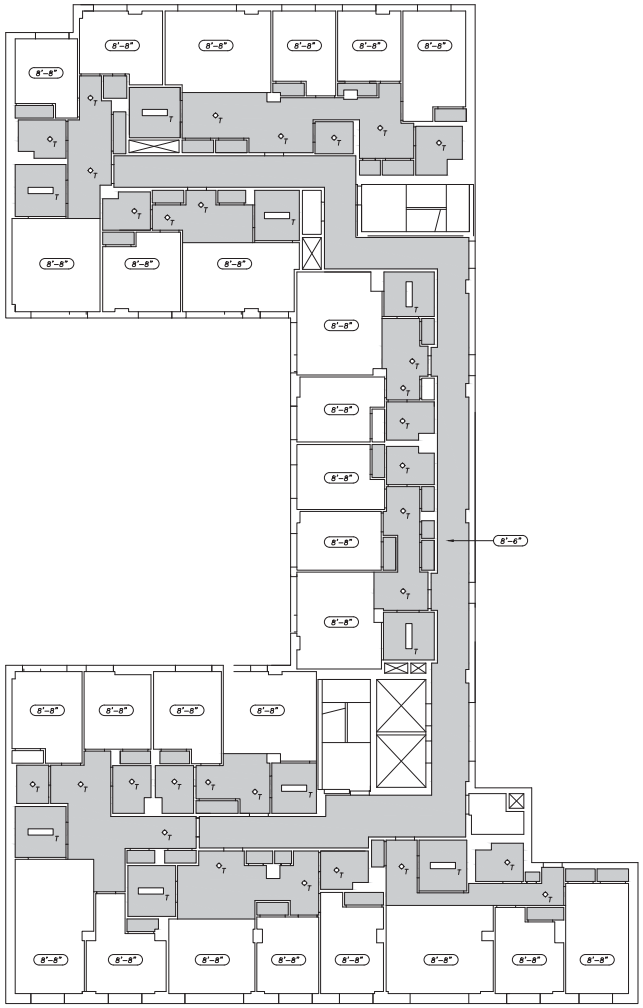
DRAWING TITLE
CELLAR-1ST FLOOR REFLECTED CEILING PLANS

DATE: X
PROJ NO.: 15010
SCALE:
DRG NO.: A111.00
SHEET: XX OF XX

NYC DOB NUMBER
Value



2 3RD-6TH FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



1 2ND FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESCR.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

REFLECTED CEILING LEGEND

- AREA OF KADEX CEILING
- AREA OF GYPSUM BOARD CEILING @ 8'-0" U.O.N.
- T — SURFACE MOUNTED CEILING FIXTURE
- T F — SURFACE MOUNTED CEILING FIXTURE WITH FAN
- T T — RECESSED CEILING FIXTURE
- T — FLUORESCENT LIGHT FIXTURE
- EX — EXHAUST FAN
- S — SMOKE DETECTOR & CARBON MONOXIDE ALARM
- CEILING HEIGHT ABOVE FINISH FLOOR

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-991-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

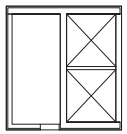
MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
2ND-6TH FLOOR REFLECTED CEILING PLANS

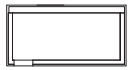
DATE: X
PROJ NO.: 15010
SCALE:
DWG NO.: A112.00
SHEET: XX OF XX

NYC DOB NUMBER
Value

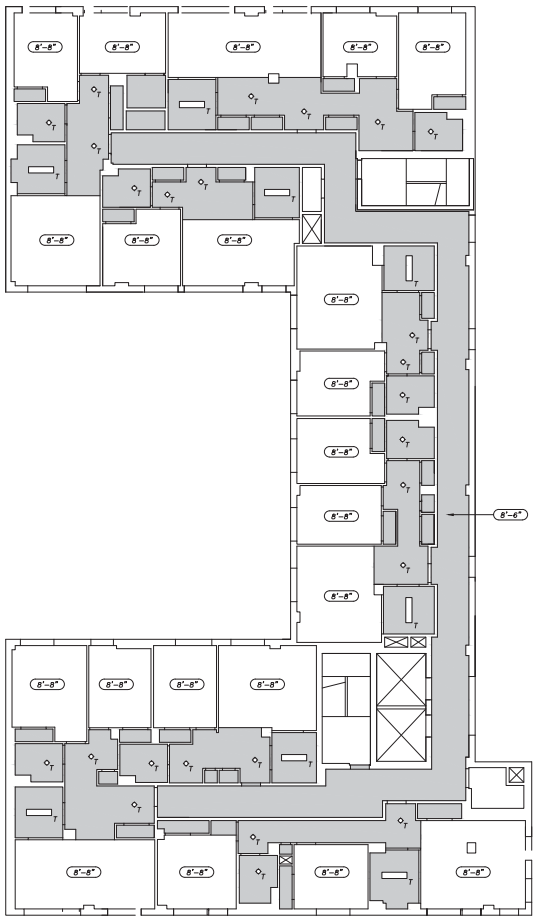
10/28/2015 3:04:53 PM g:\joak\2015\15010 sydney house\drawings\condocs\sheets\a112.00 2nd-6th floor reflected ceiling plans.dwg



2 ROOF LEVEL REFLECTED CEILING PLAN @ STAIR A
1/8" = 1'-0"



3 ROOF LEVEL REFLECTED CEILING PLAN @ STAIR B
1/8" = 1'-0"



1 7TH FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

N

REFLECTED CEILING LEGEND

- AREA OF KADEX CEILING
- AREA OF GYPSUM BOARD CEILING @ 8'-0" U.O.N.
- SURFACE MOUNTED CEILING FIXTURE
- SURFACE MOUNTED CEILING FIXTURE WITH FAN
- RECESSED CEILING FIXTURE
- FLUORESCENT LIGHT FIXTURE
- EXHAUST FAN
- SMOKE DETECTOR & CARBON MONOXIDE ALARM
- CEILING HEIGHT ABOVE FINISH FLOOR

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESCR.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

OWNER
ALMAT GROUP LLC
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BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-991-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
7TH FLOOR-ROOF REFLECTED CEILING PLANS

DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. A113.00
SHEET XX OF XX

NYC DOB NUMBER
Value

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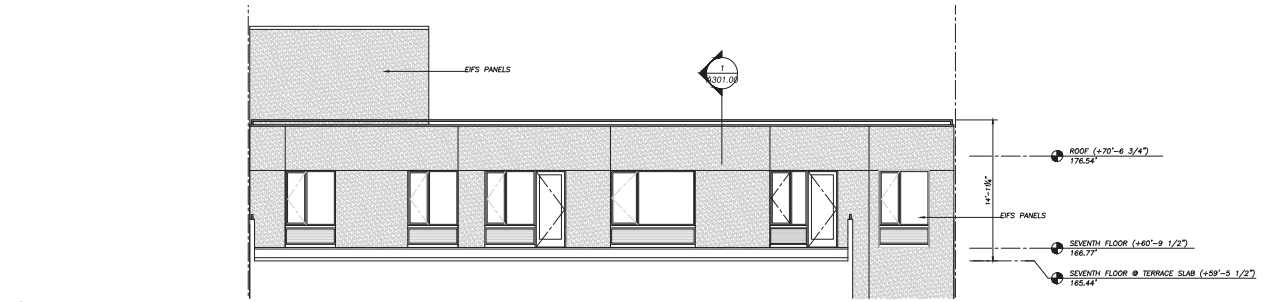
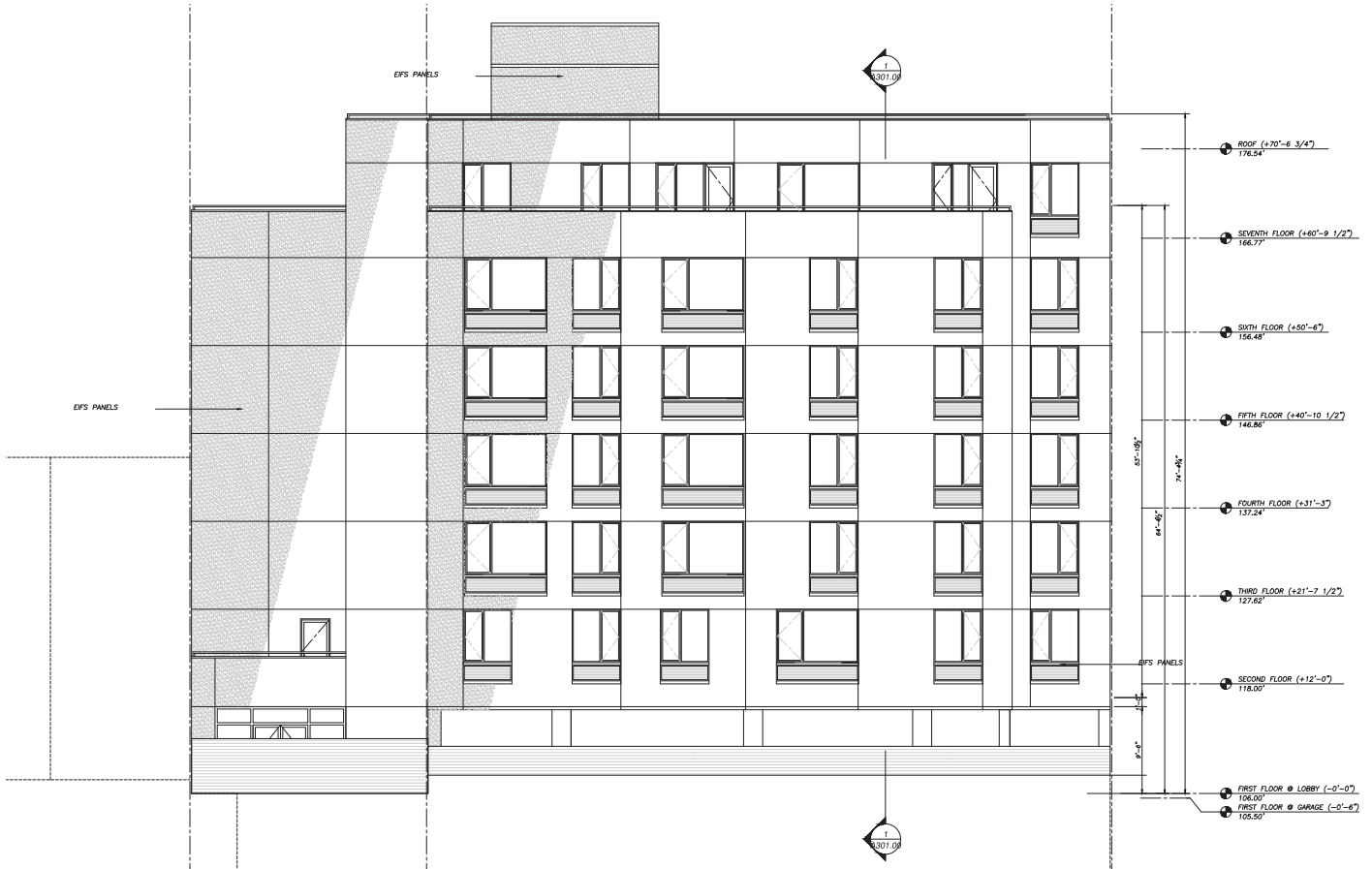


1 NORTH ELEVATION- 7TH FL TERRACE
3/16" = 1'-0"



2 NORTH ELEVATION
3/16" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	REMARK
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	REMARK

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68 JAY STREET SUITE 424
BROOKLYN, NY 11201
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111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
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BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
EXTERIOR ELEVATIONS

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A201.00
SHEET: XX OF XX

NYC DOB NUMBER
Value

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1 SOUTH ELEVATION- 7TH FL TERRACE
3/16" = 1'-0"

2 SOUTH ELEVATION
3/16" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.29.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

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HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
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ARCHITECT
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78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
176 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
EXTERIOR ELEVATIONS

DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. A202.00
SHEET XX OF XX

NYC DOB NUMBER
Value

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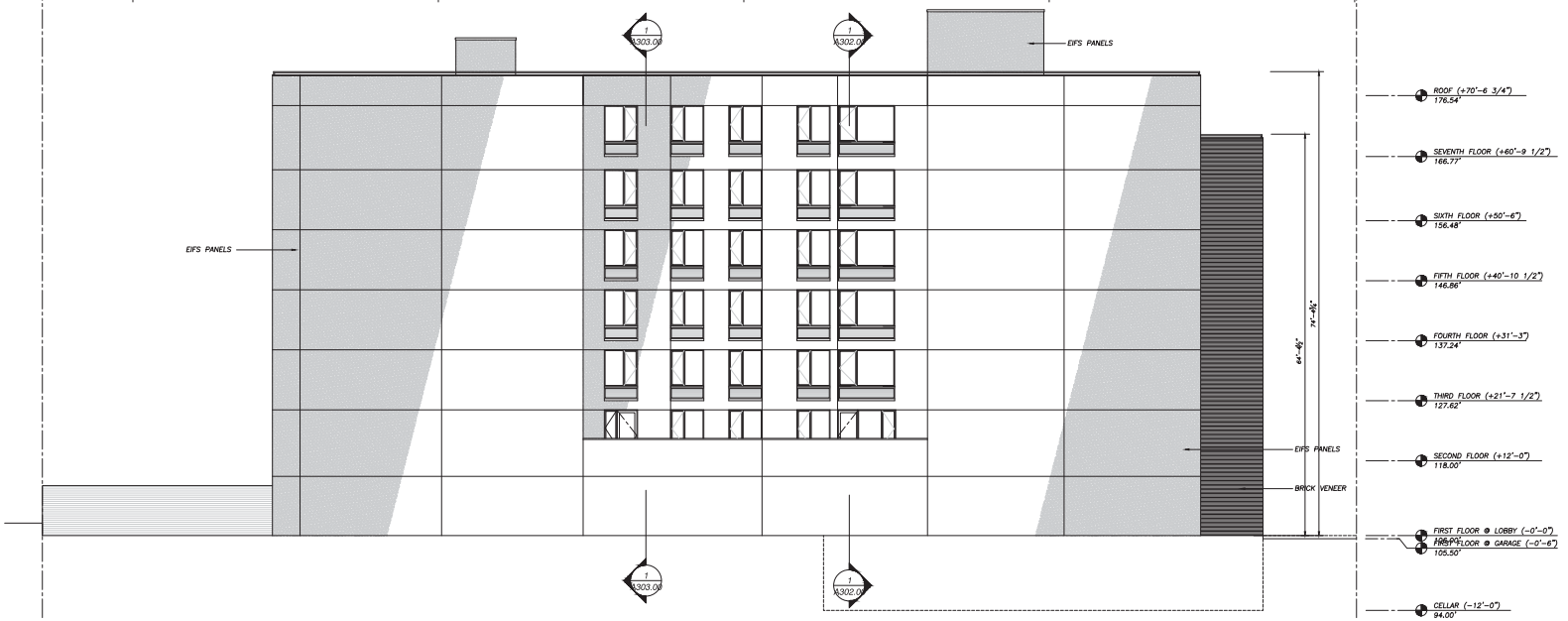
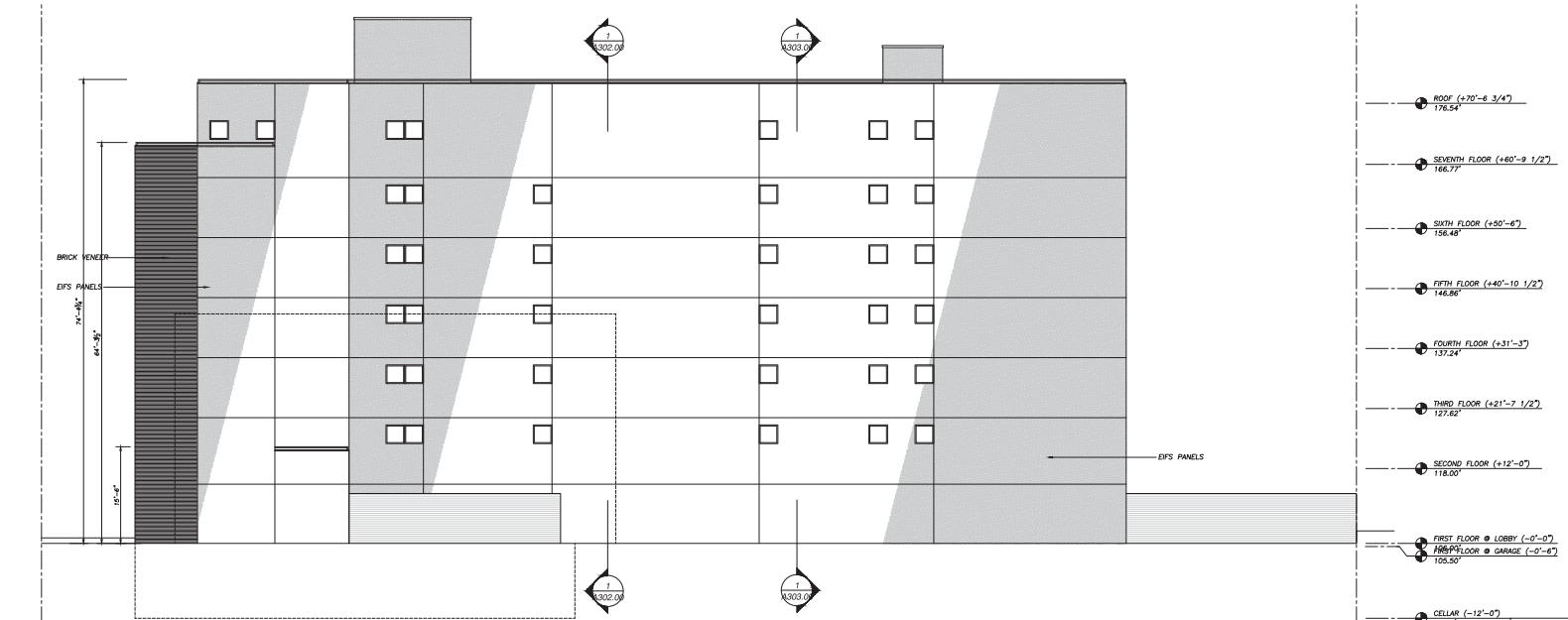


1 WEST ELEVATION
1/8" = 1'-0"



2 EAST ELEVATION
1/8" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

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HABITAT FOR HUMANITY NEW YORK CITY, INC.
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NEW YORK, NY 10038
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BROOKLYN, NY 11231
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STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
EXTERIOR ELEVATIONS

DATE:	X.X.X
PROJ NO.	15010
SCALE:	
DWG NO.	A203.00
SHEET	OF

NYC DOB NUMBER
Value

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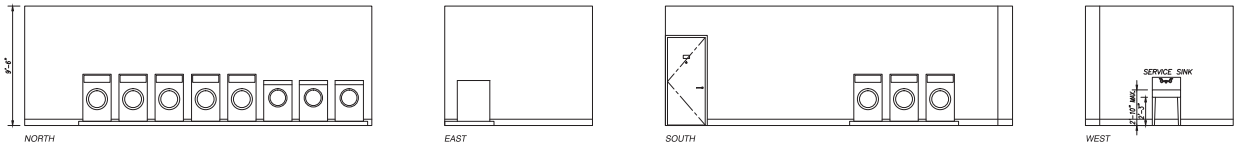
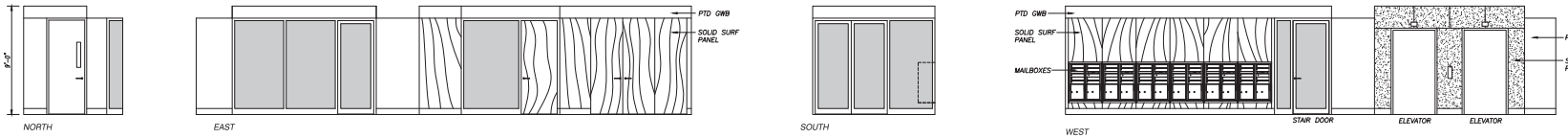
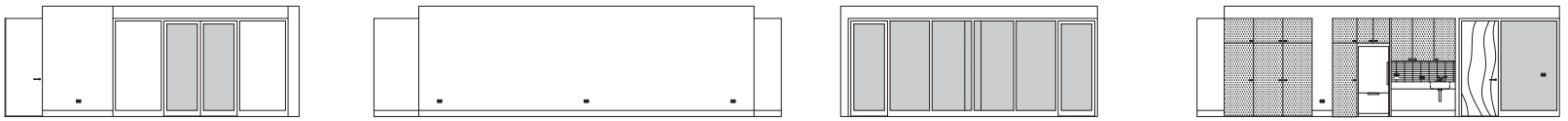


1 LAUNDRY ROOM ELEVATIONS
1/4" = 1'-0"



2 LOBBY ELEVATIONS
1/4" = 1'-0"



3 RECREATION ROOM ELEVATIONS
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	REMARK
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	MISC.

OWNER
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68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
176 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
INTERIOR ELEVATIONS - COMMON ROOMS

DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. A204.00
SHEET XX OF XX

NYC DOB NUMBER
Value

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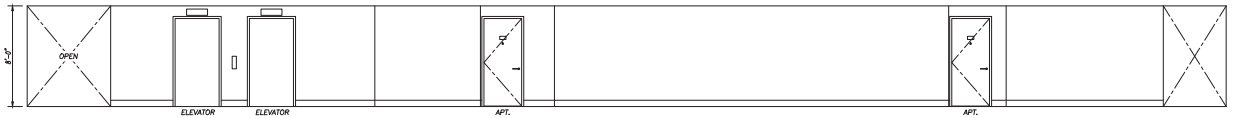
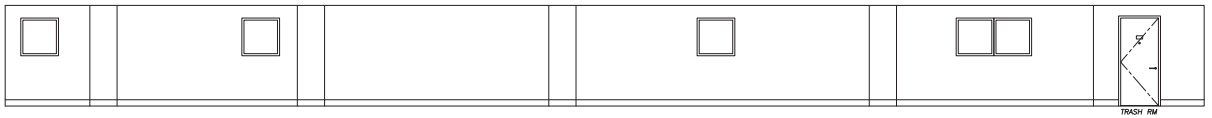
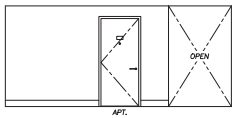


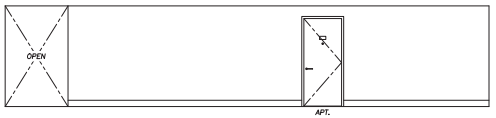
01 2ND-7TH FLOOR HALL ELEVATION - WEST
1/4" = 1'-0"



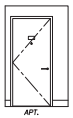
02 2ND-7TH FLOOR HALL ELEVATION - EAST
1/4" = 1'-0"



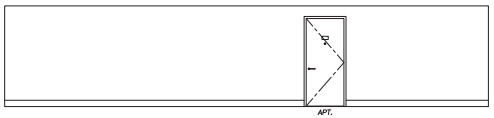
03 2ND FLR HALL - WEST
1/4" = 1'-0"



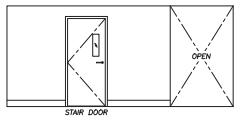
04 2ND FLR HALL - SOUTH
1/4" = 1'-0"



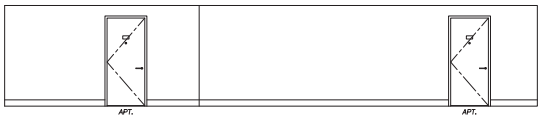
05 2ND FLR HALL - WEST
1/4" = 1'-0"



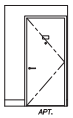
06 2ND FLR HALL - NORTH
1/4" = 1'-0"



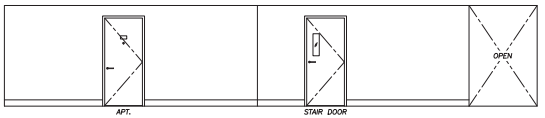
07 2ND FLR HALL - EAST
1/4" = 1'-0"



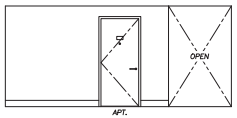
08 2ND FLR HALL - SOUTH
1/4" = 1'-0"



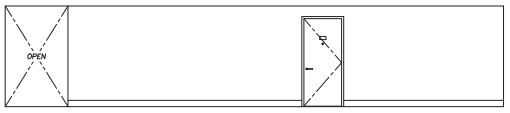
09 2ND FLR HALL - WEST
1/4" = 1'-0"



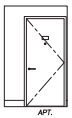
10 2ND FLR HALL - NORTH
1/4" = 1'-0"



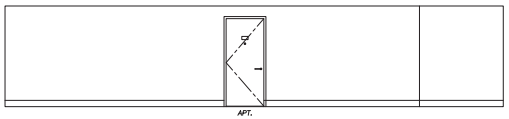
11 3RD-6TH FLR HALL ELEVATION - WEST
1/4" = 1'-0"



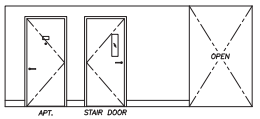
12 3RD-6TH FLR HALL ELEVATION - SOUTH
1/4" = 1'-0"



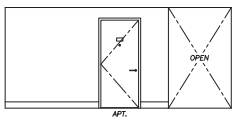
13 3RD-6TH FLR HALL ELEVATION - WEST
1/4" = 1'-0"



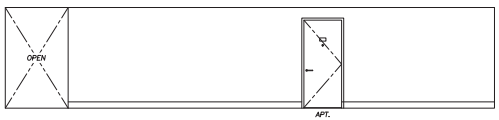
14 3RD-6TH FLR HALL ELEVATION - NORTH
1/4" = 1'-0"



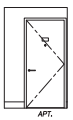
15 3RD-6TH FLR HALL ELEVATION - EAST
1/4" = 1'-0"



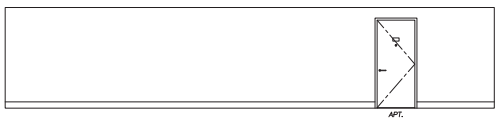
16 7TH FLR HALL ELEVATION - WEST
1/4" = 1'-0"



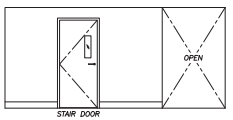
17 7TH FLR HALL ELEVATION - SOUTH
1/4" = 1'-0"



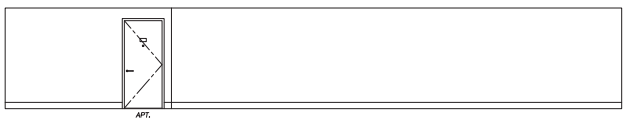
18 7TH FLR HALL ELEVATION - WEST
1/4" = 1'-0"



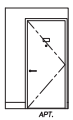
19 7TH FLR HALL ELEVATION - NORTH
1/4" = 1'-0"



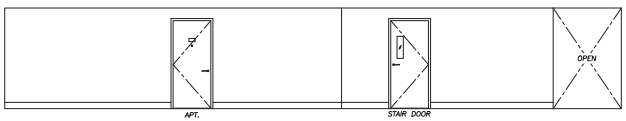
20 7TH FLR HALL ELEVATION - EAST
1/4" = 1'-0"



21 7TH FLR HALL ELEVATION - SOUTH
1/4" = 1'-0"



22 7TH FLR HALL ELEVATION - WEST
1/4" = 1'-0"



23 7TH FLR HALL ELEVATION - NORTH
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESCR.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
INTERIOR ELEVATIONS - CORRDIOR

DATE: X.X.X.
PROJ NO.: 15010
SCALE:
DWG NO.: A205.00
SHEET OF

NYC DOB NUMBER
Value

10/28/2015 3:05:05 PM g:\oak\2015\15010 sydney house\drawings\construct\sheets\a205.00 interior elevations - corridor.dwg

1 SECTION A-A
3/16" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	REMARK
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	REMARK

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
BUILDING SECTION

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A301.00
SHEET: XX OF XX

NYC DOB NUMBER
Value

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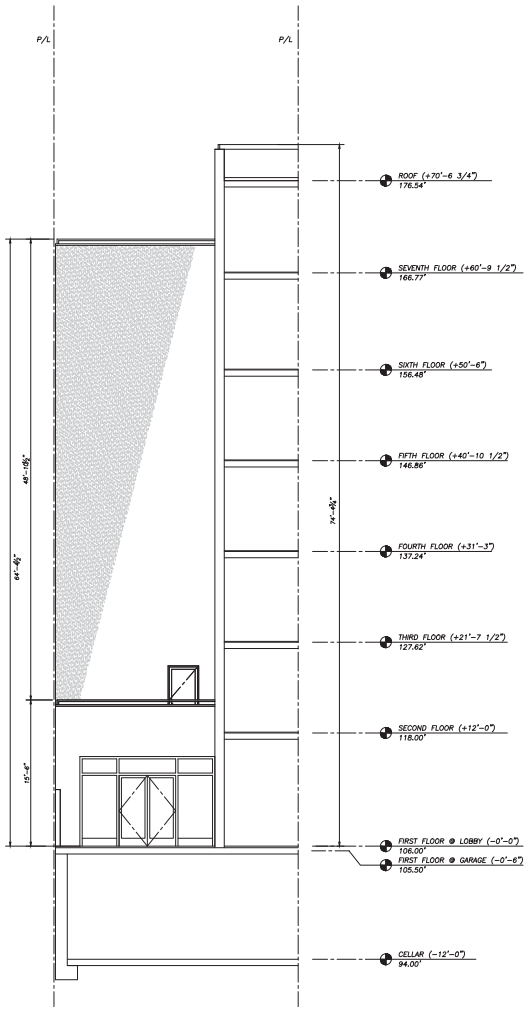
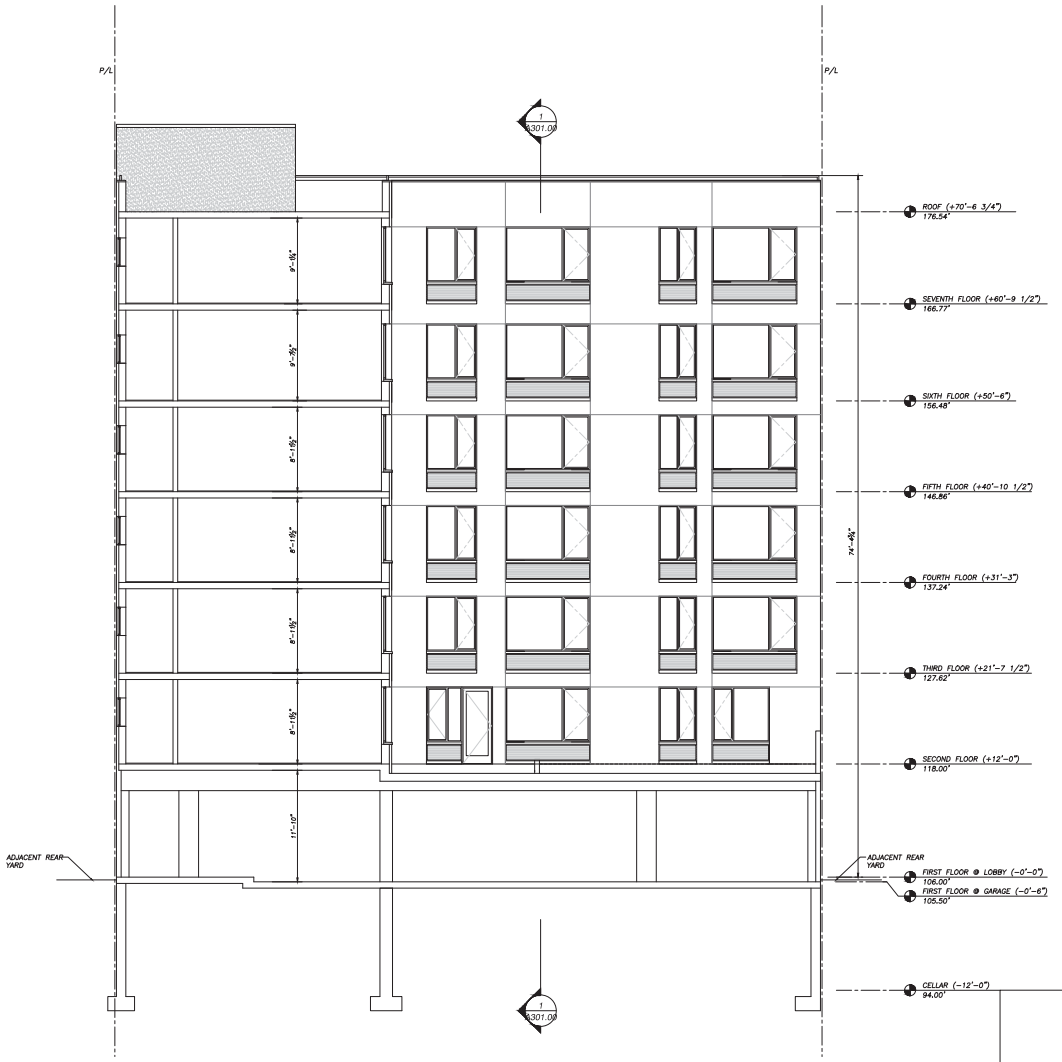


3 SECTION D-D
3/16" = 1'-0"



1 SECTION B-B
1

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-991-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

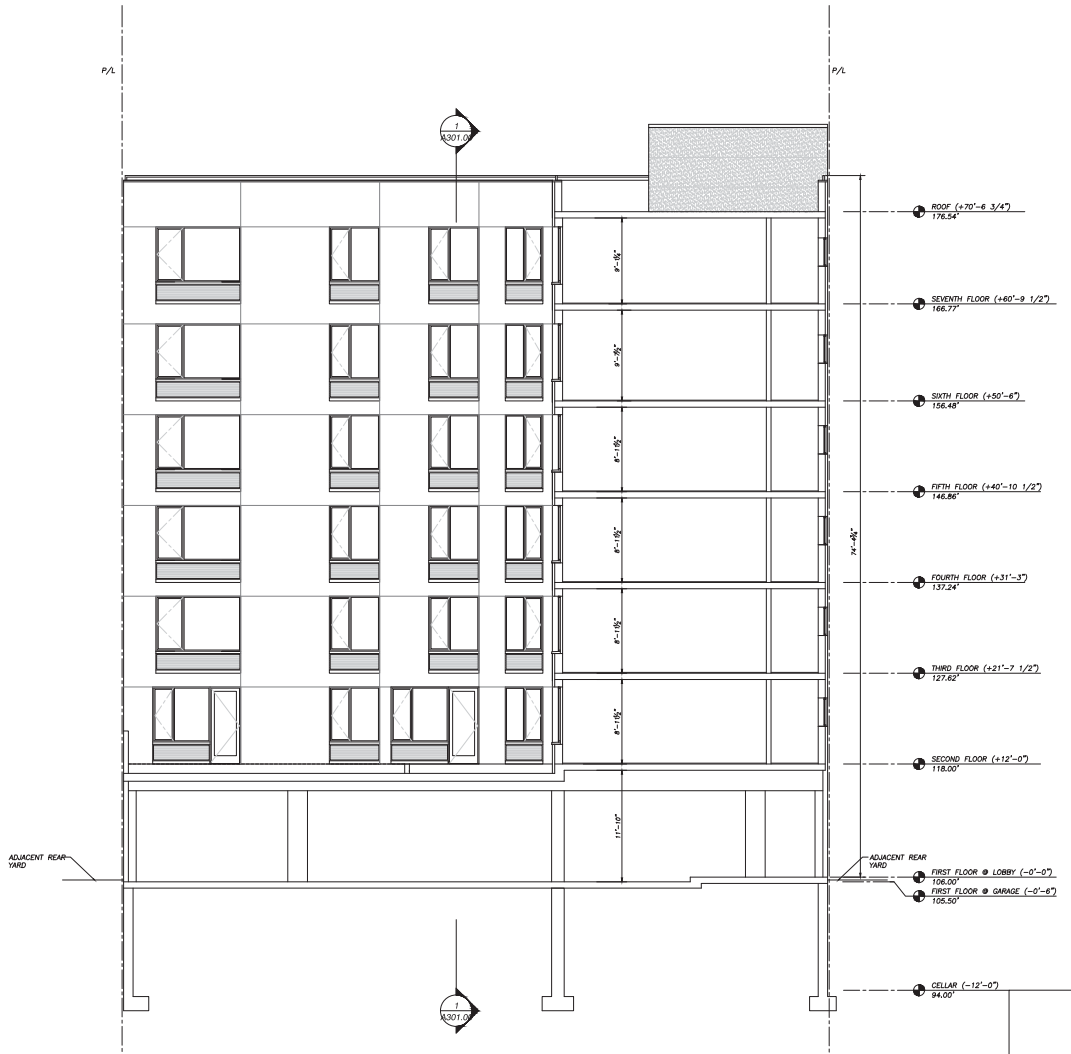
STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
BUILDING SECTION

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A302.00
SHEET: XX OF XX

NYC DOB NUMBER
Value



1 SECTION C-C
3/16" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.29.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
BUILDING SECTION

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A303.00
SHEET: XX OF XX

NYC DOB NUMBER
Value

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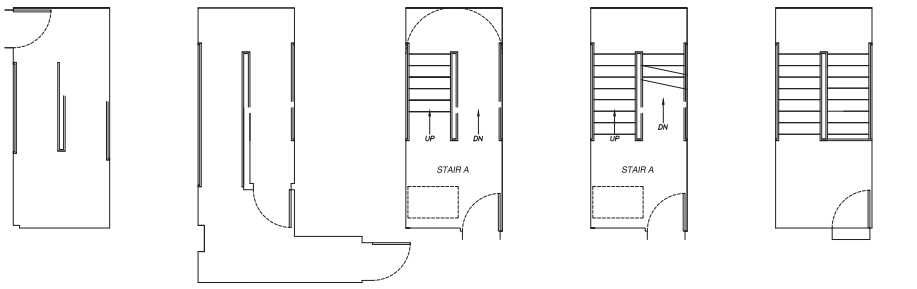
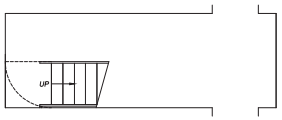
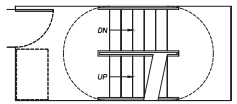


CELLAR PLAN | 1ST FLOOR - LOBBY LEVEL PLAN | 2ND-6TH FLOOR PLAN | 7TH FLOOR PLAN | 1ST FLOOR - LOBBY LEVEL PLAN

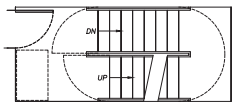
3 PLANS @ STAIR A
1/4" = 1'-0"



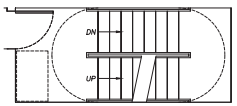
1ST FLOOR - GARAGE LEVEL PLAN



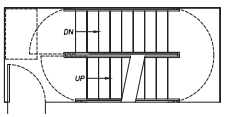
2ND FLOOR PLAN



3RD-6TH FLOOR TYP. PLAN

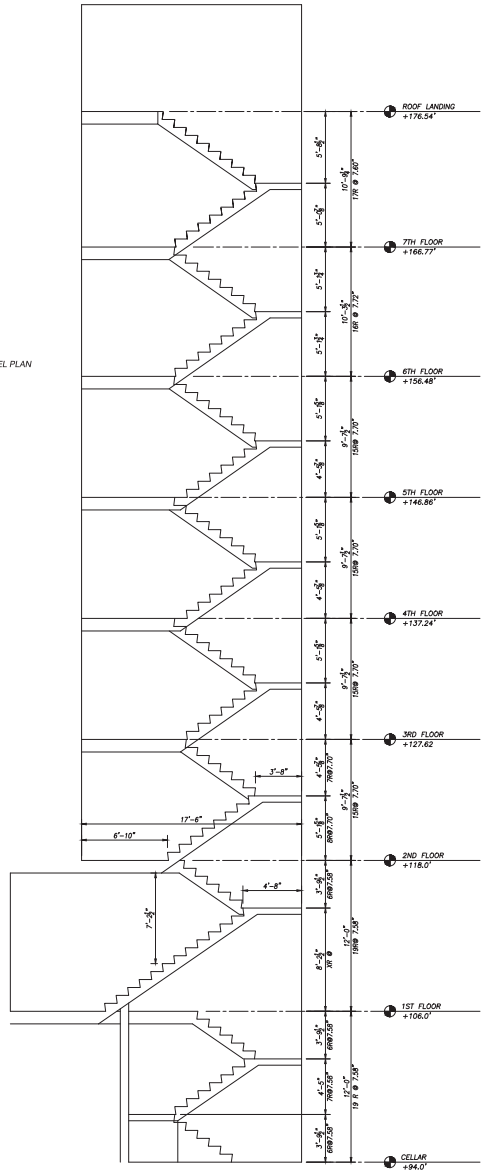


7TH FLOOR PLAN

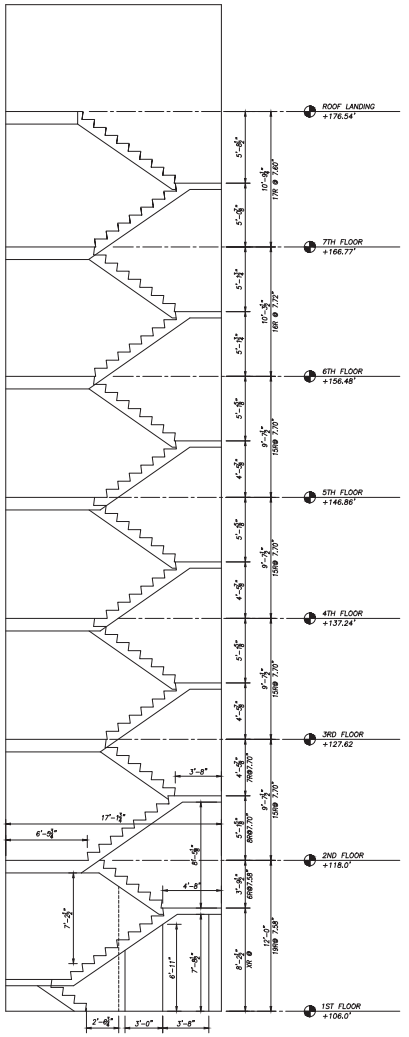


ROOF PLAN

4 PLANS @ STAIR B
1/4" = 1'-0"



2 N-S SECTION @ STAIR B
1/4" = 1'-0"



1 E-W SECTION @ STAIR A
1/4" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

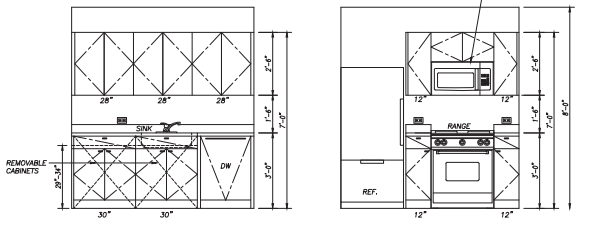
MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
STAIR DETAILS

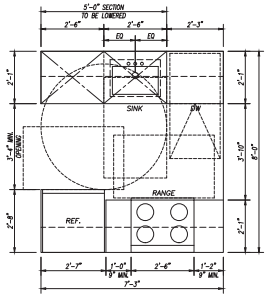
DATE: -----
PROJ NO. 15010
SCALE:
DWG NO. A401.00
SHEET XX OF XX

NYC DOB NUMBER
Value

10/28/2015 3:25:40 PM g:\jobs\2015\15010 sydney house\drawings\construct\sheets\a401.00 stair details.dwg

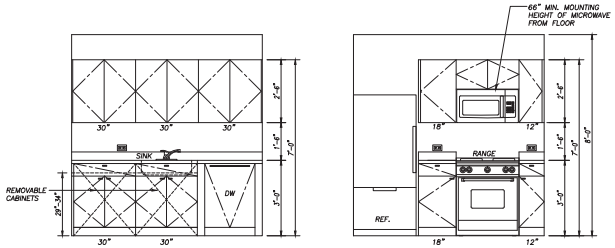


2 INTERIOR ELEVATIONS - KITCHEN TYPE A
1/2" = 1'-0"

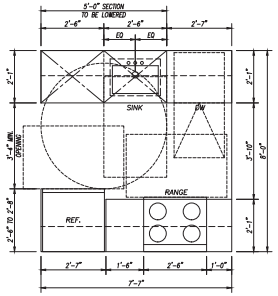


ADAPTABLE KITCHEN TYPE A – 1 BEDROOM APT.

1 ENLARGED FLOOR PLAN - KITCHEN TYPE A
1/2" = 1'-0"

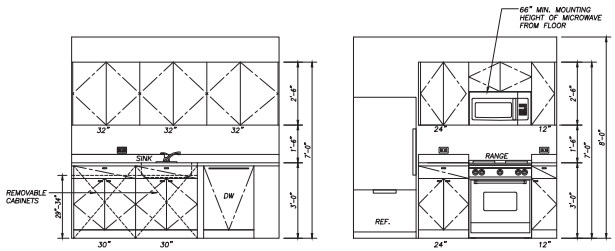


4 INTERIOR ELEVATIONS - KITCHEN TYPE B
1/2" = 1'-0"

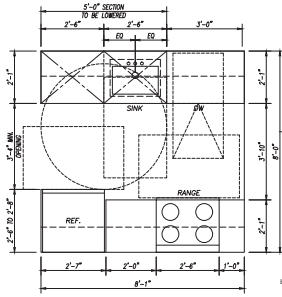


ADAPTABLE KITCHEN TYPE B – 2 BEDROOM APT.

3 ENLARGED FLOOR PLAN - KITCHEN TYPE B
1/2" = 1'-0"



6 INTERIOR ELEVATIONS - KITCHEN TYPE C
1/2" = 1'-0"



ADAPTABLE KITCHEN TYPE C – 3 BEDROOM APT.

5 ENLARGED FLOOR PLAN - KITCHEN TYPE C
1/2" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	REMARKS
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	MISC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
ENLARGED PLANS & ELEVATIONS - KITCHENS

DATE: X
PROJ NO.: 15010
SCALE:
DRG NO.: A402.00
SHEET: XX OF XX

NYC DOB NUMBER
Value

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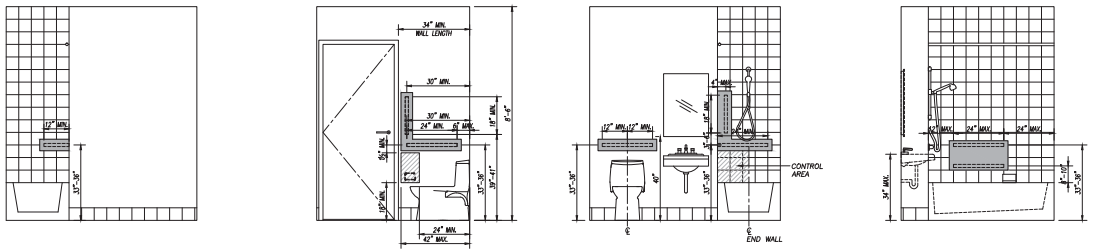
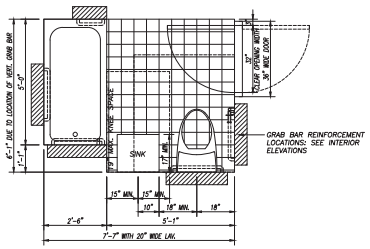
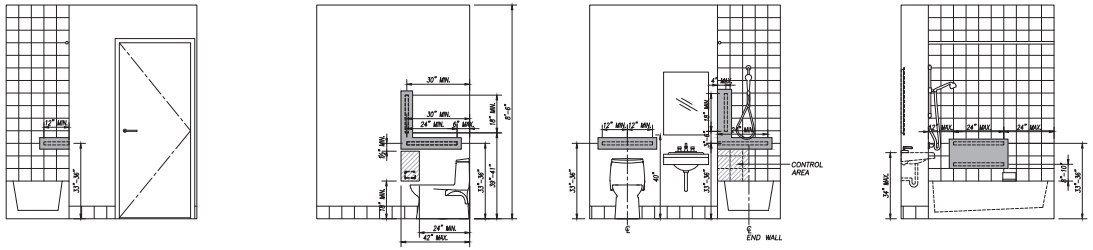


2 INTERIOR ELEVATIONS- TYPE B BATHROOM
1/2" = 1'-0"



1 ENLARGED FLOOR PLAN - TYPE B BATHROOM
1/2" = 1'-0"



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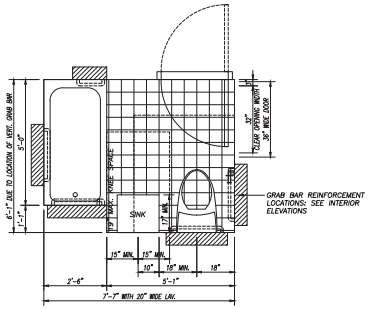

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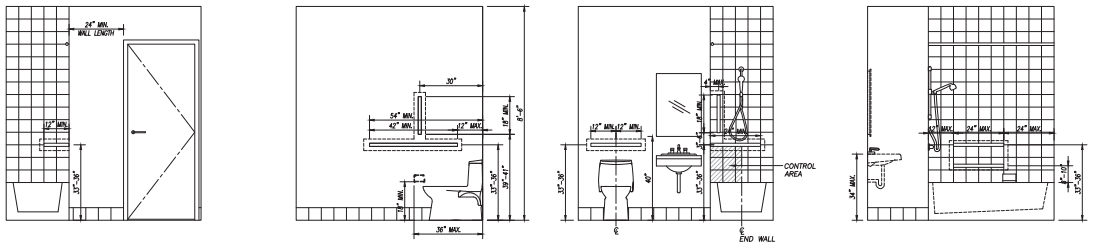

6 INTERIOR ELEVATIONS- TYPE A BATHROOM
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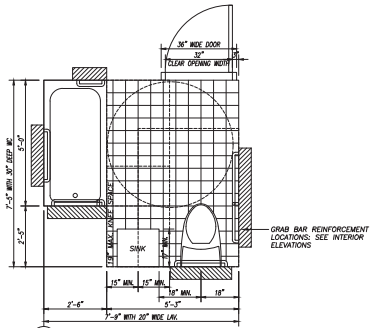
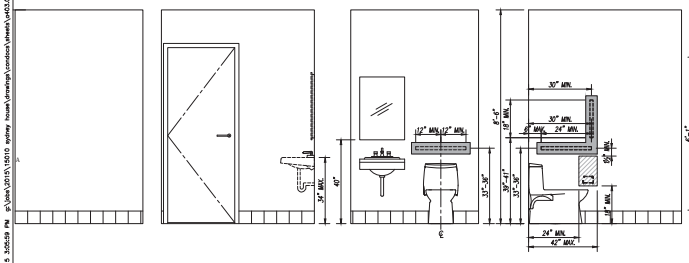
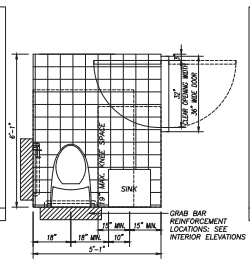


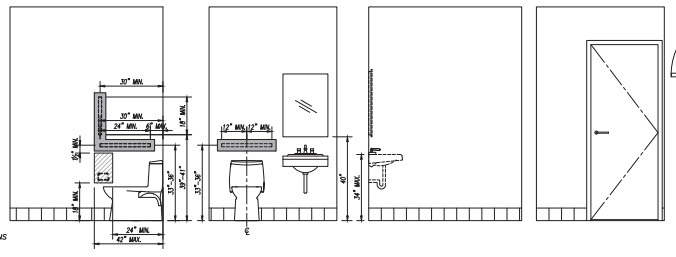
5 ENLARGED FLOOR PLAN - TYPE A BATHROOM
1/2" = 1'-0"



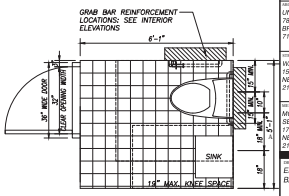
10 INTERIOR ELEVATIONS - TYPE 1 POWDER ROOM
1/2" = 1'-0"



9 ENLARGED FLOOR PLAN - TYPE 1 POWDER ROOM
1/2" = 1'-0"



8 INTERIOR ELEVATIONS - TYPE 2 POWDER ROOM
1/2" = 1'-0"



7 ENLARGED FLOOR PLAN - TYPE 2 POWDER ROOM
1/2" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	MISC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	MISC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
ENLARGED PLANS & ELEVATIONS - BATHS

DATE:	-----
PROJ NO.	15010
SCALE:	
DWG NO.	A403.00
SHEET	OF

NYC DOB NUMBER
Value

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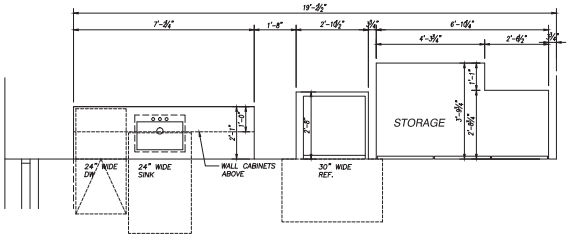
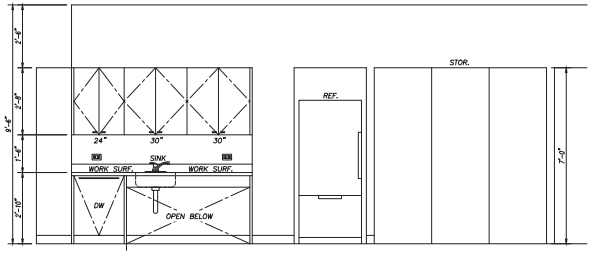


1 ENLARGED FLOOR PLAN - PANTRY @ RECREATION ROOM
1/2" = 1'-0"



2 INTERIOR ELEVATION - PANTRY @ RECREATION ROOM
1/2" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESCR.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	MISC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-961-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

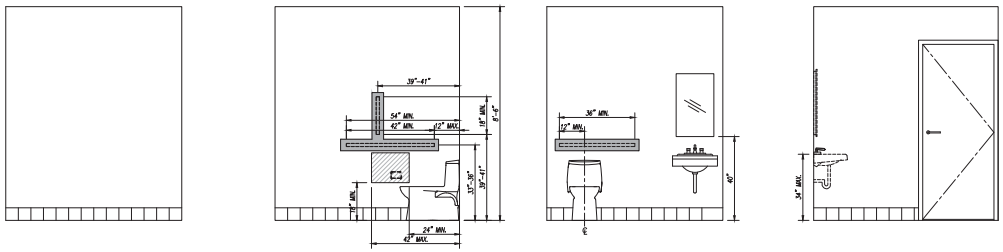
MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
ENLARGED PLAN & ELEVATION - PANTRY

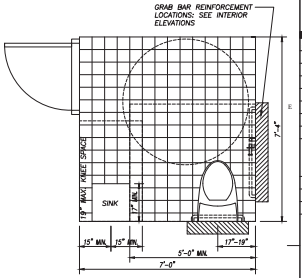
DATE:	-----
PROJ NO.	15010
SCALE:	
DWG NO.	A404.00
SHEET	OF

NYC DOB NUMBER
Value

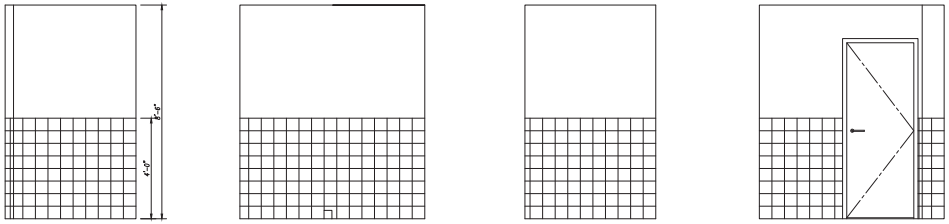
10/28/2015 3:06:06 PM g:\joak\2015\15010 sydney house\drawings\condocs\sheets\a404.00 enlarged plan & elevation - pantry.dwg



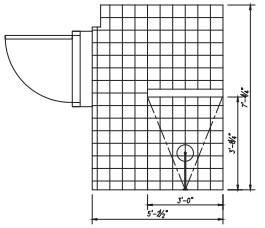
2 INTERIOR ELEVATIONS - CELLAR TOILET
1/2" = 1'-0"



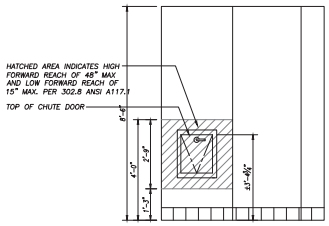
1 ENLARGED FLOOR PLAN - CELLAR TOILET
1/2" = 1'-0"



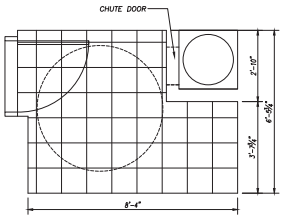
4 INTERIOR ELEVATIONS - JANITOR'S ROOM @ CELLAR
1/2" = 1'-0"



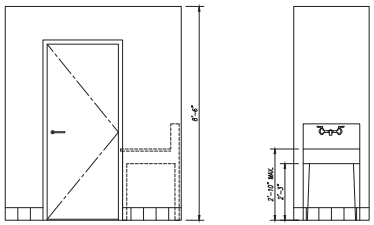
3 ENLARGED FLOOR PLAN - JANITOR'S RM @ CELLAR
1/2" = 1'-0"



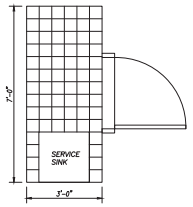
8 INTERIOR ELEVATIONS - TYP. TRASH CHUTE @ 2ND-7TH FLRS
1/2" = 1'-0"



7 TYP. TRASH ROOM
1/2" = 1'-0"



6 INTERIOR ELEVATIONS - TYP. JANITOR'S CL @ 2ND-7TH FLRS
1/2" = 1'-0"



5 ENLARGED FLOOR PLAN - TYP. JANITOR'S CLOSET
1/2" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

XX XX

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-991-4000

ARCHITECT
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MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
ENLARGED PLANS & ELEVATIONS - JANITOR'S RM; TRASH RM

DATE:	X
PROJ NO.	15010
SCALE:	
DWG NO.	A405.00
SHEET	XX OF XX

NYC DOB NUMBER
Value

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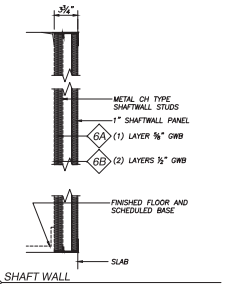
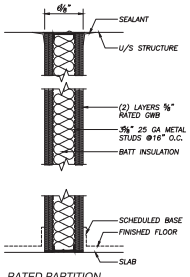
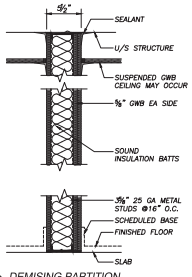


6A SHAFT WALL
1 HR RATED– UL U415

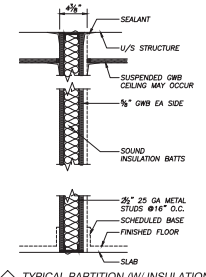
6B SHAFT WALL
2 HR RATED– UL U415



5 RATED PARTITION
STC = 55
2 HR RATED– UL U419

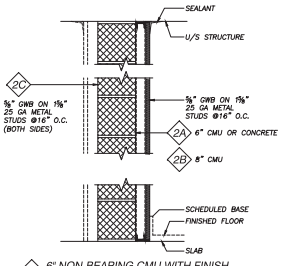


4 DEMISING PARTITION
1 HR RATED



3A TYPICAL PARTITION (W/ INSULATION)
STC = 45

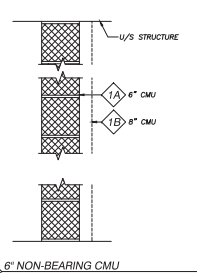
3B TYPICAL PARTITION (W/O INSULATION)
STC = 50



2A 6" NON-BEARING CMU WITH FINISH
2 HR RATED– UL U906

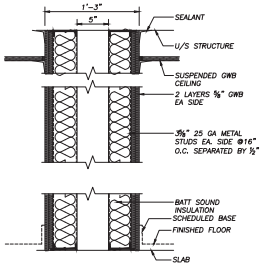
2B 8" NON-BEARING CMU WITH FINISH
3 HR RATED– UL U904

2C 6" NON-BEARING CMU WITH FINISH BOTH SIDES
3 HR RATED– UL U904

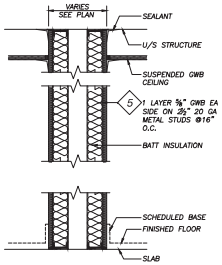


1A 6" NON-BEARING CMU
2 HR RATED– UL U906

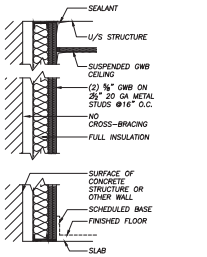
1B 8" NON-BEARING CMU
3 HR RATED– UL U904



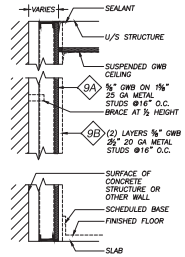
10 DEMISING PARTITION - CHASE
STC = 57
2 HR RATED– UL V490
NOTE: TO THE EXTENT FEASIBLE MINIMIZE CROSS–BRACING/BRACE PIPING TO STUD SIDE WHICH PIPING SERVES



9 CHASE PARTITION
STC = 55
NOTE: TO THE EXTENT FEASIBLE MINIMIZE CROSS–BRACING/BRACE PIPING TO STUD SIDE WHICH PIPING SERVES



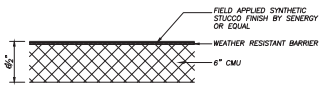
8 FURRED FINISH @ ELEVATOR WALL
STC = 57+
NOTE: NO CROSS–BRACING TO MASONRY



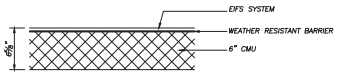
7A FURRED FINISH - 1 LAYER GWB

7B FURRED FINISH - 2 LAYERS GWB

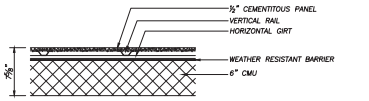
1 PARTITION TYPES
1 1/2" = 1'–0"



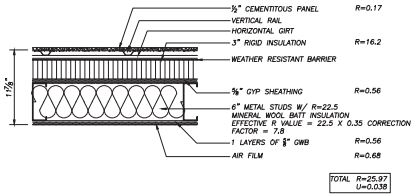
C STUCCO OVER MASONARY
2HR RATED



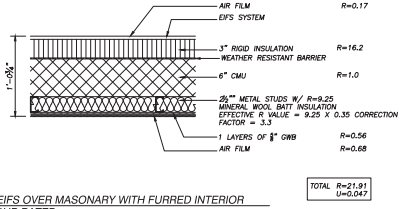
B EIFS OVER MASONRY
NON-RATED



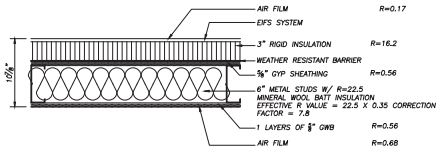
A RAINSCREEN OVER MASONARY
NON-RATED



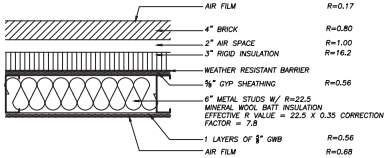
G RAINSCREEN OVER FURRED INTERIOR
NON-RATED



F EIFS OVER MASONARY WITH FURRED INTERIOR
2HR RATED



E EIFS OVER FURRED INTERIOR
NON-RATED



D BRICK OVER FURRED INTERIOR
NON-RATED

2 EXTERIOR WALL TYPES
1 1/2" = 1'–0"

SYDNEY HOUSE
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ISSUE	NO.	MISC.
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ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
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OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
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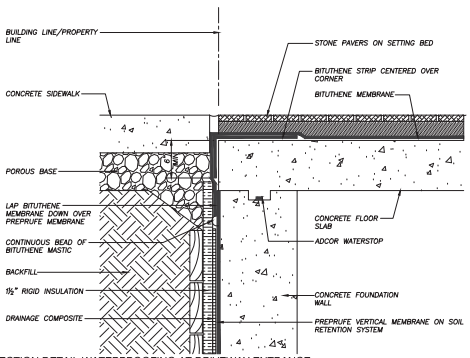
MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
PARTITION DETAILS

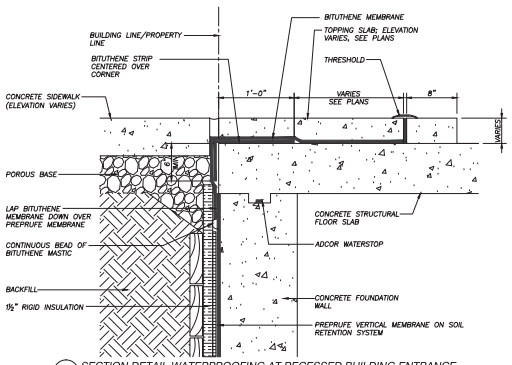
DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A501.00
SHEET: XX OF XX

NYC DOB NUMBER
Value

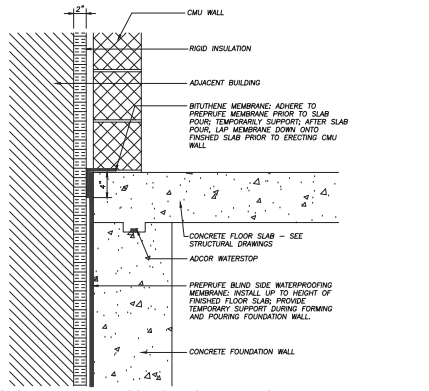
10/28/2015 3:06:26 PM g:\joak\2015\15010 sydney house\drawings\construct\sheets\a501.00 partition details.dwg



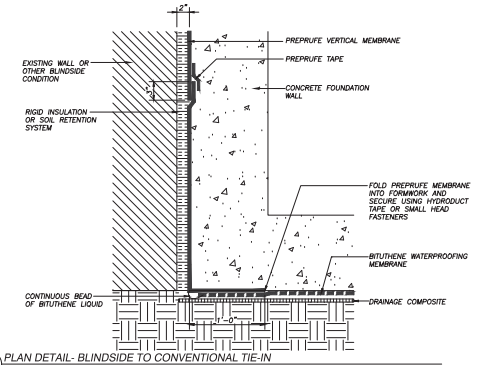
03 SECTION DETAIL-WATERPROOFING AT DRIVEWAY ENTRANCE
1 1/2" = 1'-0"



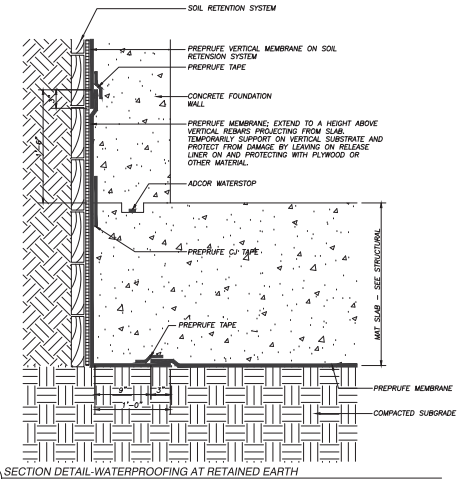
02 SECTION DETAIL-WATERPROOFING AT RECESSED BUILDING ENTRANCE
1 1/2" = 1'-0"



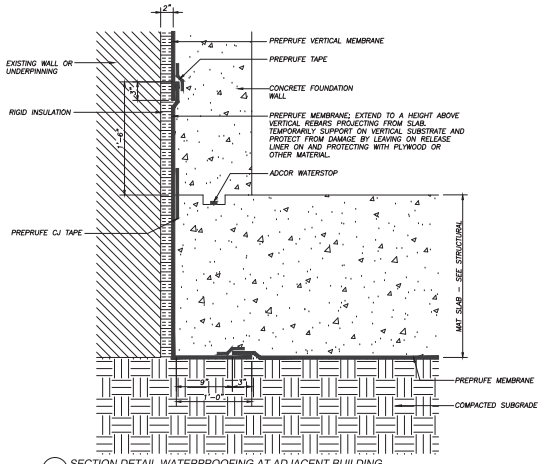
01 SECTION DETAIL-WATERPROOFING AT LOT LINE WALLS
1 1/2" = 1'-0"



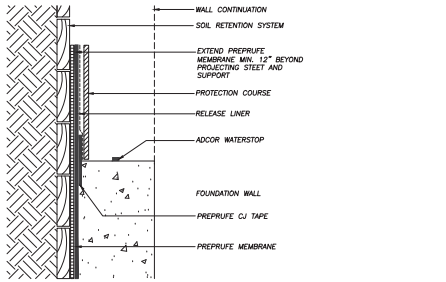
06 PLAN DETAIL- BLINDSIDE TO CONVENTIONAL TIE-IN
1 1/2" = 1'-0"



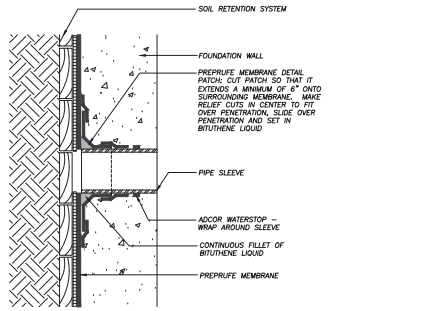
05 SECTION DETAIL-WATERPROOFING AT RETAINED EARTH
1 1/2" = 1'-0"



04 SECTION DETAIL-WATERPROOFING AT ADJACENT BUILDING
1 1/2" = 1'-0"



08 SECTION DETAIL-WATERPROOFING AT WALL CONSTRUCTION JOINT
1 1/2" = 1'-0"



07 SECTION DETAIL-WATERPROOFING AT FOUNDATION WALL PENETRATION
1 1/2" = 1'-0"

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68 JAY STREET SUITE 424
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STRUCTURAL ENGINEERS
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15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
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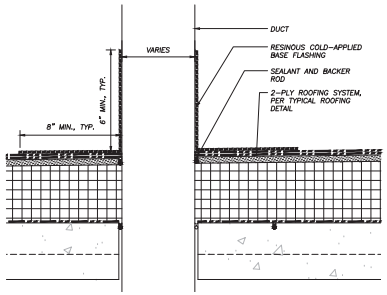
MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
176 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
CONSTRUCTION DETAILS - WATERPROOFING

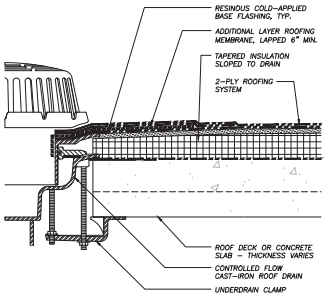
DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A502.00
SHEET: XX OF XX

NYC DOB NUMBER
Value

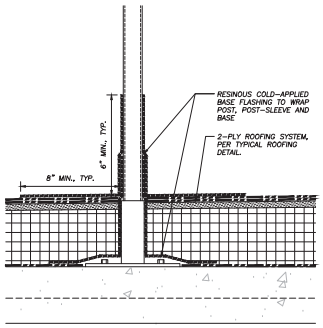
10/28/2015 3:06:36 PM g:\joak\2015\15010 sydney house\drawings\construction sheets\a502.00 construction details - waterproofing.dwg



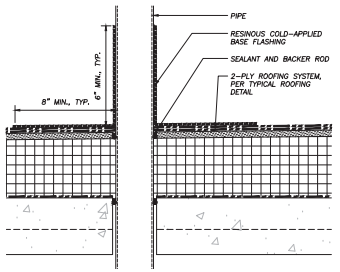
04 TYPICAL DUCT PENETRATION DETAIL
3" = 1'-0"



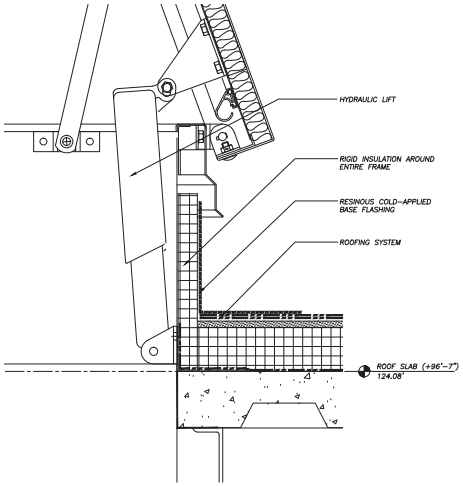
03 TYPICAL ROOF DRAIN DETAIL
3" = 1'-0"



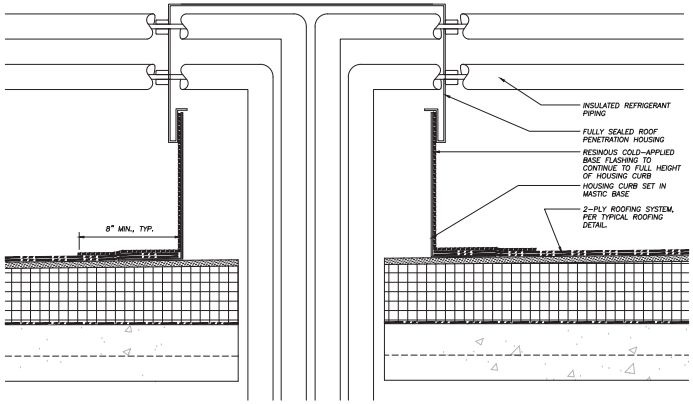
02 TYPICAL RAIL POST DETAIL
3" = 1'-0"



01 TYPICAL PIPE PENETRATION DETAIL
3" = 1'-0"



06 SECTION DETAIL - ROOF HATCH
3" = 1'-0"



3 SECTION DETAIL - PIPING HOUSING
3" = 1'-0"

SYDNEY HOUSE
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Bronx, NY 10467

ISSUE	NO.	MISC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	MISC.

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ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
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111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
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ARCHITECT
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STRUCTURAL ENGINEERS
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15 PENN PLAZA, 19TH FLOOR
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MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
CONSTRUCTION DETAILS - ROOF

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A503.00
SHEET: XX OF XX

NYC DOB NUMBER
Value

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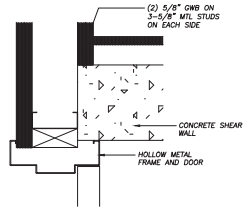
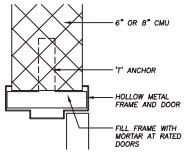
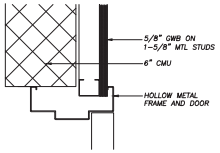


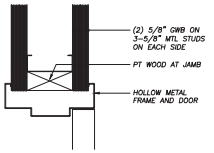
PLAN DETAIL- JAMB(8)
3" = 1'-0"



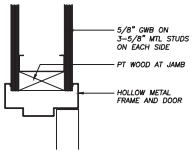
PLAN DETAIL - JAMB (HEAD SIMILAR)(3)
3" = 1'-0"



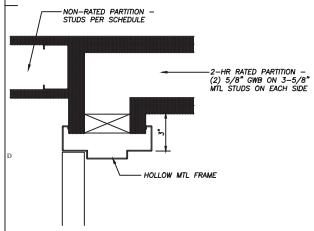
PLAN DETAIL- JAMB
3" = 1'-0"



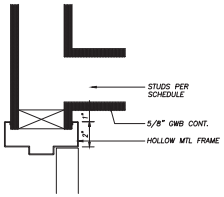
PLAN DETAIL - JAMB (HEAD SIMILAR)(2)
3" = 1'-0"



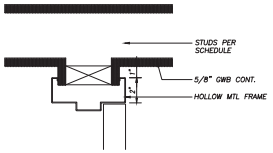
PLAN DETAIL - JAMB (HEAD SIMILAR)
3" = 1'-0"



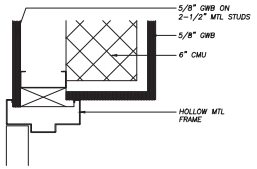
PLAN DETAIL- JAMB(6)
3" = 1'-0"



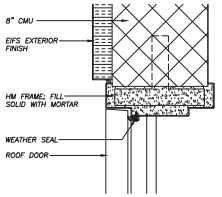
PLAN DETAIL- JAMB(7)
3" = 1'-0"



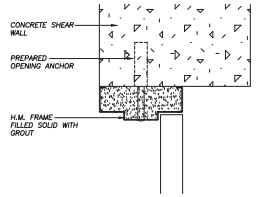
PLAN DETAIL- JAMB(5)
3" = 1'-0"



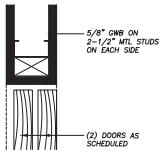
PLAN DETAIL- JAMB(4)
3" = 1'-0"



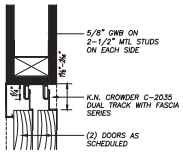
PLAN DETAIL- JAMB(3)
3" = 1'-0"



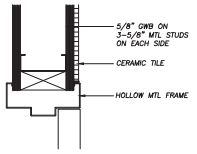
PLAN DETAIL- JAMB(2)
3" = 1'-0"



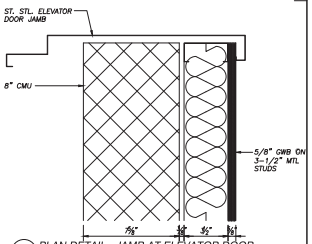
PLAN DETAIL - CLOSET DOOR JAMB
3" = 1'-0"



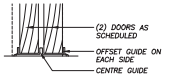
SECTION DETAIL - CLOSET DOOR HEAD
3" = 1'-0"



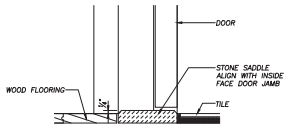
PLAN DETAIL - TYP. JAMB AT BATHROOMS
3" = 1'-0"



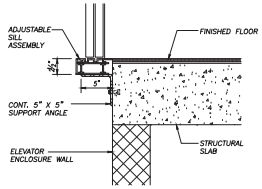
PLAN DETAIL - JAMB AT ELEVATOR DOOR
3" = 1'-0"



SECTION DETAIL - CLOSET DOOR BOTTOM
3" = 1'-0"



SECTION DETAIL - BATHROOM THRESHOLD
3" = 1'-0"



SECTION DETAIL - ELEVATOR ENTRANCE SILL
1 1/2" = 1'-0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	BASIC
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	MISC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
CONSTRUCTION DETAILS - DOORS

DATE: X.X.X
PROJ NO.: 15010
SCALE:
DWG NO.: A504.00
SHEET: XX OF XX

NYC DOB NUMBER
Value

10/28/2015 3:06:59 PM g:\josh\2015\15010 sydney house\drawings\construction sheets\a504.00 construction details - doors.dwg

HARDWARE SCHEDULE

SET NO.	DESCRIPTION	COMPONENTS				NOTES
		ITEM	QTY	MANUFACTURER / MODEL NO.	MATERIAL FINISH	
CHW–1	EXIT FUNCTION – SINGLE SWING – STAIR DOORS	LEVER ON ROSE	1 PAIR			
		LOCKSET	1			
		STRIKE	1			
		HINGES	3			
		CLOSER	1			
		SILENCER	3			
CHW–2	ACCESS CONTROL DOOR – BUILDING COMMON AREAS	LEVER ON ROSE	1 PAIR			
		MORTISE LOCK	1			
		STRIKE	1			
		STANDARD HINGES	2			
		ELECTRIC HINGE	1			
		CLOSER	1			
		SILENCER	3			
CHW–3	OFFICE/ENTRY FUNCTION – SINGLE SWING – MECHANICAL ROOMS	LEVER ON ROSE	1 PAIR			
		MORTISE LOCK	1			
		STRIKE	1			
		HINGES	3			
		CLOSER	1			
		SILENCER	3			
CHW–4	ACCESS CONTROL DOOR – STORAGE ROOM	LEVER ON ROSE	1 PAIR			
		LOCKSET	1			
		STRIKE	1			
		HINGES	4			
		DOOR STOP	1			
		SILENCER	3			
CHW–5	CLASSROOM FUNCTION – SINGLE SWING – UTILITY ROOM	LEVER ON ROSE	1 PAIR			
		LOCKSET	1			
		STRIKE	1			
		HINGES	4			
		CLOSER	1			
		SILENCER	3			
CHW–6	PRIVACY FUNCTION – SINGLE SWING – TOILET ROOM	LEVER ON ROSE	1 PAIR			
		LOCKSET	1			
		STRIKE	1			
		HINGES	4			
		CLOSER	1			
		SILENCER	3			
CHW–7	ENTRANCE FUNCTION– RESIDENTIAL LOBBY (PAIR)	DOOR PULL	1 PAIR			
		CLOSER	1			
		CLOSER – ACTUATOR	1			
		PIVOT HINGES				
		MAGNETIC LOCK	2			
		SENSOR				
		HC PUSH BUTTON	1			
		THRESHOLD	1			
		WEATHERSTRIPPING	1 SET			
CHW–8	ENTRANCE FUNCTION– RESIDENTIAL LOBBY (SINGLE)	DOOR PULL	1 PAIR			
		CLOSER	1			
		CLOSER – ACTUATOR	1			
		PIVOT HINGES				
		MAGNETIC LOCK	2			
		SENSOR				
		HC PUSH BUTTON	1			
		THRESHOLD	1			
		WEATHERSTRIPPING	1 SET			
CHW–9	PASSAGE FUNCTION – JANITOR'S CLOSET / TRASH/RECYCLE ROOM	LEVER ON ROSE	1 PAIR			
		LOCKSET	1			
		STRIKE	1			
		HINGES	3			
		CLOSER	1			
		SILENCER	3			
EHW–1	EXIT FUNCTION – SINGLE SWING – EXIT STAIR TO EXTERIOR	LEVER ON ROSE	1 PAIR			
		LOCKSET	1			
		STRIKE	1			
		HINGES	4			
		CLOSER	1			
		SADDLE	1			
		WEATHERSTRIPPING	1			
RHW–1	ENTRY FUNCTION – SINGLE SWING – EXIT CORRIDOR DOOR	LEVER ON ROSE	1 PAIR			
		TURNPIECE	1			
		LOCKSET	1			
		HINGES	4			
		CLOSER	1			
RHW–2	INTERIOR PRIVACY FUNCTION – SWING DOOR	LEVER ON ROSE	1 PAIR			
		LEVER SPINDLE	1			
		MORTISE LOCK	1			
		HINGE	4			
		TURNPIECE	1			
		EMERGENCY KEY ESCUTCHEON	1			
		DOOR STOP	1			
		SILENCER	3			
RHW–3	COMMON PASSAGE FUNCTION – SINGLE SWING CLOSET DOOR	LEVER ON ROSE	1 PAIR			
		DUMMY LEVER MOUNT	1			
		MAGNETIC CATCH	1			
		HINGE	4			
		DOOR STOP	1			
RHW–4	COMMON PASSAGE & INTERIOR PASSAGE FUNCTION – DOUBLE/TRIPLE/QUADRUPLE SLIDING CLOSET DOORS	FLUSH PULL	1 PAIR			
		EDGE PULL	1			
		SLIDING DOOR HARDWARE	1 SET			

NOTE:

DOOR SCHEDULE

DOOR NO.	TYPE	LOCATION	SIZE			DOOR		FRAME		DETAILS – SEE SHEET A507			RATING	HARDWARE	REMARKS
			WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME MATERIAL	FRAME FINISH	JAMB	HEAD	SILL			
C01	A	STAIR (INTERIOR)	3'–0"	7'–0"	1¾"	METAL	PAINTED	METAL	PAINTED				–– HR	CHW–1	
CXX	A	CORRIDOR	3'–0"	7'–0"	1¾"	METAL	PAINTED	METAL	PAINTED				–– HR	CHW–2	
CXX	A	STORAGE ROOM	3'–0"	7'–0"	1¾"	METAL	PAINTED	METAL	PAINTED				–– HR	CHW–4	
CXX	C	COMPACTOR ROOM	3'–0"	7'–0"	1¾"	METAL	PAINTED	METAL	PAINTED				–– HR	CHW–3	
CXX	C	BOILER ROOM	3'–0"	7'–0"	1¾"	METAL	PAINTED	METAL	PAINTED				–– HR	CHW–3	
CXX	A	LAUNDRY ROOM	3'–0"	7'–0"	1¾"	METAL	PAINTED	METAL	PAINTED				NON–RATED	CHW–5	
CXX	D	TOILET	2'–8"	7'–0"	1¾"	WOOD	PAINTED	METAL	PAINTED				NON–RATED	CHW–6	
CXX	E	MECHANICAL / ELECTRICAL ROOM	3'–0"	7'–0"	1¾"	METAL	PAINTED	METAL	PAINTED				–– HR	CHW–3	
1XX	F	STAIR (EXTERIOR)	3'–0"	7'–0"	1¾"	ST STL		ALUM					–– HR	EHW–1	
1XX	G	RECREATION SPACE	2 (3'–0")	7'–0"	1¾"	GLASS		METAL					NON–RATED	CHW–7	
1XX	G	LOBBY	2 (3'–0")	7'–0"	1¾"	GLASS		METAL					NON–RATED	CHW–7	
1XX	H	LOBBY	3'–0"	7'–0"	1¾"	METAL	PAINTED	METAL	PAINTED				NON–RATED	CHW–8	
1XX	I	MECHANICAL ROOM (EXTERIOR)	3'–0"	7'–0"	1¾"	METAL	PAINTED	METAL	PAINTED				NON–RATED	EHW–1	
2XX	D	TRASH / RECYCLE ROOM	3'–0"	7'–0"	1¾"	WOOD	PAINTED	METAL	PAINTED				NON–RATED	CHW–9	
2XX	G	ROOF TERRACE / BALCONY	2(2'–0")	7'–0"	1¾"	GLASS		METAL					NON–RATED	CHW–7	
2XX	J	ENTRY	3'–0"	7'–0"	1¾"	WOOD	PAINTED	METAL	PAINTED				–– HR	RHW–1	
2XX	K	BEDROOM	2'–10"	7'–0"	1¾"	WOOD	PAINTED	METAL	PAINTED				NON–RATED	RHW–2	
2XX	L	BATH	2'–10"	7'–0"	1¾"	WOOD	PAINTED	METAL	PAINTED				NON–RATED	RHW–2	
2XX	M	CLOSET	2'–0"	7'–0"	1¾"	WOOD	PAINTED	WOOD	PAINTED				NON–RATED	RHW–4	
2XX	N	CLOSET	2(2'–0")	7'–0"	1¾"	WOOD	PAINTED	WOOD	PAINTED				NON–RATED	RHW–3	
3XX–6XX															
7XX															
RXX	F	STAIR (EXTERIOR)	3'–0"	7'–0"	1¾"	METAL	PAINTED	METAL	PAINTED				–– HR	EHW–1	
RXX	F	ELEVATOR	3'–8"	7'–0"	1¾"	METAL	PAINTED	METAL	PAINTED				–– HR	EHW–1	

WINDOW SCHEDULE

WINDOW ID	DESCRIPTION	MANUFACTURER/MODEL	R.O. SIZE	LOCATION	EXTERIOR FINISH	INTERIOR FINISH	GLAZING TYPE	GLAZING U–FACTOR	SHGC	NOTES

1 DOOR TYPES
1/4" = 1'–0"

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
176 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
DOOR & WINDOW SCHEDULE; DOOR TYPES

DATE:	X.X.X
PROJ NO.	15010
SCALE:	
DWG NO.	A601.00
SHEET	XX OF XX

NYC DOB NUMBER
Value

10/28/2015 3:07:05 PM g:\joak\2015\15010 sydney house\drawings\construct\sheets\a601.00 door & window schedule; door types.dwg

FINISH SCHEDULE

FLOOR		LOCATION	FLOOR			WALL		CEILING	
			MATERIAL	FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH
CELLAR		C00 LAUNDRY							
		C00 BOILER ROOM/SUMP PUMP							
		C00 COMPACTOR ROOM							
		C00 MAINTENANCE							
		C00 TOILET							
		C00 JANITOR							
		C00 CORRIDOR							
		C00 WATER SVCS							
		C00 GAS							
		C00 ELECTRICAL ROOM							
		C00 LO-V ROOM							
		C00 DWELLING UNIT STORAGE							
		C00 CORRIDOR							
1ST FLOOR		100 VESTIBULE							
		100 LOBBY							
		100 STORAGE							
		100 RECREATION ROOM							
2ND FLOOR		200 CORRIDOR							
		200 JANITOR'S CLOSET							
		200 TRASH/RECYCLE ROOM							
	UNIT 2A	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		200 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		200 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 2B	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		200 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		200 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 2C	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		200 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		200 BEDROOM 3	WD	–	WD	GWB	PT	GWB	PT
		200 BATH 1	CT	–	CT	CT	–	GWB	PT
		200 BATH 2	CT	–	CT	CT	–	GWB	PT
		200 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 2D	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		200 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 2E	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		200 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		200 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 2F	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		200 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 2G	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		200 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 2H	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		200 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		200 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 2I	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		200 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		200 BEDROOM 3	WD	–	WD	GWB	PT	GWB	PT
		200 BATH 1	CT	–	CT	CT	–	GWB	PT
		200 BATH 2	CT	–	CT	CT	–	GWB	PT
		200 HALL	WD	–	WD	GWB	PT	GWB	PT

FINISH SCHEDULE

FLOOR		LOCATION	FLOOR			WALL		CEILING	
			MATERIAL	FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH
3RD–6TH FLOOR		300–600 CORRIDOR							
		300–600 JANITOR'S CLOSET							
		300–600 TRASH/RECYCLE ROOM							
	UNIT 3–6A	300–600 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		300–600 KITCHEN							
		300–600 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		300–600 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		300–600 BATH	CT	–	CT	CT	–	GWB	PT
		300–600 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 3–6B	300–600 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		300–600 KITCHEN							
		300–600 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		300–600 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		300–600 BATH	CT	–	CT	CT	–	GWB	PT
		300–600 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 3–6C	300–600 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		300–600 KITCHEN							
		300–600 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		300–600 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		300–600 BEDROOM 3	WD	–	WD	GWB	PT	GWB	PT
		300–600 BATH 1	CT	–	CT	CT	–	GWB	PT
		300–600 BATH 2	CT	–	CT	CT	–	GWB	PT
		300–600 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 3–6D	300–600 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		300–600 KITCHEN							
		300–600 BEDROOM	WD	–	WD	GWB	PT	GWB	PT
		300–600 BATH	CT	–	CT	CT	–	GWB	PT
		300–600 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 3–6E	300–600 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		300–600 KITCHEN							
		300–600 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		300–600 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		300–600 BATH	CT	–	CT	CT	–	GWB	PT
		300–600 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 3–6F	300–600 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		300–600 KITCHEN							
		300–600 BEDROOM	WD	–	WD	GWB	PT	GWB	PT
		300–600 BATH	CT	–	CT	CT	–	GWB	PT
		300–600 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 3–6G	300–600 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		300–600 KITCHEN							
		300–600 BEDROOM	WD	–	WD	GWB	PT	GWB	PT
		300–600 BATH	CT	–	CT	CT	–	GWB	PT
		300–600 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 3–6H	300–600 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		300–600 KITCHEN							
		300–600 BEDROOM	WD	–	WD	GWB	PT	GWB	PT
		300–600 BATH	CT	–	CT	CT	–	GWB	PT
		300–600 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 3–6I	300–600 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		300–600 KITCHEN							
		300–600 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		300–600 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		300–600 BATH	CT	–	CT	CT	–	GWB	PT
		300–600 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 3–6J	300–600 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		300–600 KITCHEN							
		300–600 BEDROOM	WD	–	WD	GWB	PT	GWB	PT
		300–600 BATH	CT	–	CT	CT	–	GWB	PT
		300–600 HALL	WD	–	WD	GWB	PT	GWB	PT

FINISH SCHEDULE

FLOOR		LOCATION	FLOOR			WALL		CEILING	
			MATERIAL	FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH
7TH FLOOR		700 CORRIDOR							
		700 JANITOR'S CLOSET							
		700 TRASH/RECYCLE ROOM							
	UNIT 7A	700 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		700 KITCHEN							
		700 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		700 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		700 BATH	CT	–	CT	CT	–	GWB	PT
		700 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 7B	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		200 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		700 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 7C	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		700 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 7D	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		200 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		700 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 7E	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		700 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 7F	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		700 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 7G	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		200 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		700 HALL	WD	–	WD	GWB	PT	GWB	PT
	UNIT 7H	200 LIVING/DINING	WD	–	WD	GWB	PT	GWB	PT
		200 KITCHEN							
		200 BEDROOM 1	WD	–	WD	GWB	PT	GWB	PT
		200 BEDROOM 2	WD	–	WD	GWB	PT	GWB	PT
		200 BATH	CT	–	CT	CT	–	GWB	PT
		700 HALL	WD	–	WD	GWB	PT	GWB	PT

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESCRIPTION
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	MISC.

OWNER
ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0800

OWNER
HABITAT FOR HUMANITY NEW YORK CITY, INC.
111 JOHN STREET, 23RD FLOOR
NEW YORK, NY 10038
212-981-4000

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

STRUCTURAL ENGINEERS
WAYMAN C. WING CONSULTING ENGINEERS
15 PENN PLAZA, 19TH FLOOR
NEW YORK, NY 10001
212 564 4370 TEL

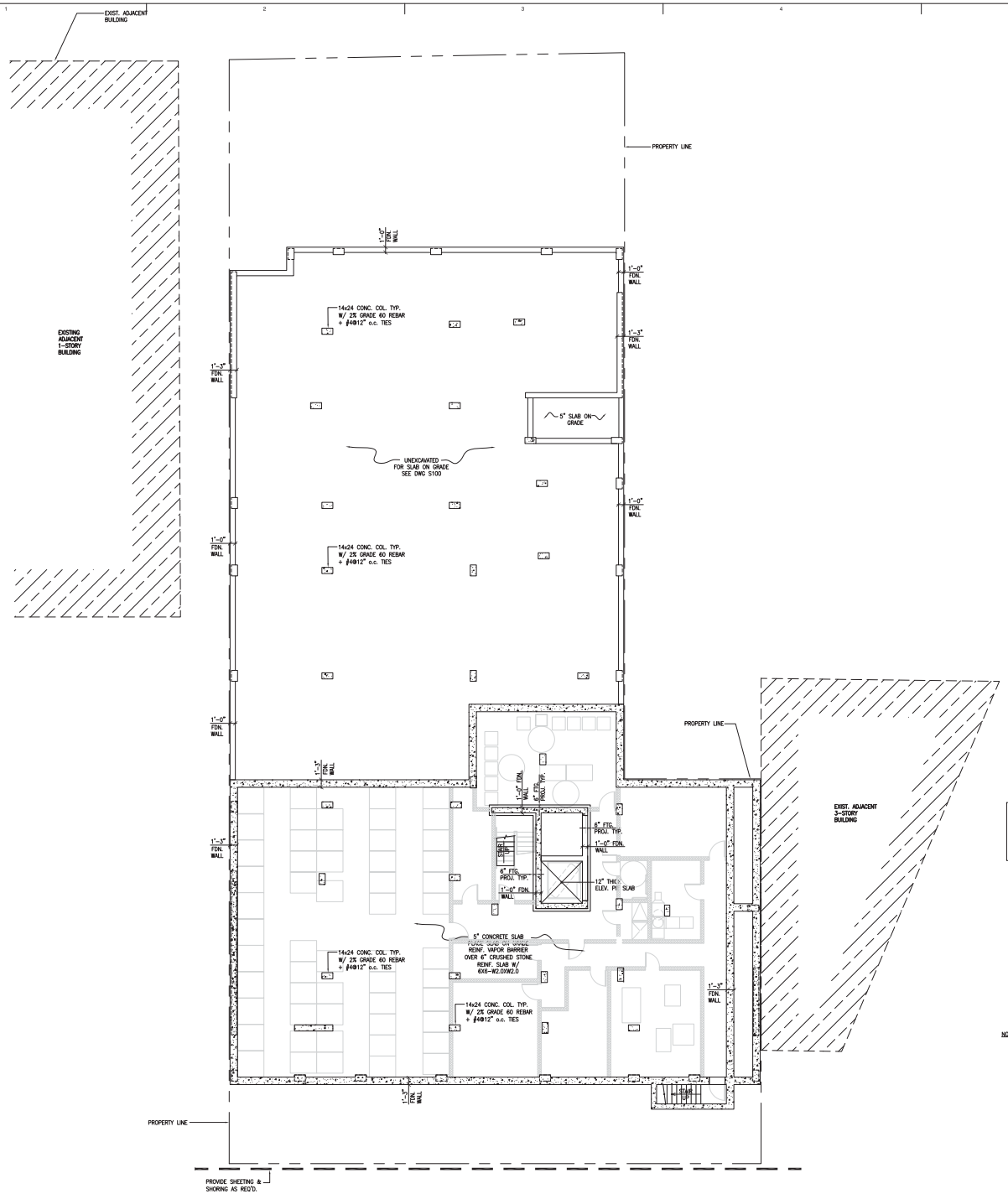
MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
176 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
FINISHES SCHEDULE

DATE: -----
PROJ NO.: 15010
SCALE:
DWG NO.: A602.00
SHEET: OF

NYC DOB NUMBER
Value

10/28/2015 3:07:09 PM g:\oak\2015\15010 sydney house\drawings\construct\sheets\a602.00 finishes schedule.dwg



FOUNDATION ANTICIPATED TO BE CONVENTIONAL SPREAD FOOTINGS FOUNDED ON ROCK. DESIGN PENDING COMPLETION OF GEOTECHNICAL INVESTIGATION AND REPORT.

CELLAR AND FOUNDATION PLAN

1/4"=1'-0"

N PROJ. NORTH

NOTES:

1. FOR TYPICAL FOUNDATION DETAILS SEE DWGS. FO-200 & FO-201
2. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE DWGS. S-200 THROUGH S-202.
3. FOR GENERAL NOTES SEE DWG. S-300.

Sydney House
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.28.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

ALMAT GROUP LLC
69 JAY STREET SUITE 424
BROOKLYN, NY 11201
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HABITAT FOR HUMANITY NEW YORK CITY, INC.
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MEP CONSULTANTS
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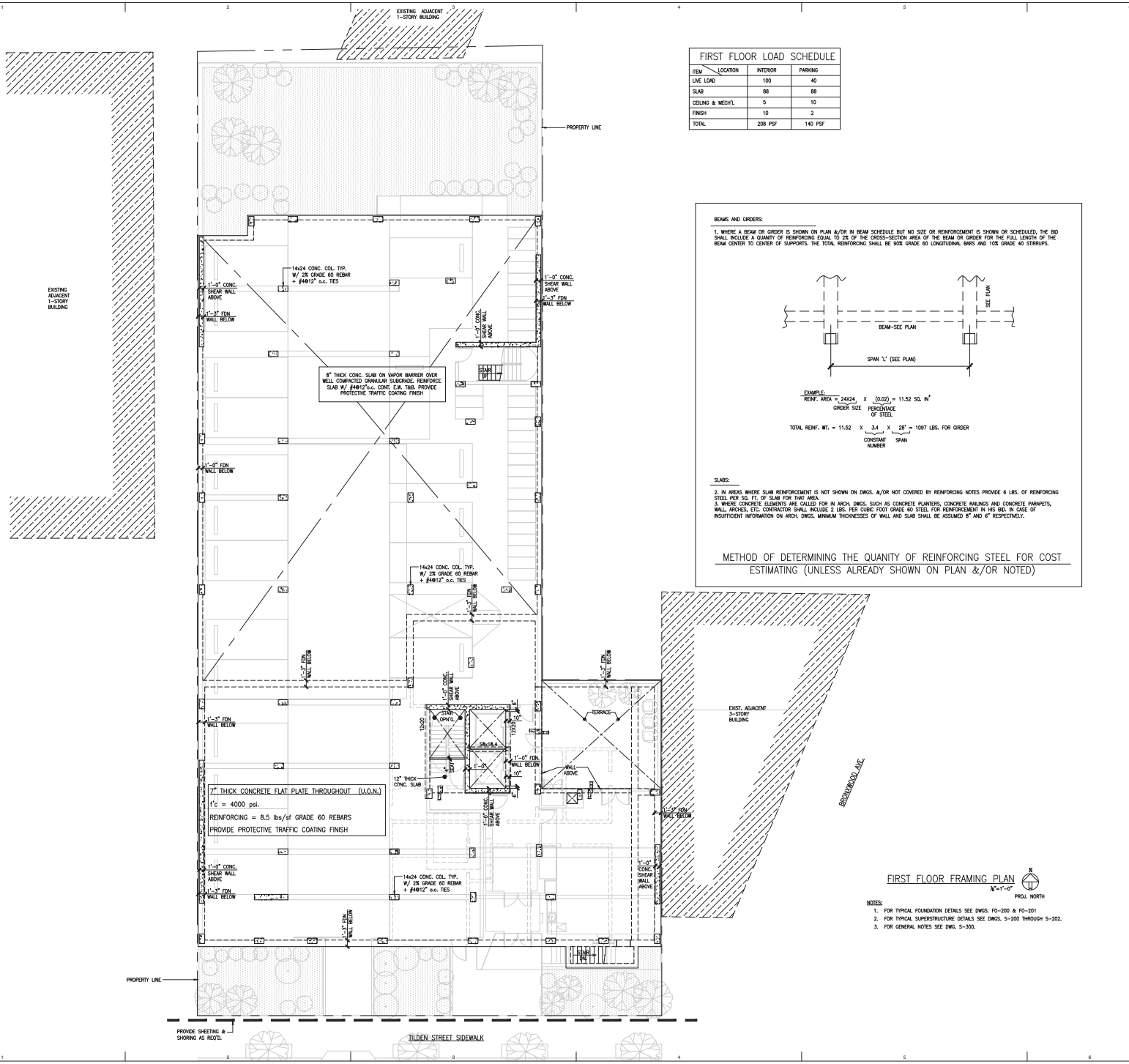
175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
CELLAR AND FOUNDATION PLAN

DATE: 9/30/15
PROJ NO:
SCALE: AS NOTED
DWG NO: FO-100
SHEET OF
NYC DOB NUMBER



FIRST FLOOR LOAD SCHEDULE

ITEM / LOCATION	INTERIOR	PARKING
LIVE LOAD	100	40
SLAB	88	88
CEILING & MECH'L	5	10
FINISH	10	2
TOTAL	208 PSF	140 PSF

BEAMS AND GIRDERS:

1. WHERE A BEAM OR GIRDER IS SHOWN ON PLAN &/OR IN BEAM SCHEDULE BUT NO SIZE OR REINFORCEMENT IS SHOWN OR SCHEDULED, THE BID SHALL INCLUDE A QUANITY OF REINFORCING EQUAL TO 2% OF THE CROSS-SECTION AREA OF THE BEAM OR GIRDER FOR THE FULL LENGTH OF THE BEAM CENTER TO CENTER OF SUPPORTS. THE TOTAL REINFORCING SHALL BE 90% GRADE 60 LONGITUDINAL BARS AND 10% GRADE 40 STIRRUPS.

EXAMPLE:

$$\text{REINF. AREA} = \frac{24\text{X}24}{\text{GIRDER SIZE}} \times \underbrace{(0.02)}_{\text{PERCENTAGE OF STEEL}} = 11.52 \text{ SQ. IN}^2$$

$$\text{TOTAL REINF. WT.} = 11.52 \times \underbrace{3.4}_{\text{CONSTANT NUMBER}} \times \underbrace{28'}_{\text{SPAN}} = 1097 \text{ LBS. FOR GIRDER}$$

SLABS:

2. IN AREAS WHERE SLAB REINFORCEMENT IS NOT SHOWN ON DWGS. &/OR NOT COVERED BY REINFORCING NOTES PROVIDE 6 LBS. OF REINFORCING STEEL PER SQ. FT. OF SLAB FOR THAT AREA.
3. WHERE CONCRETE ELEMENTS ARE CALLED FOR IN ARCH. DWGS. SUCH AS CONCRETE PLANTERS, CONCRETE RAILINGS AND CONCRETE PARAPETS, WALL, ARCHES, ETC. CONTRACTOR SHALL INCLUDE 2 LBS. PER CUBIC FOOT GRADE 60 STEEL FOR REINFORCEMENT IN HIS BID. IN CASE OF INSUFFICIENT INFORMATION ON ARCH. DWGS. MINIMUM THICKNESSES OF WALL AND SLAB SHALL BE ASSUMED 8" AND 6" RESPECTIVELY.

METHOD OF DETERMINING THE QUANITY OF REINFORCING STEEL FOR COST ESTIMATING (UNLESS ALREADY SHOWN ON PLAN &/OR NOTED)

FIRST FLOOR FRAMING PLAN

1/8"=1'-0" PROJ. NORTH

NOTES:
1. FOR TYPICAL FOUNDATION DETAILS SEE DWGS. F0-200 & F0-201
2. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE DWGS. S-200 THROUGH S-202.
3. FOR GENERAL NOTES SEE DWG. S-300.

Sydney House
839-843 Tilden Street
Bronx, NY 10467

ISSUE DATE	NO.	DESC.
10.29.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

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68 JAY STREET SUITE 424
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718-596-0600

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STRUCTURAL ENGINEERS
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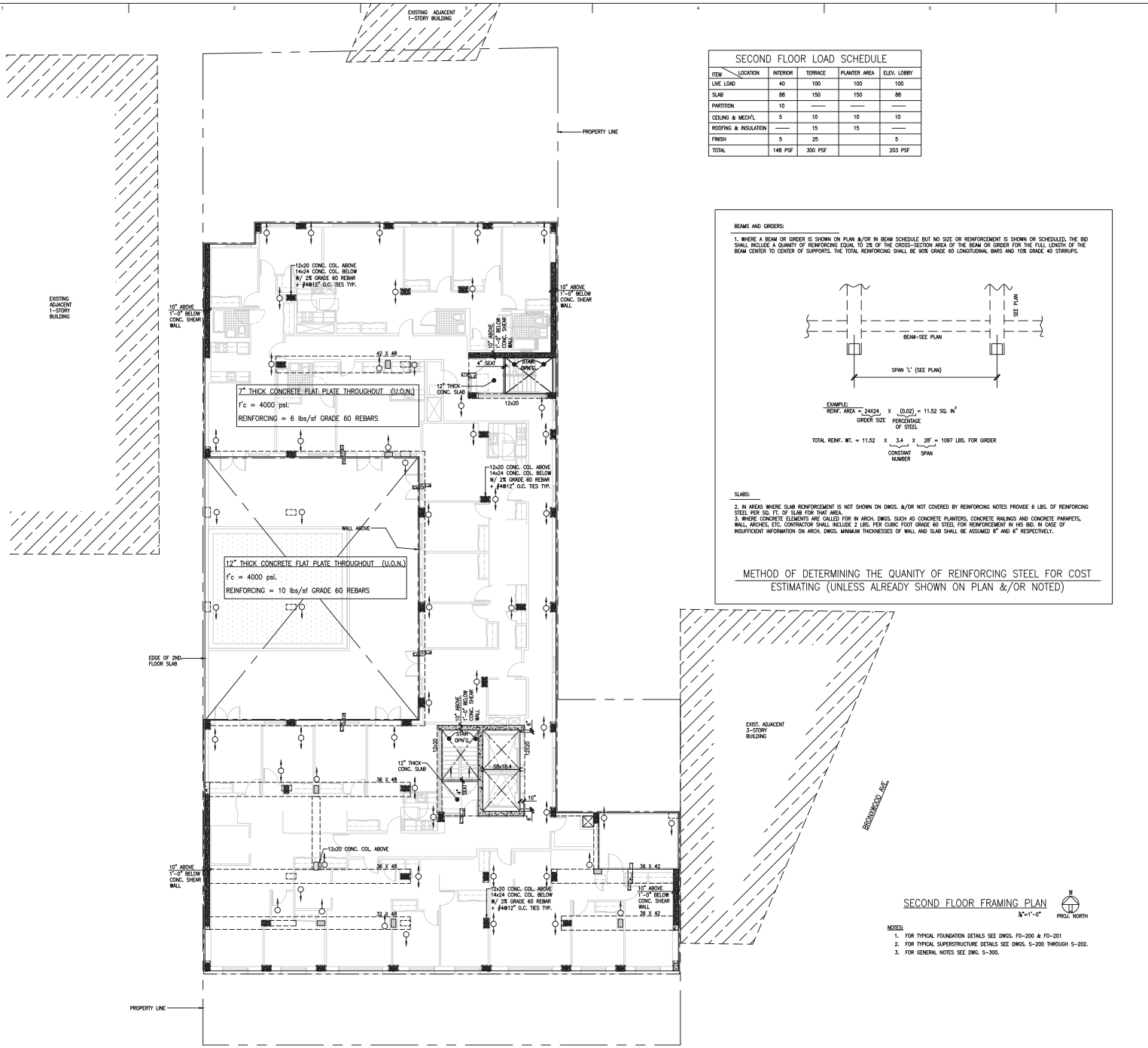
NEW YORK, NY 10001
212 564 4370 TEL

MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
FIRST FLOOR FRAMING PLAN

DATE: 9/30/15
PROJ NO:
SCALE: AS NOTED
DWG NO: S-100
SHEET OF
NYC DOB NUMBER



SECOND FLOOR LOAD SCHEDULE

ITEM / LOCATION	INTERIOR	TERRACE	PLANTER AREA	ELEV. LOBBY
LIVE LOAD	40	100	100	100
SLAB	88	150	150	88
PARTITION	10	——	——	——
CEILING & MECH'L	5	10	10	10
ROOFING & INSULATION	——	15	15	——
FINISH	5	25		5
TOTAL	148 PSF	300 PSF		203 PSF

BEAMS AND GIRDERS:

1. WHERE A BEAM OR GIRDER IS SHOWN ON PLAN &/OR IN BEAM SCHEDULE BUT NO SIZE OR REINFORCEMENT IS SHOWN OR SCHEDULED, THE BID SHALL INCLUDE A QUANITY OF REINFORCING EQUAL TO 2% OF THE CROSS-SECTION AREA OF THE BEAM OR GIRDER FOR THE FULL LENGTH OF THE BEAM CENTER TO CENTER OF SUPPORTS. THE TOTAL REINFORCING SHALL BE 90% GRADE 60 LONGITUDINAL BARS AND 10% GRADE 40 STIRRUPS.

EXAMPLE:

REINF. AREA = 24X24 (GIRDER SIZE) X (0.02) (PERCENTAGE OF STEEL) = 11.52 SQ. IN^2

TOTAL REINF. WT. = 11.52 X 3.4 (CONSTANT NUMBER) X 28' (SPAN) = 1097 LBS. FOR GIRDER

SLABS:

2. IN AREAS WHERE SLAB REINFORCEMENT IS NOT SHOWN ON DWGS. &/OR NOT COVERED BY REINFORCING NOTES PROVIDE 6 LBS. OF REINFORCING STEEL PER SQ. FT. OF SLAB FOR THAT AREA.
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METHOD OF DETERMINING THE QUANITY OF REINFORCING STEEL FOR COST ESTIMATING (UNLESS ALREADY SHOWN ON PLAN &/OR NOTED)

SECOND FLOOR FRAMING PLAN

3/8"=1'-0"

PROJ. NORTH

NOTES:

1. FOR TYPICAL FOUNDATION DETAILS SEE DWGS. F0-200 & F0-201
2. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE DWGS. S-200 THROUGH S-202.
3. FOR GENERAL NOTES SEE DWG. S-300.

Sydney House
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.29.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

ALMAT GROUP LLC
68 JAY STREET SUITE 424
BROOKLYN, NY 11201
718-596-0600

HABITAT FOR HUMANITY NEW YORK CITY, INC.
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212 564 4370 TEL

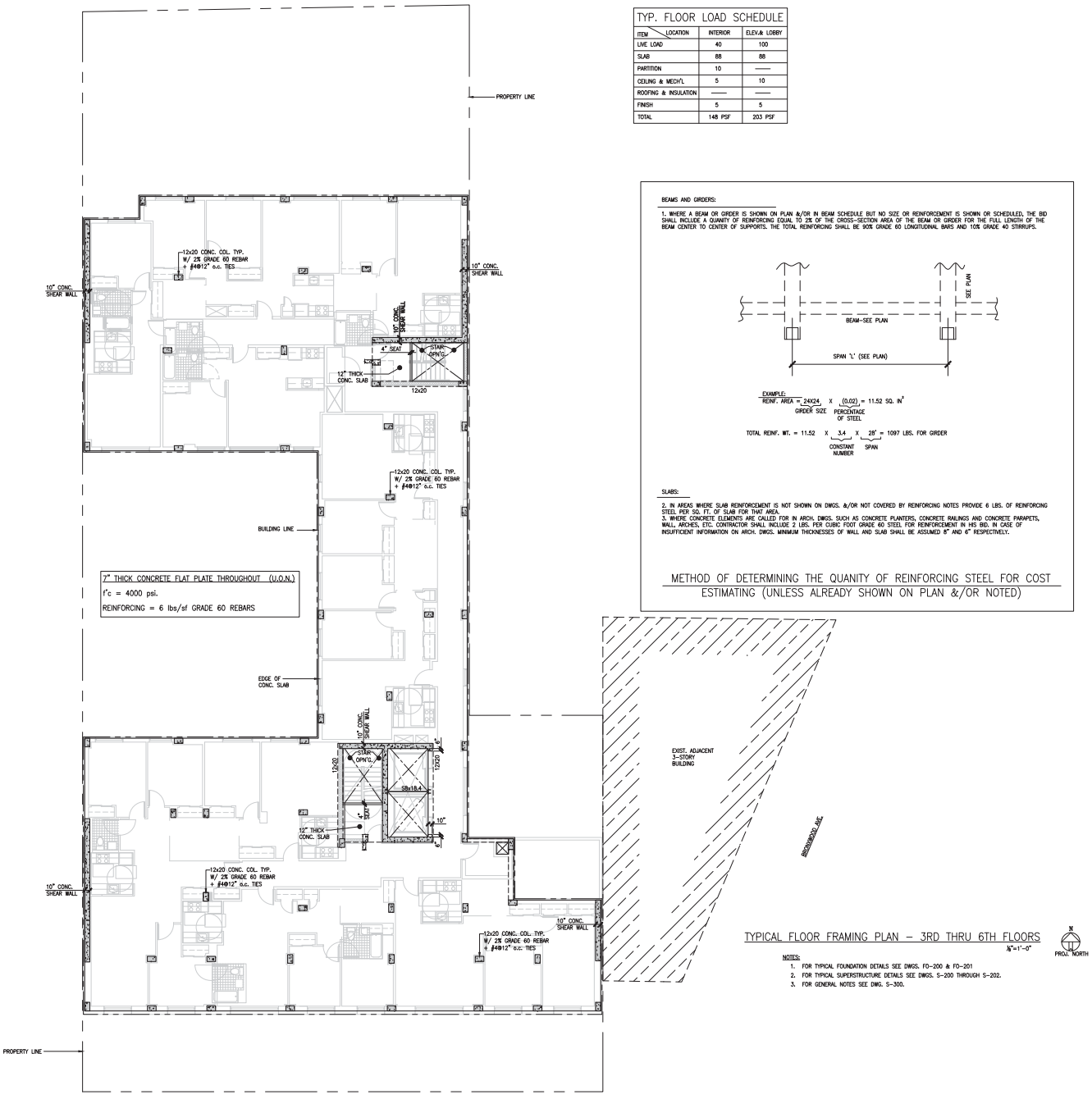
MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE

SECOND FLOOR FRAMING PLAN

DATE: 9/30/15
PROJ NO:
SCALE: AS NOTED
DWG NO: S-101
SHEET OF
NYC DOB NUMBER

TYP. FLOOR LOAD SCHEDULE		
ITEM \ LOCATION	INTERIOR	ELEV.& LOBBY
LIVE LOAD	40	100
SLAB	88	88
PARTITION	10	——
CEILING & MECH'L	5	10
ROOFING & INSULATION	——	——
FINISH	5	5
TOTAL	148 PSF	203 PSF



BEAMS AND GIRDERS:

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EXAMPLE:

REINF. AREA = 24X24 (GIRDER SIZE) X (0.02) (PERCENTAGE OF STEEL) = 11.52 SQ. IN^2

TOTAL REINF. WT. = 11.52 X 3.4 (CONSTANT NUMBER) X 28' (SPAN) = 1097 LBS. FOR GIRDER

SLABS:

2. IN AREAS WHERE SLAB REINFORCEMENT IS NOT SHOWN ON DWGS. &/OR NOT COVERED BY REINFORCING NOTES PROVIDE 6 LBS. OF REINFORCING STEEL PER SQ. FT. OF SLAB FOR THAT AREA.
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METHOD OF DETERMINING THE QUANITY OF REINFORCING STEEL FOR COST ESTIMATING (UNLESS ALREADY SHOWN ON PLAN &/OR NOTED)

TYPICAL FLOOR FRAMING PLAN – 3RD THRU 6TH FLOORS

1/8"=1'-0"

PROJ. NORTH

NOTES:

1. FOR TYPICAL FOUNDATION DETAILS SEE DWGS. FO-200 & FO-201
2. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE DWGS. S-200 THROUGH S-202.
3. FOR GENERAL NOTES SEE DWG. S-300.

Sydney House
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.29.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

ALMAT GROUP LLC
68 JAY STREET SUITE 424
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718-596-0600

HABITAT FOR HUMANITY NEW YORK CITY, INC.
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STRUCTURAL ENGINEERS
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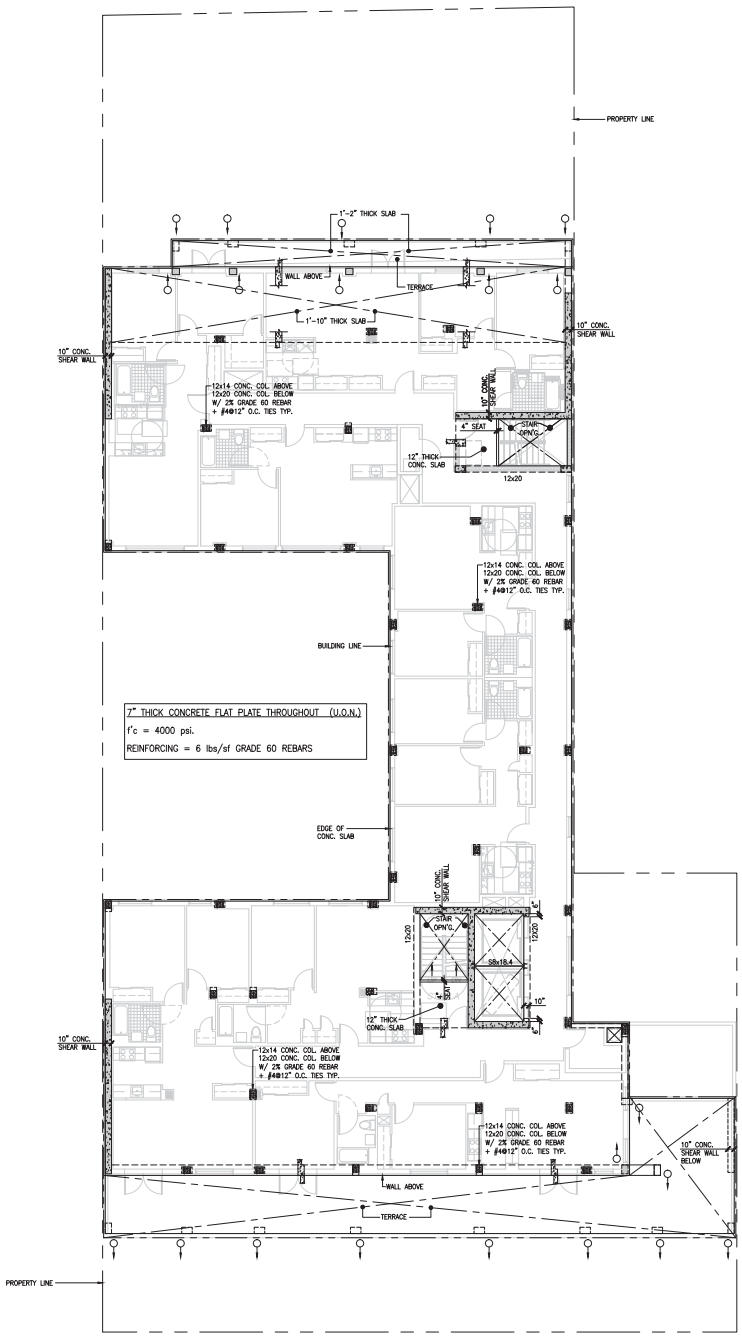
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE

TYPICAL FLOOR FRAMING PLAN
3RD THRU 6TH FLOORS

DATE: 9/30/15
PROJ NO:
SCALE: AS NOTED
DWG NO: S-102
SHEET OF

NYC DOB NUMBER

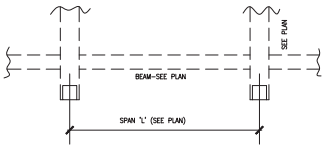


SEVENTH FLOOR LOAD SCHEDULE

ITEM / LOCATION	INTERIOR	SOUTH TERRACE	NORTH TERRACE	ELEV. LOBBY
LIVE LOAD	40	60	60	100
SLAB	88	88	175	88
PARTITION	10	——	——	——
CEILING & MECH'L	5	5	5	10
ROOFING & INSULATION	——	15	15	——
FINISH	5	25	25	5
TOTAL	148 PSF	193 PSF	280 PSF	203 PSF

BEAMS AND GIRDERS:

1. WHERE A BEAM OR GIRDER IS SHOWN ON PLAN &/OR IN BEAM SCHEDULE BUT NO SIZE OR REINFORCEMENT IS SHOWN OR SCHEDULED, THE BID SHALL INCLUDE A QUANITY OF REINFORCING EQUAL TO 2% OF THE CROSS-SECTION AREA OF THE BEAM OR GIRDER FOR THE FULL LENGTH OF THE BEAM CENTER TO CENTER OF SUPPORTS. THE TOTAL REINFORCING SHALL BE 90% GRADE 60 LONGITUDINAL BARS AND 10% GRADE 40 STIRRUPS.



EXAMPLE:

REINF. AREA = 24X24 (GIRDER SIZE) X (0.02) (PERCENTAGE OF STEEL) = 11.52 SQ. IN^2

TOTAL REINF. WT. = 11.52 X 3.4 (CONSTANT NUMBER) X 28' (SPAN) = 1097 LBS. FOR GIRDER

SLABS:

2. IN AREAS WHERE SLAB REINFORCEMENT IS NOT SHOWN ON DWGS. &/OR NOT COVERED BY REINFORCING NOTES PROVIDE 6 LBS. OF REINFORCING STEEL PER SQ. FT. OF SLAB FOR THAT AREA.
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METHOD OF DETERMINING THE QUANITY OF REINFORCING STEEL FOR COST ESTIMATING (UNLESS ALREADY SHOWN ON PLAN &/OR NOTED)

SEVENTH FLOOR FRAMING PLAN

3/16"=1'-0"

N
PROJ. NORTH

NOTES:

1. FOR TYPICAL FOUNDATION DETAILS SEE DWGS. FD-200 & FD-201
2. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE DWGS. S-200 THROUGH S-202.
3. FOR GENERAL NOTES SEE DWG. S-300.

Sydney House
839-843 Tiden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.29.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

ALMAT GROUP LLC
68 JAY STREET SUITE 424
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718-596-0600

HABITAT FOR HUMANITY NEW YORK CITY, INC.
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ARCHITECT
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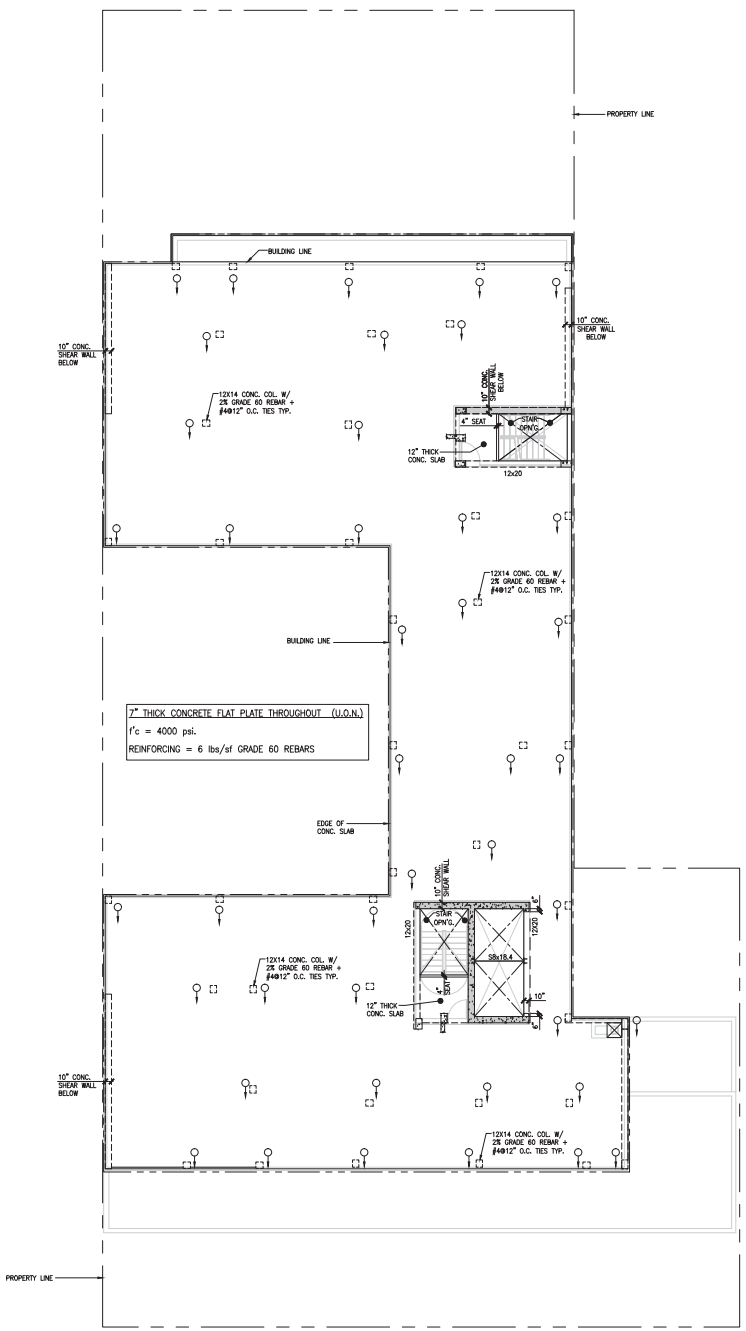
MEP CONSULTANTS
MOROZOV P.E. INTEGRATED BUILDING SERVICES
175 VARICK STREET, 6TH FLOOR
NEW YORK, NY 10014
212-330-7634

DRAWING TITLE
SEVENTH FLOOR FRAMING PLAN

DATE: 9/30/15
PROJ NO:
SCALE: AS NOTED
DWG NO: S-103
SHEET OF

NYC DOB NUMBER

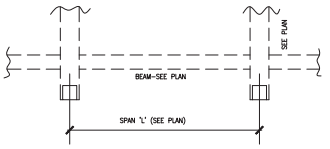


ROOF LOAD SCHEDULE	
LIVE LOAD	*40
SLAB	88
CEILING & MECH'L	10
ROOFING & INSULATION	15
TOTAL	153 PSF

* INCREASING ADJACENT TO HIGH WALLS AND PARAPETS

BEAMS AND GIRDERS:

1. WHERE A BEAM OR GIRDER IS SHOWN ON PLAN &/OR IN BEAM SCHEDULE BUT NO SIZE OR REINFORCEMENT IS SHOWN OR SCHEDULED, THE BID SHALL INCLUDE A QUANITY OF REINFORCING EQUAL TO 2% OF THE CROSS-SECTION AREA OF THE BEAM OR GIRDER FOR THE FULL LENGTH OF THE BEAM CENTER TO CENTER OF SUPPORTS. THE TOTAL REINFORCING SHALL BE 90% GRADE 60 LONGITUDINAL BARS AND 10% GRADE 40 STIRRUPS.



EXAMPLE:

REINF. AREA = 24X24 (GIRDER SIZE) X (0.02) (PERCENTAGE OF STEEL) = 11.52 SQ. IN²

TOTAL REINF. WT. = 11.52 X 3.4 (CONSTANT NUMBER) X 28' (SPAN) = 1097 LBS. FOR GIRDER

SLABS:

2. IN AREAS WHERE SLAB REINFORCEMENT IS NOT SHOWN ON DWGS. &/OR NOT COVERED BY REINFORCING NOTES PROVIDE 6 LBS. OF REINFORCING STEEL PER SQ. FT. OF SLAB FOR THAT AREA.
3. WHERE CONCRETE ELEMENTS ARE CALLED FOR IN ARCH. DWGS. SUCH AS CONCRETE PLANTERS, CONCRETE RAILINGS AND CONCRETE PARAPETS, WALL, ARCHES, ETC. CONTRACTOR SHALL INCLUDE 2 LBS. PER CUBIC FOOT GRADE 60 STEEL FOR REINFORCEMENT IN HIS BID. IN CASE OF INSUFFICIENT INFORMATION ON ARCH. DWGS. MINIMUM THICKNESSES OF WALL AND SLAB SHALL BE ASSUMED 8" AND 6" RESPECTIVELY.

METHOD OF DETERMINING THE QUANITY OF REINFORCING STEEL FOR COST ESTIMATING (UNLESS ALREADY SHOWN ON PLAN &/OR NOTED)

ROOF FRAMING PLAN

1/4"=1'-0"

N PROJ. NORTH

NOTES:

1. FOR TYPICAL FOUNDATION DETAILS SEE DWGS. FD-200 & FD-201
2. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE DWGS. S-200 THROUGH S-202.
3. FOR GENERAL NOTES SEE DWG. S-300.

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Bronx, NY 10467

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68 JAY STREET SUITE 424
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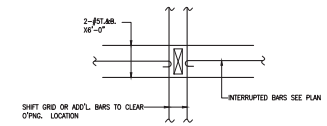
DRAWING TITLE

ROOF FRAMING PLAN

DATE: 9/30/15
PROJ NO:
SCALE: AS NOTED
DWG NO: S-104
SHEET OF
NYC DOB NUMBER

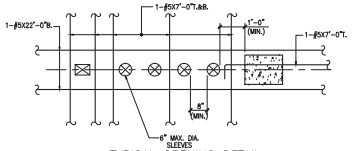


TYPICAL OPENING DETAIL

1/2"=1'-0"

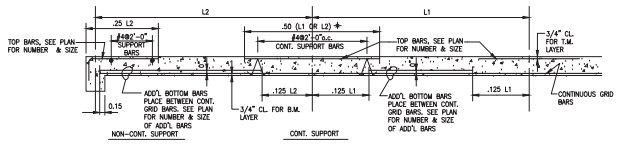
NOTES:
1. REINFORCING SHOWN IS IN ADDITION TO THAT SHOWN ON FRAMING PLAN.
2. DO NOT CUT BARS OCCURRING AT SLEEVE LOCATIONS. SHIFT BARS TO EITHER SIDE OF SLEEVE.
3. WHERE OPENINGS ARE NEAR OR AGAINST EXTERIOR BEAMS OR COLUMNS &ADDED REINF. CANNOT BE EXTENDED AS SHOWN, HOOK ADDED BARS.

NOTE:
SEE ARCH. & MECH. DWGS. FOR LOCATION AND SIZE OF SLAB OPENINGS. A COMPOSITE DWG. INDICATING ALL SLAB PENETRATIONS FOR DUCTS AND PIPES SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVALS SECURED BEFORE SLAB IS POURED.

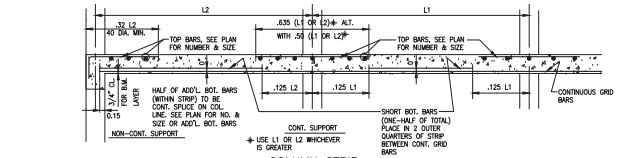


TYPICAL OPENING DETAIL (AT BATHROOM SHAFTS)

SEE MECH. & ARCH. DWGS. FOR LOCATION

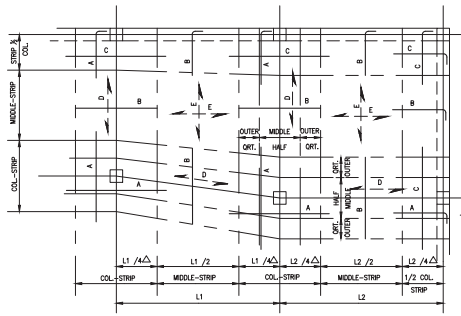


MIDDLE STRIP



COLUMN STRIP

(END STRIP SIMILAR)



MARK	LOCATION
A	COL. STRIP TOP BARS SPACE EVENLY (ALT. LONG & SHORT BARS WITHIN COL. STRIP WIDTH
B	MID-STRIP TOP BARS SPACE EVENLY WITHIN MID-STRIP WIDTH
C	END STRIP TOP BARS SPACE EVENLY WITHIN END-STRIP WIDTH
D	COL. STRIP ADD'L BOT. BARS SPACE IN SAME LAYER & BETWEEN BOT. GRID BARS. HALF OF THESE BARS SHALL BE CONT. & PLACED IN MIDDLE HALF OF STRIP
E	MID-STRIP ADD'L. BOT. BARS SPACE IN SAME LAYER & BETWEEN BOT. GRID BARS. LENGTH TO BE SAME AS SHORT BARS

△ = NOT GREATER THAN THE FOLLOWING

AVG. SPAN IN OTHER DIRECTION

PLAN & ARRANGEMENT OF REINFORCING IN FLAT SLAB

NOTES:
1. COLUMN STRIP & MIDDLE STRIP BOUNDARIES SHOWN ARE TYPICAL EXCEPT AS SHOWN ON PLANS.
2. LENGTH & ARRANGEMENT OF REINF. SHOWN ARE TYPICAL EXCEPT AS SHOWN ON PLANS. HOOK ALL FLAT SLAB BARS AT EDGE OF OPENINGS.
3. ± USE L1 OR L2 WHICHEVER IS GREATER.
4. IN THE CASE OF RE-ENTRANT CORNERS, THE BARS SHALL BE CARRIED THRU INTO THE ADJACENT SLABS AT DIFFERENT ELEV. IN THE CASE OF ADJACENT SLABS AT DIFFERENT EL's THE BARS INVOLVED SHALL BE HOOKED TO MARGINAL MEMBERS.
5. TOP OR BOTTOM REINF. IN FLAT SLABS SHALL BE TOP-MOST OR BOTTOM-MOST RESPECTIVELY IN THE DIRECTION NOTED ON THE PLAN.

FLAT SLAB DETAILS

BASIC BAR DEVELOPMENT SCHED.

BAR SIZE	BASIC DEVELOP LENGTHS IN INCHES			
	LAP SPLICE		EMBEDMENT	
	TENSION ±	COMPRESSION	TENSION ±	COMPRESSION
#3	20	12	12	8
#4	20	15	12	11
#5	26	19	15	14
#6	33	23	19	17
#7	45	26	26	19
#8	59	30	35	22
#9	74	34	44	25
#10	95	38	56	28
#11	116	42	68	31
#14	NOT PERMITTED		93	37
#18	NOT PERMITTED		120	50

NOTES:
1. ± INCREASE BASIC TENSION DEVELOPMENT LENGTH BY 40% FOR TOP REINF. IN TENSION. TOP REINF. IS HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
2. FOR LIGHTWEIGHT CONCRETE INCREASE ALL LENGTHS NOTED ABOVE

TEMPERATURE REINF. IN ONE WAY SLABS

SLAB THICKNESS	REINF.	SLAB THICKNESS	REINF.
4"	#3 @ 12"	7"	#4 @ 14"
5"	#3 @ 11"	8"	#4 @ 12"
5 1/2"	#3 @ 10 1/2"	9"	#4 @ 11"
6"	#3 @ 9"		

NOTES:
1. FOR 1/2" SLABS NOT SHOWN USE REINF. OF NEXT LARGEST SLAB.
2. TIE DISTRIBUTION REINF. TO MAIN REINFORCEMENT.

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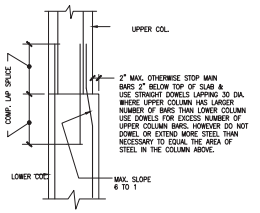
DRAWING TITLE

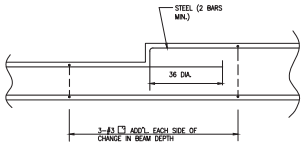
TYPICAL SUPERSTRUCTURE DETAILS-1

DATE: 9/30/15
PROJ NO.
SCALE: AS NOTED
DWG NO. S-200
SHEET OF

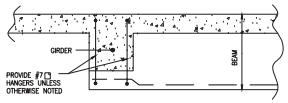
NYC DOB NUMBER



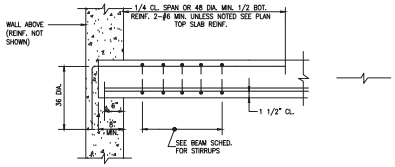
TYPICAL COLUMN STEEL BENDING



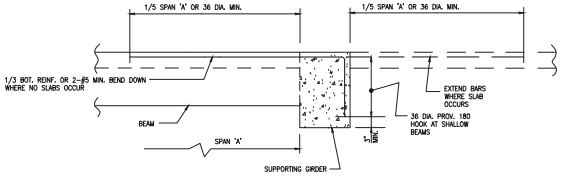
TYPICAL DETAIL FOR CHANGE IN BM. DEPTH



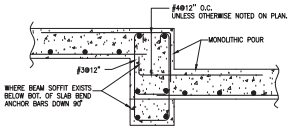
TYPICAL DETAIL–SHALLOW GIRDER CARRYING DEEPER BEAM



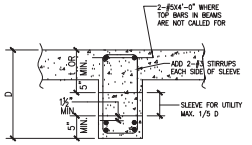
CONC. BEAM FRAMING INTO CONCRETE WALL



TOP REINF. AT NON–CONTINUOUS END OF CONC. BEAMS FRAMING INTO CONC. GIRDERS



TYPICAL DETAIL WHERE SLAB FRAMES IN BELOW TOP OF BEAM



NOTE: FOR SLEEVES NOT COMPLYING WITH ABOVE, APPROVAL OF THE ENGINEER IS REQUIRED

TYPICAL DETAIL FOR SLEEVE THRU CONCRETE BEAM

BEAMS AND GIRDERS:

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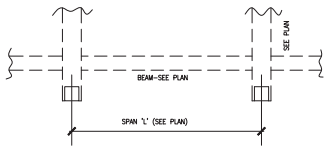

EXAMPLE:

REINF. AREA = 24X24 X (0.02) = 11.52 SQ. IN²
GIRDER SIZE, PERCENTAGE OF STEEL

TOTAL REINF. WT. = 11.52 X 3.4 X 28' = 1097 LBS. FOR GIRDER
CONSTANT NUMBER, SPAN

SLABS:

2. IN AREAS WHERE SLAB REINFORCEMENT IS NOT SHOWN ON DWGS. &/OR NOT COVERED BY REINFORCING NOTES PROVIDE 6 LBS. OF REINFORCING STEEL PER SQ. FT. OF SLAB FOR THAT AREA.
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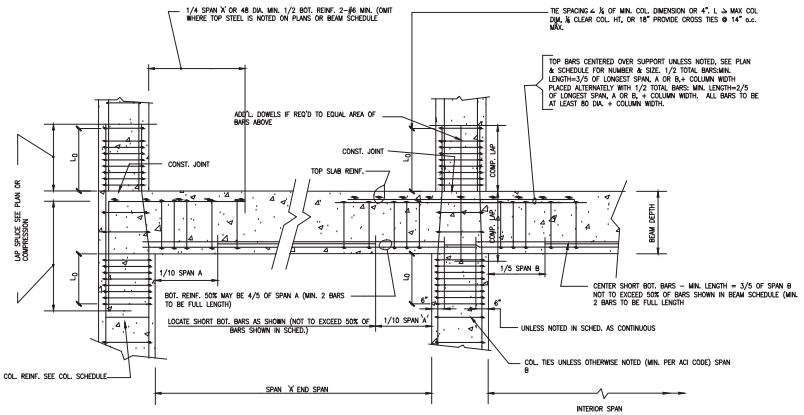
METHOD OF DETERMINING THE QUANITY OF REINFORCING STEEL FOR COST ESTIMATING (UNLESS ALREADY SHOWN ON PLAN &/OR NOTED)



NON – CONTINUOUS SUPPORT

NOTE:
SCHEDULED CONTINUOUS TOP BARS TO BE IN ADDITION TO TOP BARS SHOWN ON PLANS. CONTINUOUS TOP BARS TO BE SPLICED AT MID–SPAN. CONTINUOUS BOT. BARS TO BE SPLICED AT SUPPORT (COL. OR BEAM). LAPS OF CONT. BARS AT SPLICES TO BE 36 BAR DIAMETERS

Sydney House
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175 VARICK STREET, 8TH FLOOR
NEW YORK, NY 10014
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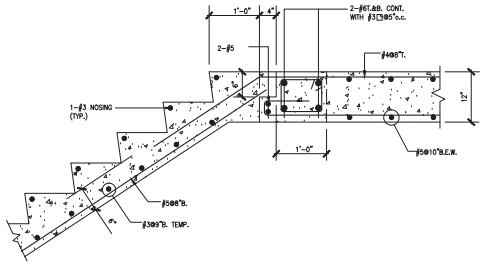
DRAWING TITLE

TYPICAL SUPERSTRUCTURE DETAILS–2

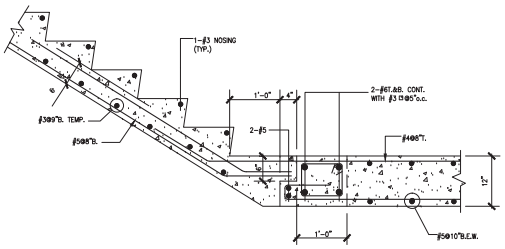
DATE: 9/30/15
PROJ NO.
SCALE: AS NOTED
DWG NO. S–201
SHEET OF

NYC DOB NUMBER



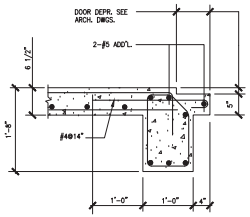
SECTION T1

1"=1'-0"



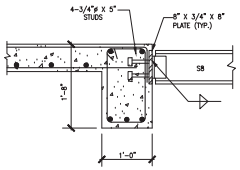
SECTION T2

1"=1'-0"



SECTION T3

1"=1'-0"



SECTION T4

1"=1'-0"

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DRAWING TITLE

TYPICAL SUPERSTRUCTURE DETAILS–3

DATE: 9/30/15
PROJ NO:
SCALE: AS NOTED
DWG NO: S–202
SHEET OF

NYC DOB NUMBER

GENERAL NOTES:

L E G E N D

SYMBOL	DESCRIPTION
B.	BOTTOM
B.M.	BOTTOM MOST
B.S.	BOTH SIDES
CANT.	CANTILEVER
CONT.	CONTINUOUS
E.F.	EACH FACE
E.W.	EACH WAY
F.L.	FULL LENGTH
I.F.	INSIDE FACE
N–S	NORTH–SOUTH DIRECTION
O.F.	OUTSIDE FACE
SIM.	SIMILAR
T.	TOP
T.O.C.	TOP OF CONCRETE
T.O.STL.	TOP OF STEEL
T.M.	TOP MOST
B.O.STL.	BOTTOM OF STEEL

SYMBOL	DESCRIPTION
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
VAR.	VARIES
V.I.F.	VERIFY IN FIELD
W.S.	WATER STOP
W.W.F.	WELDED WIRE FABRIC
GR. BM.	GRADE BEAM
	COLUMN ABOVE THIS LEVEL
	INTERRUPTED COLUMN
	COLUMN BELOW THIS LEVEL

GENERAL

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE.
2. ALL CONSTRUCTION SHALL BE UNDER NEW YORK CITY SPECIAL INSPECTION REQUIREMENTS.
3. COORDINATE ALL WORK OF THESE DRAWINGS WITH WORK REQUIRED ON ARCHITECTURAL AND MECHANICAL DRAWINGS.

FOUNDATION:

1. FOR GEOTECHNICAL INFORMATION SEE REPORT DATED . . . . PENDING.
2. EXCAVATION.
   a. EXCAVATION SHALL COMPLY WITH NYC BUILDING CODE SECTIONS BC3304 AND 3309.
   b. PROVIDE START OF WORK NOTIFICATION TO THE NYC DEPARTMENT OF BUILDINGS, IN ACCORDANCE WITH SECTION BC 3304.3.1, 24 HOURS MINIMUM AND 48 HOURS MAXIMUM PRIOR TO COMMENCEMENT OF WORK.
   c. PROVIDE WRITTEN NOTIFICATION TO ADJACENT PROPERTY OWNER OF START OF EXCAVATION, IN ACCORDANCE WITH SECTION BC 3304.3.2, NOT LESS THAN TEN DAYS PRIOR TO SCHEDULED START DATE FOR EXCAVATIONS TO A DEPTH OF FIVE FEET OR GREATER WITHIN TEN FEET OF ADJACENT OR FOR DEPTH GREATER THAN TEN FEET ANYWHERE ON THE SITE.
   d. PROVIDE A CONSTRUCTION FENCE IN ACCORDANCE WITH SECTION BC 3307.7.
   e. SUPPORT SIDES OF EXCAVATION THAT ARE FIVE FEET OR GREATER IN DEPTH. WHERE POSSIBLE SLOPE SIDES OF EXCAVATION NO STEEPER THAN 45 DEGREES, PROVIDED SUCH SLOPE DOES NOT ENDANGER ANY STRUCTURE. PROTECT SLOPES AS NECESSARY IN EVENT OF RAINSTORM OR OTHER HAZARDOUS CONDITIONS. WHERE SIDES OF EXCAVATION CANNOT BE SLOPED, PROVIDE SHORING, BRACING AND SHEETING AS REQUIRED.
3. FOR EXCAVATION AND INSTALLATION OF FOUNDATION WORK THE CONTRACTOR SHALL PROVIDE ALL SHEETING AND SHORING AS REQUIRED TO PREVENT MOVEMENT AND INSURE THE INTEGRITY OF ANY EXISTING UTILITY LINES WHICH ARE TO REMAIN.
4. CONTRACTOR TO PROVIDE FOR REMOVAL OF BELOW GRADE OBSTRUCTIONS SUCH AS EXISTING ABANDONED FOUNDATIONS AS NECESSARY FOR PLACEMENT OF NEW FOUNDATION.
5. WHERE FILL IS REQUIRED BELOW SLAB ON GROUND, IT SHALL BE COMPOSED OF WELL GRADED MATERIAL CONFORMING TO JOB SPECIFICATIONS AND PLACED IN 6" LAYERS. EACH LAYER TO BE MECHANICALLY COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY PROCTOR TESTS. COMPACTION OF SUBGRADE TO BE VERIFIED IN FIELD BY A QUALIFIED SOILS LAB REPRESENTATIVE DESIGNATED BY THE OWNER.

CONCRETE

1. ALL CONCRETE SHALL CONFORM TO THE LATEST EDITION OF THE NYC BUILDING CODE.
2. REINFORCED CONCRETE IN THE FOUNDATION (I.E. FOUNDATION WALLS, GRADE BEAM CAPS, PIER & SLAB ON GROUND) AND SUPERSTRUCTURE SHALL BE OF NATURAL AGGREGATES CONFORMING TO ASTM C–33 AND SHALL DEVELOP A COMPRESSIVE STRENGTH OF 4000 PSI @ 28 DAYS UNLESS OTHERWISE NOTED.
3. REINFORCEMENT SHALL BE HIGH TENSILE GRADE DEFORMED BARS CONFORMING TO ASTM A–615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A–185.
4. SUBMIT FOR REVIEW CONCRETE DESIGN MIX SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
5. CALCIUM CHLORIDE ADMIXTURES OR ADMIXTURES CONTAINING CHLORIDE SALTS SHALL NOT BE ADDED TO THE CONCRETE.
6. FOLLOW A.C.I. RULES AS TO STIRRUPS, ANCHORAGE, TEMPERATURE REINFORCEMENT AND SPACING OF BARS IN BEAMS UNLESS OTHERWISE NOTED.
7. PROVIDE SUPPORTS FOR REINFORCEMENT IN ACCORDANCE WITH A.C.I. STANDARDS.
8. ALL CONCRETE EXPOSED TO THE WEATHER TO BE AIR ENTRAINED AND SHALL CONFORM TO ASTM C–260.
9. REINFORCING BARS SPLICED AT POINTS OF STRESS TO BE LAPPED A MINIMUM OF 40 DIAMETER UNLESS OTHERWISE NOTED.
10. CONTINOUS TOP REINFORCEMENT IN BEAM TO BE TIED INDIVIDUALLY TO BOTTOM REINFORCEMENT WITH A MINIMUM OF #4 @ 12 TIES.
11. MINIMUM BEARING SHALL BE 8" FOR BEAMS AND 4" FOR SLABS, EXCEPT AS NOTED OTHERWISE.
12. BAR LENGTHS INDICATED ON PLANS DO NOT INCLUDE HOOKS OR BEND UNLESS OTHERWISE NOTED.
13. ALL UPSET BEAMS TO BE POURED MONOLITHICALLY WITH SLABS.
14. OPENINGS IN SLAB FOR UTILITIES NOT SHOWN ON PLANS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER IF THE AREA OF THE OPENING EXCEEDS 1'–0"X 1'–0", IF THE AREA IS LESS THAN 1 SQ. FT., REINFORCING BARS OCCURRING AT THE OPENINGS SHALL BE SHIFTED TO THE SIDES. (DO NOT CUT REINFORCING BARS.)
16. ALL CONCRETE FILL AREAS (INCLUDING FILL FOR METAL PAN STAIRS) ARE TO BE REINFORCED WITH WELDED WIRE FABRIC (6X6 10/10 OR EQUAL).
17. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, EQUIPMENT AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL AND MECHANICAL DRAWINGS.

SPECIAL INSPECTION ITEMS:

1. CONCRETE – CAST–IN–PLACE		BC 1704.4
2. SOIL – SITE PREPARATION		BC 1704.7.1
3. SOIL – FILL PLACEMENT & IN–PLACE DENSITY		BC 1704.7.2, BC 1704.7.3
4. SOIL – INVESTIGATIONS (BORINGS/TEST PITS)	TR4	BC 1704.7.4
5. CONCRETE TEST CYLINDERS	TR2	BC 1905.6
6. CONCRETE DESIGN MIX	TR3	BC 1905.3

PROGRESS INSPECTION ITEMS

1. FOOTING AND FOUNDATION	BC 109.3.1

MASONRY

1. ALL MASONRY WORK SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 21 OF THE NYS BUILDING CODE
2. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C–90 AND SHALL HAVE A MINIMUM NET AREA COMPRESSIVE OF 1900 PSI.
3. MORTAR FOR MASONRY SHALL BE TYPE 'S' CONFORMING TO ASTM C–270. MORTAR COLOR FOR EXPOSED MASONRY TO CONFORM TO ARCHITECTURAL DRAWINGS.
4. GROUT SHALL CONFORM TO ASTM C–476.
5. NET AREA COMPRESSIVE STRENGTH OF MASONRY, $f'm$ = 1500 PSI.
6. NO AIR ENTRAINING ADMIXTURES SHALL BE USED IN MORTAR. CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED IN MORTAR OR GROUT.
7. REINFORCING BARS FOR REINFORCED MASONRY SHALL BE IN ACCORDANCE WITH ASTM A–615 GRADE 60.
8. GROUT FOR FILLING REINFORCED AND NON–REINFORCED CELLS SHALL BE FLUID AND PLACED BY ACCEPTABLE GROUTING PROCEDURES. GROUT SHALL BE PLACED IN MAXIMUM 4 FOOT LIFTS AND CONSOLIDATED IN PLACE BY VIBRATING OR OTHER METHODS WHICH INSURE COMPLETE FILLING OF THE CELLS. ALL CELLS CONTAINING REINFORCING, ANCHOR BOLTS OR WALL ANCHORS SHALL BE FULLY GROUTED.
9. ALL MASONRY SHALL BE CONSTRUCTED IN RUNNING BOND WIND FULL BED MORTAR AND FLUSH JOINTS.
10. AT AREAS OF WALLS CARRYING CONCENTRATED LOADS, FILL VOIDS SOLID WITH GROUT FOR 16 INCHES EACH SIDE UNLESS NOTED OTHERWISE.
11. PROVIDE 1–#5 VERTICAL REINFORCING BARS AT ENDS AND AT EACH SIDE OF CORNERS OF WALLS, AT EACH SIDE OF OPENINGS AND AT 2'–8" O.C. UNLESS OTHERWISE NOTED.
12. PROVIDE U–BLOCK FOR HORIZONTAL REINFORCING BARS AS FOLLOWS UNLESS OTHERWISE NOTED: 2–#4 TOP AND BOTTOM OF WALL OPENINGS EXTENDED NOT LESS THAN 24 INCHES PAST EACH EDGE OF THE OPENING, 2–#4 CONTINUOUS AT ROOF/FLOOR LEVELS AND AT TOP OF WALLS.
13. PROVIDE STANDARD DUR–O–WALL TRUSS REINFORCING AT 16 INCHES O.C. FOR FULL HEIGHT OF WALL.
14. FOR MASONRY OPENINGS UP TO 4'–0" WIDE PROVIDE BOND BEAM 8" U–BLOCK WITH 2–#4 TOP AND BOTTOM CONTINUOUS. BOND BEAMS TO HAVE 8" BEARING EACH END. EXTEND TOP BARS 2'–0" PAST EACH EDGE OF OPENING.

DESIGN CRITERIA

OCCUPANCY CATEGORY: (II)

ROOF SNOW LOAD:

- GROUND SNOW LOAD, Pg = 20 PSF
- FLAT ROOF SNOW LOAD, Pf = 20 PSF
- SPECIFIED SNOW LOAD = 30 PSF
- SNOW EXPOSURE FACTOR, Ce = 1.0
- SNOW LOAD IMPORTANCE FACTOR, Is = 1.0
- THERMAL FACTOR, C^t = 1.0

WIND LOAD:

- BASIC WIND SPEED = 98 MPH
- WIND IMPORTANCE FACTOR, Iw = 1.0
- EXPOSURE CATEGORY = B
- PRODUCT OF INTERNAL PRESSURE COEFFICIENT & GUST EFFECT FACTOR GCpi =± 0.18
- DESIGN WIND PRESSURE FOR THE MAIN WIND FORCE RESISTING SYSTEM (MWFRS): Ps = PSF

COMPONENTS & CLADDING PRESSURE (EFFECTIVE AREA = 20 SFT)

ROOF:
- INTERIOR ZONE: – PSF
- END ZONE: – PSF
- CORNER ZONE: – PSF

WALL:
- INTERIOR ZONE: – PSF
- END ZONE: – PSF

EARTHQUAKE DESIGN DATA:
(SUBJECT TO MODIFICATION PENDING GEOTECH REPORT)

- SEISMIC USE GROUP = I
- SEISMIC IMPORTANCE FACTOR, Ie = 1.0
- MAPPED SPECTRAL ACCELERATION FOR SHORT PERIOD, Ss = 0.281 g
- MAPPED SPECTRAL ACCELERATION FOR 1 SECOND PERIOD, S_1 = 0.073 g
- SITE CLASS = D
- SPECTRAL RESPONSE COEFFICIENTS: SDs = 0.294 g, SD_1 = 0.117 g
- SEISMIC DESIGN CATEGORY = B

Sydney House
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.
10.29.2015	1	DESIGN DEVELOPMENT SET

REVISION	NO.	DESC.

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DRAWING TITLE

GENERAL NOTES

DATE: 9/30/15
PROJ NO:
SCALE: AS NOTED
DWG NO: S–300
SHEET OF

NYC DOB NUMBER

APPENDIX 2

Soil/Materials Management Plan

APPENDIX 2

SOIL/MATERIALS MANAGEMENT PLAN

1.1 SOIL SCREENING METHODS

Visual, olfactory and PID soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the RAR. Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of final signoff by OER.

1.2 STOCKPILE METHODS

Excavated soil from suspected areas of contamination (e.g., hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

1.3 CHARACTERIZATION OF EXCAVATED MATERIALS

Soil/fill or other excavated media that is transported off-Site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-Site will be managed as defined in this plan.

1.4 MATERIALS EXCAVATION, LOAD-OUT AND DEPARTURE

The PE/QEP overseeing the remedial action will:

- oversee remedial work and the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAWP;
- ensure that the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the Site; and
- ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

1.5 OFF-SITE MATERIALS TRANSPORT

Loaded vehicles leaving the Site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will be used. Queuing of trucks will be performed on-Site, when possible in order to minimize off Site disturbance. Off-Site queuing will be minimized. The outbound truck transport route will be provided in the Stipulation letter.

This routing takes into account the following factors: (a) limiting transport through residential

areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

1.6 MATERIALS DISPOSAL OFF-SITE

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Habitat for Humanity to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in Bronx, New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Habitat for Humanity. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RAR.

The Remedial Action Report will include an itemized account of the destination of all material removed from the Site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RAR.

All impacted soil/fill or other waste excavated and removed from the Site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations. Historic fill and contaminated soils taken off-Site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-Site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RAR. A manifest system for off-Site transportation of exported materials will be

employed. Manifest information will be reported in the RAR. Hazardous wastes derived from on-Site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

If disposal of soil/fill from this Site is proposed for unregulated disposal (i.e., clean soil removed for development purposes), including transport to a Part 360-16 Registration Facility, a formal request will be made for approval by OER with an associated plan compliant with 6NYCRR Part 360-16. This request and plan will include the location, volume and a description of the material to be recycled, including verification that the material is not impacted by site uses and that the material complies with receipt requirements for recycling under 6NYCRR Part 360. This material will be appropriately handled on-Site to prevent mixing with impacted material.

1.7 MATERIALS REUSE ON-SITE

Soil and fill that is derived from the property that meets the soil cleanup objectives established in this plan may be reused on-Site. The soil cleanup objectives for on-Site reuse are listed in Section 4.2. 'Reuse on-Site' means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to the NYC VCP agreement subject to Engineering and Institutional Controls. The PE/QEP will ensure that reused materials are segregated from other materials to be exported from the Site and that procedures defined for material reuse in this RAWP are followed.

Organic matter (wood, roots, stumps, etc.) or other waste derived from clearing and grubbing of the Site will not be buried on-Site. Soil or fill excavated from the site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms.

1.8 DEMARCATION

After completion of hotspot removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill will be defined by one of three methods: (1) placement of a demarcation layer. The demarcation layer will consist of geosynthetic fencing or equivalent material to be placed on the surface of residual soil/fill to provide an observable reference layer. A description or map of the approximate depth of the demarcation layer will be provided in the SMP; or (2) a land survey of the top elevation of residual soil/fill before the placement of cover

soils, pavement and associated sub-soils, or other materials or structures or, (3) all materials beneath the approved cover will be considered impacted and subject to site management after the remedy is complete. Demarcation may be established by one or any combination of these three methods. As appropriate, a map showing the method of demarcation for the Site and all associated documentation will be presented in the RAR.

This demarcation will constitute the top of the site management horizon. Materials within this horizon require adherence to special conditions during future invasive activities as defined in the Site Management Plan.

1.9 IMPORT OF BACKFILL SOIL FROM OFF-SITE SOURCES

This Section presents the requirements for imported fill materials to be used below the cover layer and within the clean soil cover layer. All imported soils will meet OER-approved backfill and cover soil quality objectives for this Site. The backfill and cover soil quality objectives are listed in Section 4.2.

A process will be established to evaluate sources of backfill and cover soil to be imported to the Site, and will include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the Site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYS DEC.
- All materials received for import to the Site will be approved by a PE/QEP and will be in compliance with provisions in this RAWP. The RAR will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results,

frequency of testing, and a Site map indicating the locations where backfill or soil cover was placed.

Source Screening and Testing

Inspection of imported fill material will include visual, olfactory and PID screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- Trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the Site at designated locations;
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination; and
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a minimum frequency of one sample for every 500 cubic yards of material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the Site.

Recycled concrete aggregate (RCA) will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RAR. A PE/QEP is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

1.10 FLUIDS MANAGEMENT

All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the New York City sewer system will receive prior approval by New York City Department of Environmental Protection (NYC DEP). The NYC DEP regulates discharges to the New York City sewers under Title 15, Rules of the City of New York Chapter 19. Discharge to the New

York City sewer system will require an authorization and sampling data demonstrating that the groundwater meets the City's discharge criteria. The dewatering fluid will be pretreated as necessary to meet the NYC DEP discharge criteria. If discharge to the City sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-Site treatment facility.

Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by New York State Department of Environmental Conservation.

1.11 STORM-WATER POLLUTION PREVENTION

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAWP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence toe anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

1.12 CONTINGENCY PLAN

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYS DEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-Site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER.

Chemical analytical testing will be performed for TAL metals, TCL volatiles and semi-volatiles, TCL pesticides and PCBs, as appropriate.

1.13 ODOR, DUST AND NUISANCE CONTROL

Odor Control

All necessary means will be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying this remedial plan.

Dust Control

Dust management during invasive on-Site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP's responsible for certifying this remedial plan.

Other Nuisances

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during Site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

APPENDIX 3

Construction Health and Safety Plan

CONSTRUCTION HEALTH AND SAFETY PLAN

FOR

SITE REMEDIATION ACTIVITIES

Sydney House
839-843 Tilden Street
Borough of Bronx
New York City, New York

December 2015

ESI File: UB13207.50

Prepared By

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Ecosystems Strategies, Inc.

TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 Purpose

This Construction Health and Safety Plan (CHASP) has been developed to provide the requirements and general procedures to be followed by Ecosystems Strategies, Inc. (ESI) and designated subcontractors while performing remedial construction activities (e.g. excavation of urban fill soils) at the Sydney House site, located at 839-843 Tilden Street in the Williamsbridge section of Bronx, New York. A Site Location Map and a Proposed Remedial Activities Map are attached to this CHASP.

This CHASP describes the responsibilities, training requirements, protective equipment, and standard operating procedures to be utilized by all personnel involved in Site remediation activities. This document is designed to supplement the General Contractor's overall Health and Safety Plan for construction activities and is specifically prepared to address potential impacts associated with known on-site environmental contamination. This CHASP incorporates by reference the applicable Occupational Safety and Health Administration (OSHA) requirements in 29 CFR 1910 and 29 CFR 1926. This CHASP incorporates policies, guidelines, and procedures that have the objective of protecting the health of on-site workers and the surrounding area community during the performance of fieldwork activities by establishing guidelines to minimize exposure to hazards during fieldwork, and by planning for and responding to emergencies.

The requirements and guidelines in this CHASP are based on a review of available information and evaluation of potential on-site hazards. This CHASP will be discussed with Site personnel and will be available on-site for review while work is underway. On-site personnel will report to the Site Safety and Health Officer (SSHO) in matters of health and safety. The on-site project supervisor(s) are responsible for enforcement and implementation of this CHASP.

This CHASP is specifically intended for the conduct of activities within the defined scope of work in specified areas of the Site. Changes in site conditions and future actions that may be conducted at this site may necessitate the modification of the requirements of the CHASP. Although this CHASP can be made available to interested persons for informational purposes, ESI has no responsibility over the interpretations or activities of any other persons or entities other than employees of ESI and designated subcontractors to ESI.

1.2 Site Location and Description

The Site consists of a 17,673-square foot, overall rectangular-shaped parcel located at 839-843 Tilden Street, Borough of Bronx, New York City, New York, identified as New York City tax lot parcel: Block 4671, Lots 2, 3, and 4. The Site has 100 feet of frontage on the northern side of Tilden Street and extends approximately 210 feet to the north. The Site contains two, two-story, residential structures, a storage garage, and a paved parking area. A Site Location Map is provided as an Attachment.

1.3 Work Activities

Environmental investigation activities are detailed in the Remedial Action Plan (RAP) dated December 2015. The specific tasks detailed in the RAP are wholly incorporated by reference into this CHASP. The tasks described in the RAP are proposed to address known and possible environmental conditions at the Site (presence of metals and semi-volatile organic compound [SVOC] contamination associated with on-site fill materials).

The following field tasks will be performed:

- Excavation and removal of urban fill soils; and
- Installation of a vapor barrier within the proposed structure.
- Installation of clean cover soils at portions of the Site that will not be covered by buildings, pavement, or other impermeable surfaces

Any soils that will not remain under the barrier layer must be removed from the Site and be disposed of in accordance with all applicable NYSDEC regulations. A Proposed Site Remediation Map is provided as an Attachment.

2.0 HEALTH AND SAFETY HAZARDS

2.1 Hazard Overview for On-site Personnel

Elevated levels of metals and pesticides and low levels of VOCs and SVOCs (likely to be associated with on-site urban fill and/or historical utilization of the property) are present in on-site soils. The documented metal concentrations are typically encountered in urban settings. These substances are present at levels that may present a health risk during soil disturbance and air-quality sampling activities. General precautions, such as air monitoring for dust and the use of gloves during sampling collection, will be sufficient protective actions.

During the installation of the barrier layer the possibility exists for on-site personnel to contact contaminated soils, dust, and vapor. Contact with contaminated substances may present a skin contact, inhalation, and/or ingestion hazard. Additional potential hazards are addressed in Sections 3.0 through 11.0, and below.

PAHs associated with poor quality fill materials are known to be present in surface and near surface soils. PAHs are compounds that generally occur as complex mixtures and are derived from both natural and non-natural sources, including forest fires, vehicle exhaust, plastics, and building products such as roofing tar and asphalt. They are found throughout the environment in the air, water, and soil. They can occur in the air as vapors or attached to dust particles, in water in a dissolved state or attached to solid particles, or as solids in soil or sediment. The short-term health effects of exposure to PAHs are not well defined. Long-term exposure may lead to the development of cancer. PAHs in Site soils are at levels typically encountered in urban settings but occur at concentrations somewhat above applicable NYSDEC guidance levels.

Elevated levels of metals and pesticides are known to be present in surface and near surface soils. Metals are compounds that occur naturally in soils and are widespread throughout the man-made environment. Most metals are present in quantities and forms that present minimal health risks. Typical materials that present significant potential risks are chips of lead-based paint, lead dust from deteriorated paint and automobile exhaust, and soil impacted by industrial discharges (e.g., sediment in floor drains). They can occur in the air attached to dust particles (or as vapors in specific circumstances), in water in a dissolved state or attached to solid particles, or as solids in soil or sediment. Health effects are variable, are generally dose dependent, and occur over both the short term and the long term. Metal concentrations in Site soils are relatively low and are at levels typically encountered in urban settings; several metals, however, occur at concentrations somewhat above applicable NYSDEC guidance levels.

Routes of exposure for VOCs, PAHs, pesticides, and metals are potentially through inhalation and ingestion during soil disturbance activities. Proper protective actions include:

- Air monitoring for dust and vapors, where appropriate;
- Use of particulate masks and/or air-purifying respirators (if warranted); and,
- Use of gloves for field technicians handling soil.

2.2 Potential Hazards to the Public from Fieldwork Activities

The potential exists for the public to be exposed to contaminated soils, dust, and vapor, which may present a skin contact, inhalation, and/or ingestion hazard. Additional potential hazards to the public that are associated with fieldwork activities include mechanical/physical hazards, traffic hazards from fieldwork vehicles, and noise impacts associated with operation of mechanical equipment.

Impacts to public health and safety are expected to be limited to hazards that could directly affect on-site visitors and/or trespassers. These effects will be mitigated through site access and control measures (see Section 6.0, below). Specific actions will be taken to protect the public health (presented in Sections 3.0 through 11, below) to minimize any potential off-site impacts from contaminant migration, noise, and traffic hazards.

3.0 PERSONAL PROTECTIVE EQUIPMENT

The levels of protection identified for the services specified in the CHASP represent a best estimate of exposure potential and protective equipment needed for that exposure. Determination of levels was based on data provided by previous studies of the Site and current and past Site usage. The SSHO may recommend revisions to these levels based on an assessment of actual exposures.

The level of protective clothing and equipment selected for this project is Level D. Workers will wear Level D protective clothing including, but not limited to, a hard hat, steel-toed boots, latex gloves (when directly handling soils and/or sampling equipment), and safety goggles (when decontaminating equipment). Personal protective equipment (PPE) will be worn at all times, as designated by this CHASP. The requirement for the use of PPE by official on-site visitors shall be determined by the SSHO. All on-site visitors shall, at a minimum, be required to wear an approved hardhat and be provided with appropriate hearing protection as necessary.

The need for an upgrade in PPE will be determined based upon measurements taken in the breathing zone of the work area using a photo-ionization detector (PID) and a digital dust monitor. As outlined in Section 5.0, below, an upgrade to a higher level of protection will begin when PID readings and/or dust levels above specified limits are measured.

If any equipment fails and/or any employee experiences a failure or other alteration of their protective equipment that may affect its protective ability, that person will immediately leave the work area. The Project Manager and the SSHO will be notified and, after reviewing the situation, determine the effect of the failure on the continuation of on-going operations. If the failure affects the safety of personnel, the work site, or the surrounding environment, personnel will be evacuated until appropriate corrective actions have been taken.

4.0 CONTAMINANT CONTROL

Precautions will be taken during dry weather (e.g., wetting or covering exposed soils) to avoid generating and breathing dust from on-site soils. A PID and a digital dust monitor will be used to monitor potential contaminant levels. Response to the monitoring will be in accordance with the action levels provided in Section 5.0.

5.0 MONITORING AND ACTION LEVELS

Concentrations of hydrocarbons (VOCs/SVOCs) and heavy metals in the air are expected to be below the OSHA Permissible Exposure Limits (PELs). Air monitoring will be conducted for VOCs and dust. Monitoring will be conducted during all investigative and soil disturbance activities during testing and construction related work that are likely to generate emissions. PID readings in excess of 5 ppm, and dust levels in excess of 150 $\mu g/m^3$ will be used as an indication of the need to initiate personnel monitoring, increase worker protective measures, and/or modify or cease on-site operations in order to mitigate off-site community exposure.

6.0 SITE ACCESS AND CONTROL

Site control procedures will be established to reduce the possibility of worker/visitor contact with compounds present in the soil, to protect the public in the area surrounding the Site and to limit access to the Site to only those persons required to be in the work zone. Notices will be placed near the Site warning the public not to enter fieldwork areas and directing visitors to report to the Project Manager or SSHO. Measures will be taken to limit the entry of unauthorized personnel into the specific areas of field activity and to safely direct and control all vehicular traffic in and near the Site (e.g., placement of traffic cones and warning tape).

7.0 NOISE CONTROL

All fieldwork activities will be conducted in a manner designed to reduce unnecessary noise generation, and to minimize the potential for both on-site and off-site harmful noise levels. The Project Manager and SSHO will establish noise reduction procedures (as appropriate to the Site and the work) to meet these requirements.

8.0 PERSONNEL TRAINING

Work zones that will accomplish the general objectives stated above will be established by the Project Manager and the SSHO. Site access will be monitored by the SSHO, who will maintain a log-in sheet for personnel that will include, at a minimum, personnel on the Site, their arrival and departure times, and their destination on the Site. All workers will be properly trained in accordance with OSHA requirements (29 CFR 1910). Personnel exiting the work zone(s) will be decontaminated prior to exiting the Site.

Site-specific training will be provided to each employee. Personnel will be briefed by the SSHO as to the potential hazards to be encountered. Topics will include:

- Availability of this CHASP;
- General site hazards and specific hazards in the work areas, including those attributable to known or suspect on-site contaminants;
- Selection, use, testing, and care of the PPE being worn, with the limitations of each;
- Decontamination procedures for PPE, and other equipment used on the Site;
- Emergency response procedures and requirements;
- Emergency alarm systems and other forms of notification, and evacuation routes to be followed; and,
- Methods to obtain emergency assistance and medical attention.

9.0 DECONTAMINATION

The SSHO will establish site-appropriate decontamination system and procedures to prevent potentially hazardous materials from leaving the Site. Site vehicles will be brushed to remove materials adhering to their surfaces. Decontaminated or clean sampling equipment not in use will be covered with plastic and stored in a designated storage area in the work zone.

10.0 EMERGENCY RESPONSE

10.1 Notification of Site Emergencies

In the event of an emergency, the SSHO will be immediately notified of the nature and extent of the emergency (the names and contact information for key site safety and management personnel, as well as other site safety contact telephone numbers, shall be posted at the Site).

Table 1 in this CHASP contains Emergency Response Telephone Numbers, and immediately following is a map detailing the directions to the nearest hospital emergency room. This information will be maintained at the worksite by the SSHO. The location of the nearest telephone will be determined prior to the initiation of on-site activities. In addition to any permanent phone lines, a cellular phone will be available for use on-site.

10.2 Responsibilities

Prior to the initiation of on-site work activities, the SSHO will:

1. Notify individuals, authorities, and/or health care facilities as necessary of the potentially hazardous activities and potential wastes that may develop as a result of the investigation.
2. Confirm that first aid supplies and a fire extinguisher are available on-site.
3. Have a working knowledge of safety equipment available.
4. Confirm that a map detailing the most direct route to the hospital is prominently posted with the emergency telephone numbers.

The SSHO will be responsible for directing notification, response, and follow-up actions and for contacting outside response personnel (ambulance, fire department, or others). In the case of an evacuation, the SSHO will account for personnel. A log of individuals entering and leaving the Site will be kept so that everyone can be accounted for in an emergency.

Upon notification of an exposure incident, the SSHO will contact the appropriate emergency response personnel for recommended medical diagnosis and, if necessary, treatment. The SSHO will determine whether and at what levels exposure actually occurred, the cause of such exposure, and the means to prevent similar incidents from occurring again.

10.3 Accidents and Injuries

In the event of an accident or injury, measures will be taken to assist those who have been injured or exposed and to protect others from hazards. If an individual is transported to a hospital or doctor, a copy of the CHASP will accompany the individual.

The SSHO will be notified and will respond according to the severity of the incident. The SSHO will perform an investigation of the incident and prepare a signed and dated report documenting the investigation. An exposure-incident report will also be completed by the SSHO and the exposed individual. The form will be filed with the employee's medical and safety records to serve as documentation of the incident and the actions taken.

10.4 Communication

No special hand signals will be utilized within the work zone. Field personnel will utilize standard hand signals during the operation of any heavy equipment.

10.5 Safe Refuge

Vehicles will serve as the immediate place of refuge in the event of an emergency. If evacuation from the area is necessary, project vehicles will be used to transport on-site personnel to safety.

10.6 Site Security and Control

Site security and control during emergencies, accidents, and incidents will be monitored by the SSHO. The SSHO is responsible for limiting access to the Site to authorized personnel and for oversight of remediation activities.

10.7 Emergency Evacuation

In case of an emergency, personnel will evacuate to the safe refuge identified by the SSHO, both for their personal safety and to prevent the hampering of response/rescue efforts.

10.8 Resuming Work

A determination that it is safe to return to work will be made by the SSHO and/or any personnel assisting in the emergency, e.g., fire department, police department, utility company, etc. No personnel will be allowed to return to the work areas until a full determination has been made by the above-identified personnel that all field activities can continue unobstructed. Such a determination will depend upon the nature of the emergency (e.g., downed power lines -- removal of all lines from the property; fire -- extinguished fire; etc.). Before on-site work is resumed following an emergency, necessary emergency equipment and supplies will be recharged, refilled, or replaced. Government agencies will be notified as appropriate. An Incident Report Form will be filed.

10.9 Fire Fighting Procedures

A fire extinguisher will be available in the work zone during on-site activities. This extinguisher is intended for small fires. When a fire cannot be controlled with the extinguisher, the area will be evacuated immediately. The SSHO will be responsible for directing notification, response, and follow-up actions and for contacting ambulance and fire department personnel.

10.10 Emergency Decontamination Procedure

The extent of emergency decontamination depends on the severity of the injury or illness and the nature of the contamination. Whenever possible, minimum decontamination will consist of washing, rinsing, and/or removal of contaminated outer clothing and equipment. If time does not permit decontamination, the person will be given first aid treatment and then wrapped in plastic or a blanket prior to transport to medical care.

10.11 Emergency Equipment

The following on-site equipment for safety and emergency response will be maintained in the on-site vehicle of the SSHO: fire extinguisher; first-aid kit; and, extra copy of this CHASP.

11.0 SPECIAL PRECAUTIONS AND PROCEDURES

The activities associated with this investigation may involve potential risks of exposure to both chemical and physical hazards. The potential for chemical exposure to hazardous or regulated substances will be significantly reduced through the use of monitoring, personal protective clothing, engineering controls, and implementation of safe work practices.

11.1 Heavy Equipment

Working in the vicinity of heavy equipment is the primary safety hazard at the Site. Physical hazards in working near heavy construction equipment include the following: overhead hazards, slips/trip/falls, hand and foot injuries, moving part hazards, improper lifting/back injuries, and noise. All workers will be properly trained in accordance with OSHA requirements (29 CFR 1910).

11.2 Open Pits

The creation of open pits is not expected to occur during the remedial activities. In the event that Site conditions require soil excavation activities, no workers will be permitted within any excavated areas without proper personal protective equipment (PPE), including, as warranted, respirators, Tyvek suits and/or gloves. Air monitoring for VOCs will be conducted in accordance with the CHASP. During off-hours, temporary fencing will be erected to prevent unauthorized or accidental access to these areas.

11.3 Heat/Cold Stress

Training in prevention of heat/cold stress will be provided as part of the site-specific training. The timing of this project is such that heat/cold stress may pose a threat to the health and safety of personnel. Work/rest regimens will be employed, as necessary, so that personnel do not suffer adverse effects from heat/cold stress. Special clothing and appropriate diet and fluid intake regimens will be recommended to personnel to further reduce this temperature-related hazard. Rest periods will be recommended in the event of high/low temperatures and/or humidity to counter the negative effects of heat/cold stress.

11.4 Additional Safety Practices

The following are important safety precautions which will be enforced during this investigation:

- Medicine and alcohol can aggravate the effect of exposure to certain compounds. Controlled substances and alcoholic beverages will not be consumed during investigation activities. Consumption of prescribed drugs will only be at the discretion of a physician familiar with the person's work.
- Eating, drinking, chewing gum or tobacco, smoking, or other practices that increase the probability of hand-to-mouth transfer and ingestion of material is prohibited except in areas designated by the SSHO.
- Contact with potentially contaminated surfaces will be avoided whenever possible. Workers will not unnecessarily walk through puddles, mud, or other discolored surfaces; kneel on the ground; or lean, sit, or place equipment on drums, containers, vehicles, or the ground.
- Personnel and equipment in the work areas will be minimized, consistent with effective site operations.
- Unsafe equipment left unattended will be identified by a "DANGER, DO NOT OPERATE" tag.
- Work areas for various operational activities will be established.

11.5 Daily Log Contents

The SSHO will establish a system appropriate to the Site, the work, and the work zones that will record, at a minimum, the following information:

1. Personnel on the Site, their arrival and departure times, and their destination on the Site.
2. Incidents and unusual activities that occur on the Site such as, but not limited to, accidents, spills, breaches of security, injuries, equipment failures, and weather-related problems.
3. Changes to the CHASP.
4. Daily information generated such as: changes to work and health and safety plans; work accomplished and the current Site status; and monitoring results.

12.0 TABLE AND FIGURES

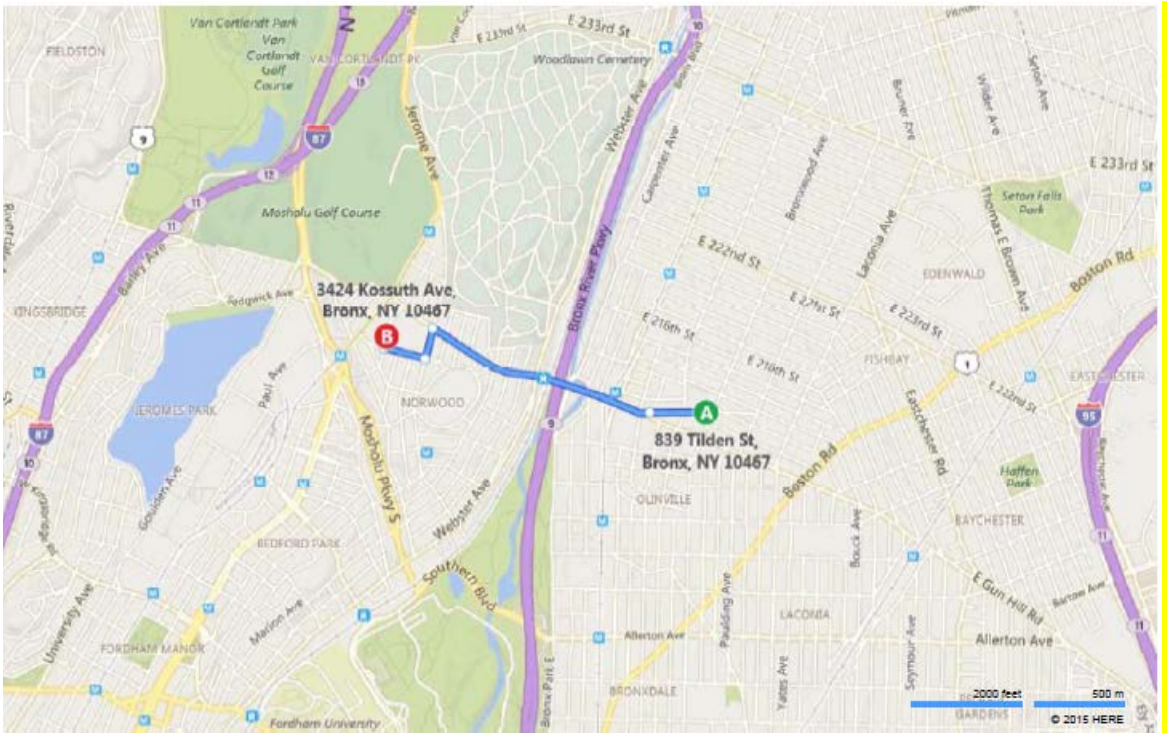
Table 1: Emergency Response Telephone Numbers

Emergency Agencies	Phone Numbers
EMERGENCY	**911**
North Central Bronx Hospital 3424 Kossuth Ave, Bronx, NY 10467	**(718) 519-5000** or 911
New York Police Department	**(212) 678-2432 or 911**
New York City Fire Department	**(917) 597-7937 or 911** **(718) 999-2000 (General Number)**
New York Water & Sewer	**(212) 442-1904**
Qualified Environmental Professional Paul Ciminello, ESI	**(845) 452-1658**

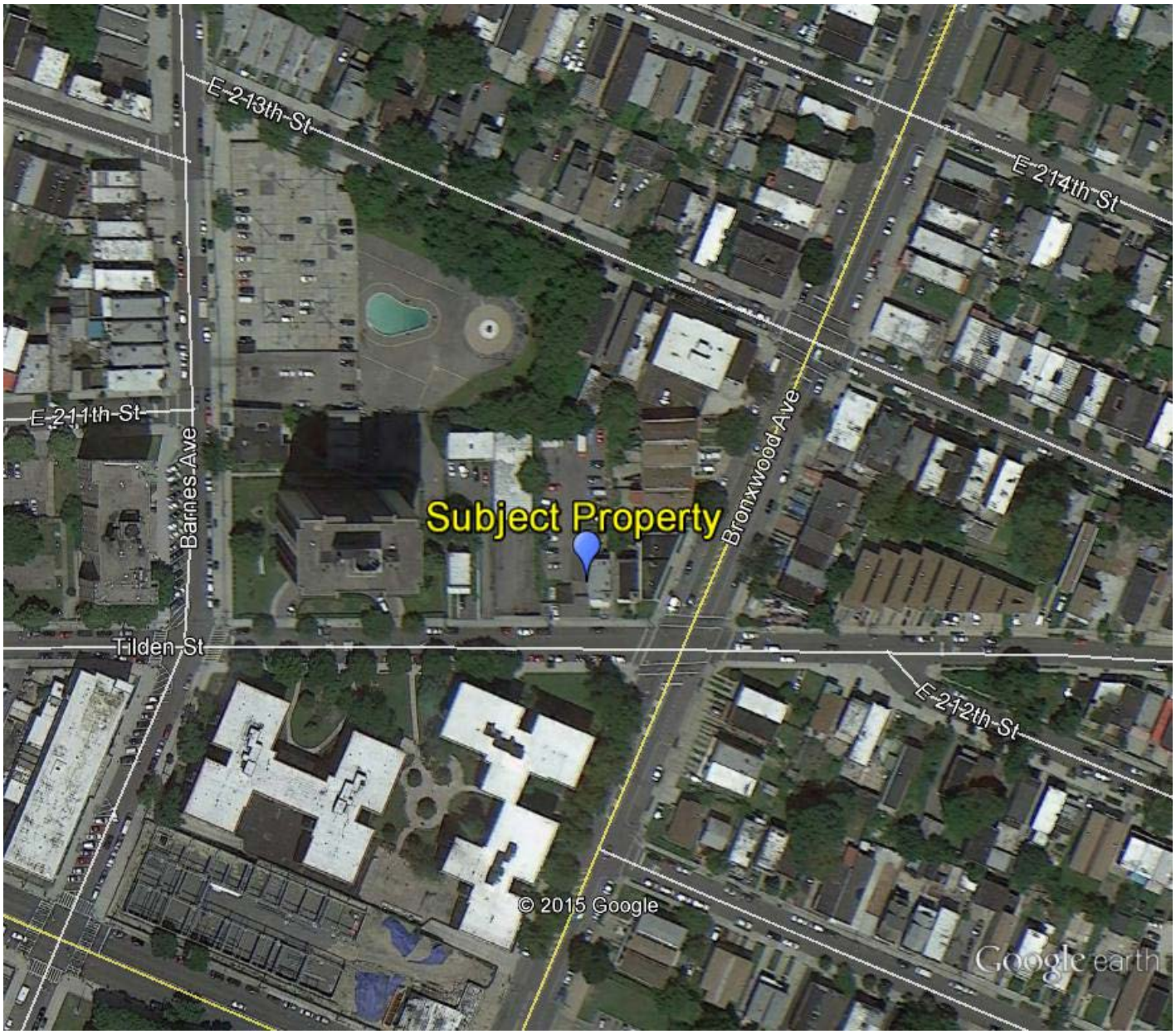
Figure 1: Directions to Hospital

1. 839-843 Tilden St, Bronx, NY 10467
2. Head west on Tilden St toward Barnes Ave - 0.2 mi
3. Turn right onto E Gun Hill Rd - 0.8 mi
4. Turn left onto Bainbridge Ave - 0.1 mi
5. Turn right at the 1st cross street onto E 210th St - 0.1 mi
6. Turn right onto Kossuth Ave - Destination on the right

Figure 2: Map to Hospital (overview)

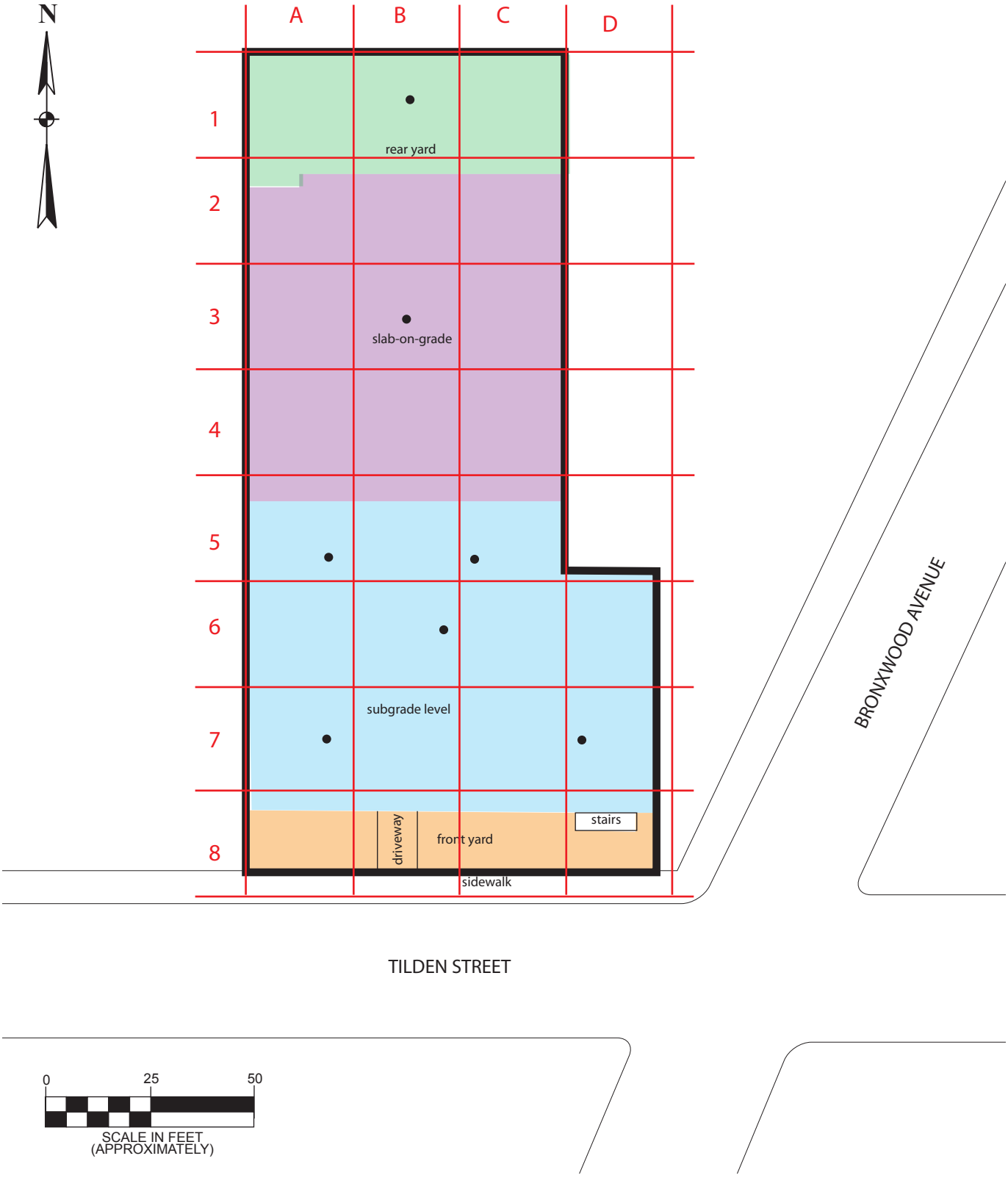


Ecosystems Strategies, Inc.



Site Location Map Sydney House 839-843 Tilden Street Borough of Bronx, New York	N	ESI File: HB15073.50 December 2015 Attachment

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Excavation Area Map

Sydney House
839-843 Tilden Street
Borough of Bronx, New York

Legend:

- subject property border
- proposed post excavation soil sample location

ESI File: HB15073.50
January 2016
Scale as shown
Attachment

APPENDIX 4

Citizen Participation Plan

APPENDIX 4
CITIZEN PARTICIPATION PLAN

The NYC Office of Environmental Remediation and Habitat for Humanity have established this Citizen Participation Plan because the opportunity for citizen participation is an important component of the NYC Voluntary Cleanup Program. This Citizen Participation Plan describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYC VCP, Habitat for Humanity will maintain a repository for project documents and provide public notice at specified times throughout the remedial program. This Plan also takes into account potential environmental justice concerns in the community that surrounds the project Site. Under this Citizen Participation Plan, project documents and work plans are made available to the public in a timely manner. Public comment on work plans is strongly encouraged during public comment periods. Work plans are not approved by the NYC Office of Environmental Remediation (OER) until public comment periods have expired and all comments are formally reviewed. An explanation of cleanup plans in the form of a public meeting or informational session is available upon request to OER's project manager assigned to this Site, Sarah Pong, who can be contacted about these issues or any others questions, comments or concerns that arise during the remedial process at (212) 788-8841.

Project Contact List. OER has established a Site Contact List for this project to provide public notices in the form of fact sheets to interested members of the Community. Communications will include updates on important information relating to the progress of the cleanup program at the Site as well as to request public comments on the cleanup plan. The Project Contact List includes owners and occupants of adjacent buildings and homes, principal administrators of nearby schools, hospitals and day care centers, the public water supplier that serves the area, established document repositories, the representative Community Board, City Council members, other elected representatives and any local Brownfield Opportunity Area (BOA) grantee organizations. Any member of the public or organization will be added to the Site Contact List on request. A copy of the Site Contact List is maintained by OER's project manager. If you would like to be added to the Project Contact List, contact NYC OER at (212) 788-8841 or by email at brownfields@cityhall.nyc.gov.

Repositories. A document repository is maintained online. Internet access to view OER's document repositories is available at public libraries. This document repository is intended to house, for community review, all principal documents generated during the cleanup program including Remedial Investigation plans and reports, Remedial Action work plans and reports, and all public notices and fact sheets produced during the lifetime of the remedial project. The library nearest the Site is:

New York Public Library
Allerton Branch
Address: 2740 Barnes Avenue, Bronx, NY 10467
Telephone Number: (718) 881-4240
Hours of Operation:

Mon	10:00 AM - 6:00 PM
Tue	10:00 AM - 6:00 PM
Wed	11:00 AM - 7:00 PM
Thu	10:00 AM - 6:00 PM
Fri	10:00 AM - 5:00 PM
Sat	10:00 AM - 5:00 PM
Sun	closed

Digital Documentation. NYC OER strongly encourages the use of digital documents in our repository as a means of minimizing paper use while also increasing convenience in access and ease of use.

Identify Issues of Public Concern. The major issues of concern to the public will be potential impacts of nuisance odors and dust during the disturbance of historic fill soils at the Site. This work will be performed in accordance with procedures which will be specified under a detailed Remedial Program which considers and takes preventive measures for exposures to future residents of the property and those on adjacent properties during construction. Detailed plans to monitor the potential for exposure including a Construction Health and Safety Plan and a

Community Air Monitoring Plan are required components of the remedial program. Implementation of these plans will be under the direct oversight of the New York City Department of Environmental Remediation (NYCOER).

These plans will specify the following worker and community health and safety activities during remedial activity at the Site:

- On-Site air monitoring for worker protection,
- Perimeter air monitoring for community protection.

The Health and Safety Plan and the Community Air Monitoring Plan prepared as part of the Remedial Action Work Plan will be available for public review at the document repository.

Public Notice and Public Comment. Public notice to all members of the Project Contact List is required at three major steps during the performance of the cleanup program (listed below) and at other points that may be required by OER. Notices will include Fact Sheets with descriptive project summaries, updates on recent and upcoming project activities, repository information, and important phone and email contact information. All notices will be prepared by Habitat for Humanity, reviewed and approved by OER prior to distribution and mailed by Habitat for Humanity. Public comment is solicited in public notices for all work plans developed under the NYC Voluntary Cleanup Program. Final review of all work plans by OER will consider all public comments. Approval will not be granted until the public comment period has been completed.

Citizen Participation Milestones. Public notice and public comment activities occur at several steps during a typical NYC VCP project. See flow chart on the following page, which identifies when during the NYC VCP public notices are issued: These steps include:

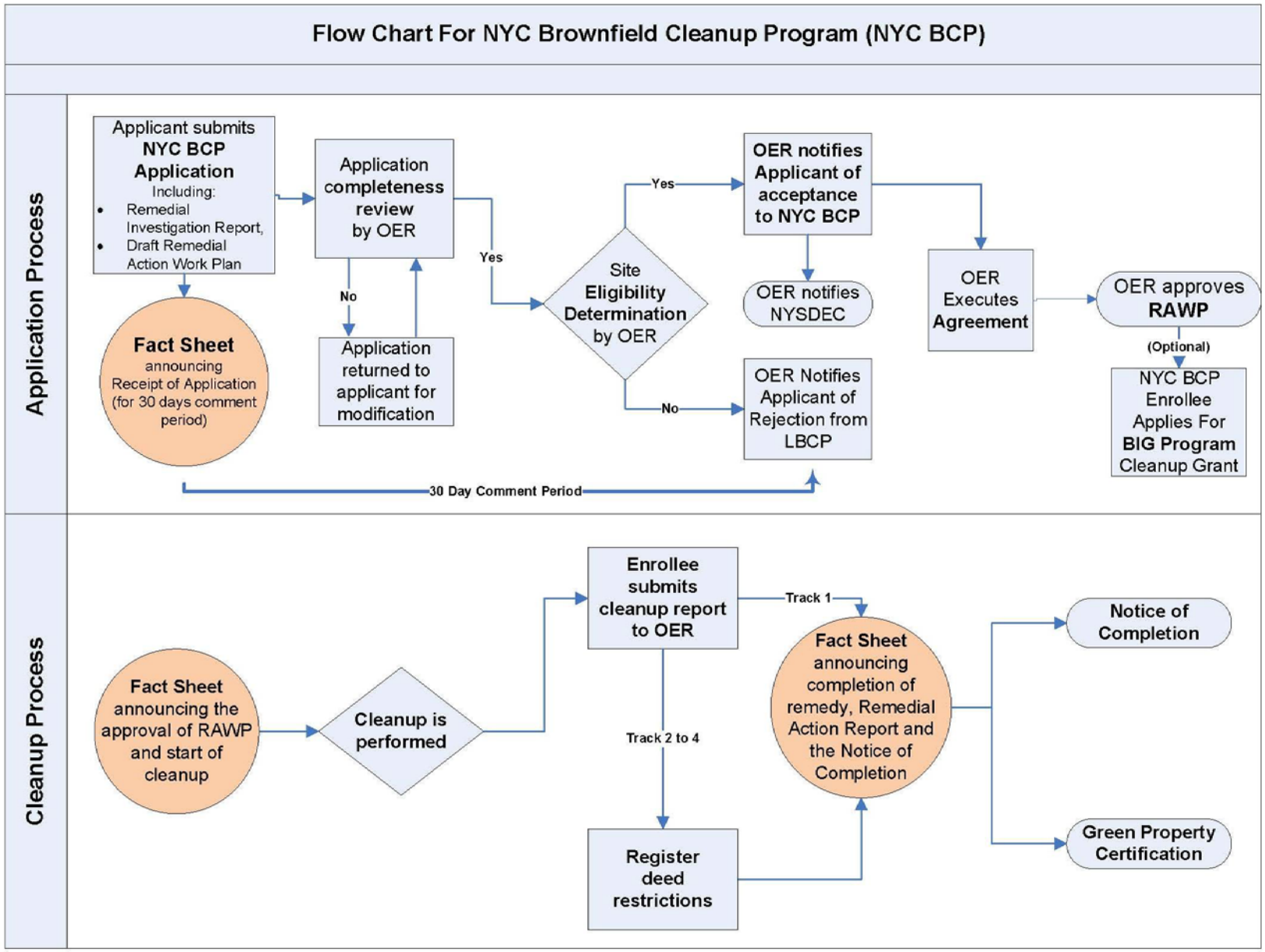
- **Public Notice of the availability of the Remedial Investigation Report and Remedial Action Work Plan and a 30-day public comment period on the Remedial Action Work Plan.**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the availability of the Remedial Investigation Report and Remedial

Action Work Plan and the initiation of a 30-day public comment period on the Remedial Action Work Plan. The Fact Sheet summarizes the findings of the RIR and provides details of the RAWP. The public comment period will be extended an additional 15 days upon public request. A public meeting or informational session will be conducted by OER upon request.

- **Public Notice announcing the approval of the RAWP and the start of remediation**
  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the approval of the RAWP and the start of remediation.

- **Public Notice announcing the completion of remediation, designation of Institutional and Engineering Controls and issuance of the Notice of Completion**
  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the completion of remediation, providing a list of all Institutional and Engineering Controls implemented for to the Site and announcing the issuance of the Notice of Completion


Flow Chart For NYC Brownfield Cleanup Program (NYC BCP)
Application Process
Applicant submits NYC BCP Application
Including:
Remedial Investigation Report,
Draft Remedial Action Work Plan
Fact Sheet announcing Receipt of Application (for 30 days comment period)
Application completeness review by OER
No
Application returned to applicant for modification
Yes
Site Eligibility Determination by OER
Yes
OER notifies Applicant of acceptance to NYC BCP
OER notifies NYSDEC
No
OER Notifies Applicant of Rejection from LBCP
OER Executes Agreement
OER approves RAWP
(Optional)
NYC BCP Enrollee Applies For BIG Program Cleanup Grant
30 Day Comment Period
Cleanup Process
Fact Sheet announcing the approval of RAWP and start of cleanup
Cleanup is performed
Enrollee submits cleanup report to OER
Track 1
Track 2 to 4
Fact Sheet announcing completion of remedy, Remedial Action Report and the Notice of Completion
Register deed restrictions
Notice of Completion
Green Property Certification

APPENDIX 5

Sustainability Statement

APPENDIX 5
SUSTAINABILITY STATEMENT

This Sustainability Statement documents sustainable activities and green remediation efforts planned under this remedial action.

Reuse of Clean, Recyclable Materials and Reduced Consumption of Non-Renewable Resources. Reuse of clean, locally-derived recyclable materials reduces consumption of non-renewable virgin resources and can provide energy savings and greenhouse gas reduction.
An estimate of the quantity (in tons) of clean, non-virgin materials (reported by type of material) reused under this plan will be quantified and reported in the RAR.

Reduced Energy Consumption and Promotion of Greater Energy Efficiency. Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings.
Best efforts will be made to quantify energy efficiencies achieved during the remediation and will be reported in the Remedial Action Report (RAR). Where energy savings cannot be easily quantified, a gross indicator of the amount of energy saved or the means by which energy savings was achieved will be reported.

Conversion to Clean Fuels. Use of clean fuel improves NYC's air quality by reducing harmful emissions.
An estimate of the volume of clean fuels used during remedial activities will be quantified and reported in the RAR.

Recontamination Control. Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a property that is less protective of public health or the environment, and may necessitate additional cleanup work later or impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of contamination from off-Site.
An estimate of the area of the Site that utilizes recontamination controls under this plan will be reported in the RAR in square feet.

Stormwater Retention. Stormwater retention improves water quality by lowering the rate of combined stormwater and sewer discharges to NYC's sewage treatment plants during periods of precipitation, and reduces the volume of untreated influent to local surface waters.
An estimate of the enhanced stormwater retention capability of the redevelopment project will be included in the RAR.

Linkage with Green Building. Green buildings provide a multitude of benefits to the city across a broad range of areas, such as reduction of energy consumption, conservation of resources, and reduction in toxic materials use.
The number of Green Buildings that are associated with this brownfield redevelopment property will be reported in the RAR. The total square footage of green building space created as a function of this brownfield redevelopment will be quantified for residential, commercial and industrial/manufacturing uses.

Paperless Voluntary Cleanup Program. Habitat for Humanity is participating in OER's Paperless Voluntary Cleanup Program. Under this program, submission of electronic documents will replace submission of hard copies for the review of project documents, communications and milestone reports.

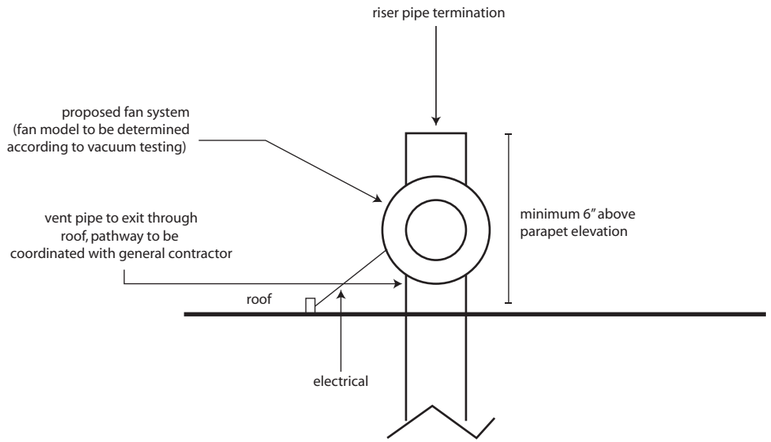
Low-Energy Project Management Program. Habitat for Humanity is participating in OER's low-energy project management program. Under this program, whenever possible, meetings are held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation.

Trees and Plantings. Trees and other plantings provide habitat and add to NYC's environmental quality in a wide variety of ways. Native plant species and native habitat provide optimal support to local fauna, promote local biodiversity, and require less maintenance.
An estimate of the land area that will be vegetated, including the number of trees planted or preserved, will be reported in square feet in the RAR.

APPENDIX 6

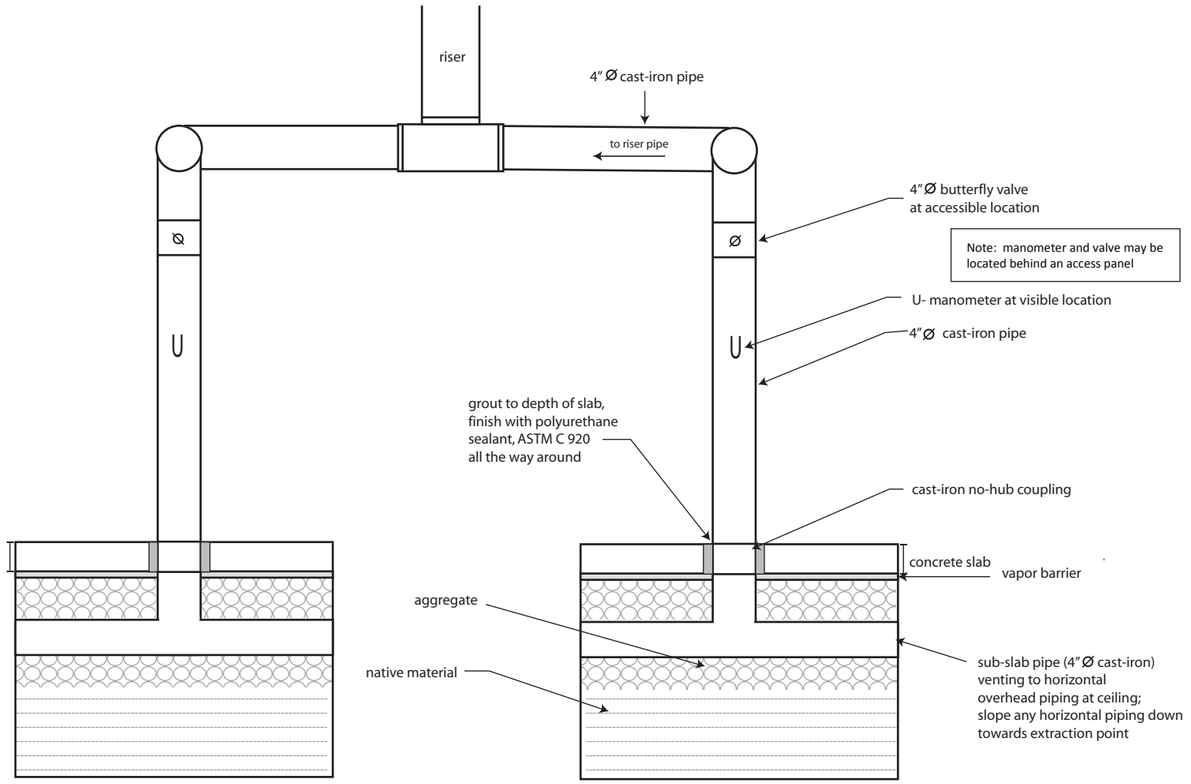
Sub-slab Depressurization System Diagrams

DETAIL #1 - ROOF PENETRATION AND RISER PIPE TERMINATION



Note: Fan should be wired by a NYC licensed electrician

DETAIL #2 - SUB-SLAB PENETRATION POINT - CROSS-SECTION
(at portion of cellar with lower elevation)

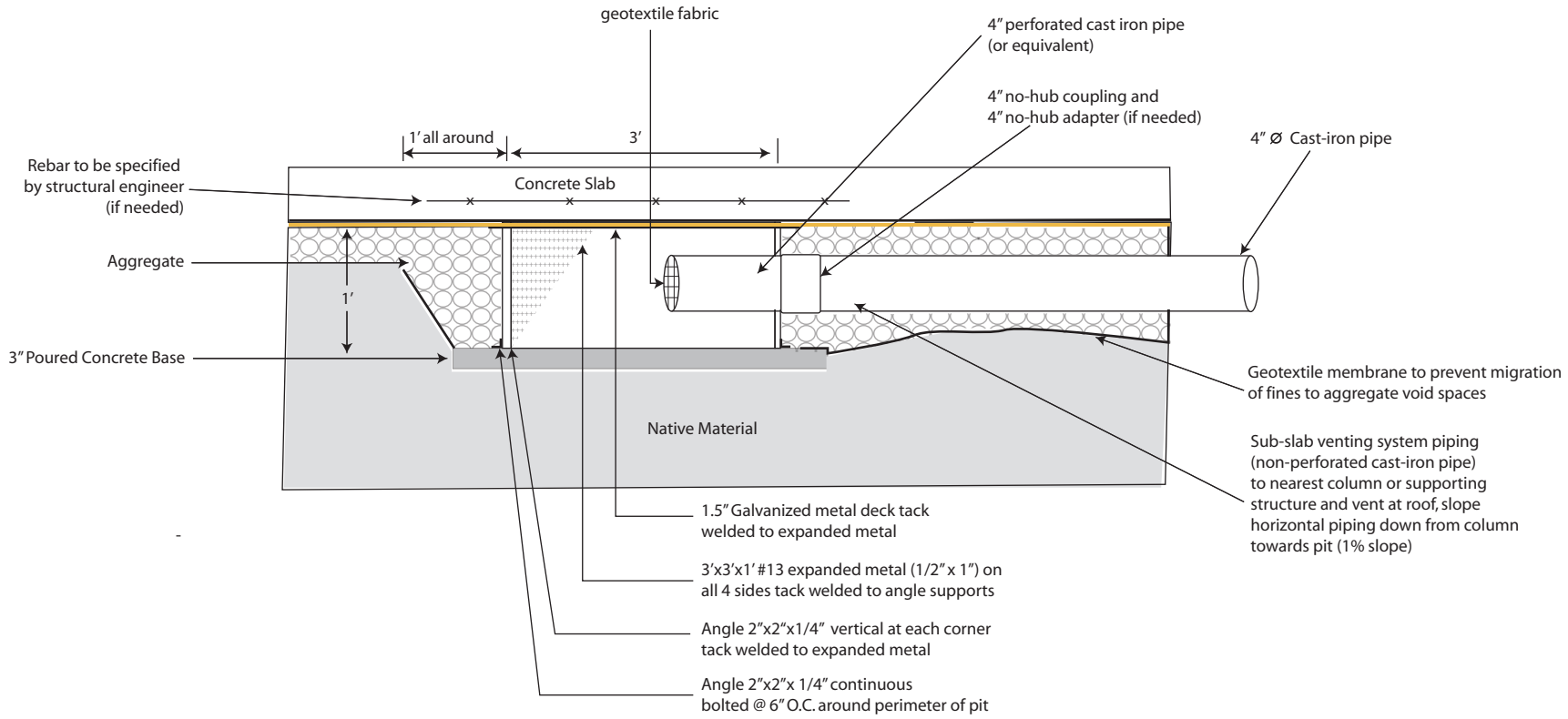


Note:
Cast-iron pipe may be substituted with PVC Schedule 40 pipe if a variance is secured from NYC DOB. If PVC piping is permitted, appropriate fire stop details shall be installed at any location in which the riser pipe penetrates a fire rated wall and all joints shall be sealed with plumber's cement (or similar product) to be applied according to the manufacturer's specifications.

Figure 1A: Sub-Slab Depressurization Systems Details #1 and #2

839-843 Tilden Street Borough of Bronx, New York	ESI File: HB15073.30
	Not to Scale
	February 2016 | Appendix 6

DETAIL- SUCTION PIT - CROSS SECTION



Note: Sub-slab cast-iron pipe may be substituted with PVC Schedule 40 if a variance is secured from NYC DOB (MC Section 512 and PC Section 702)

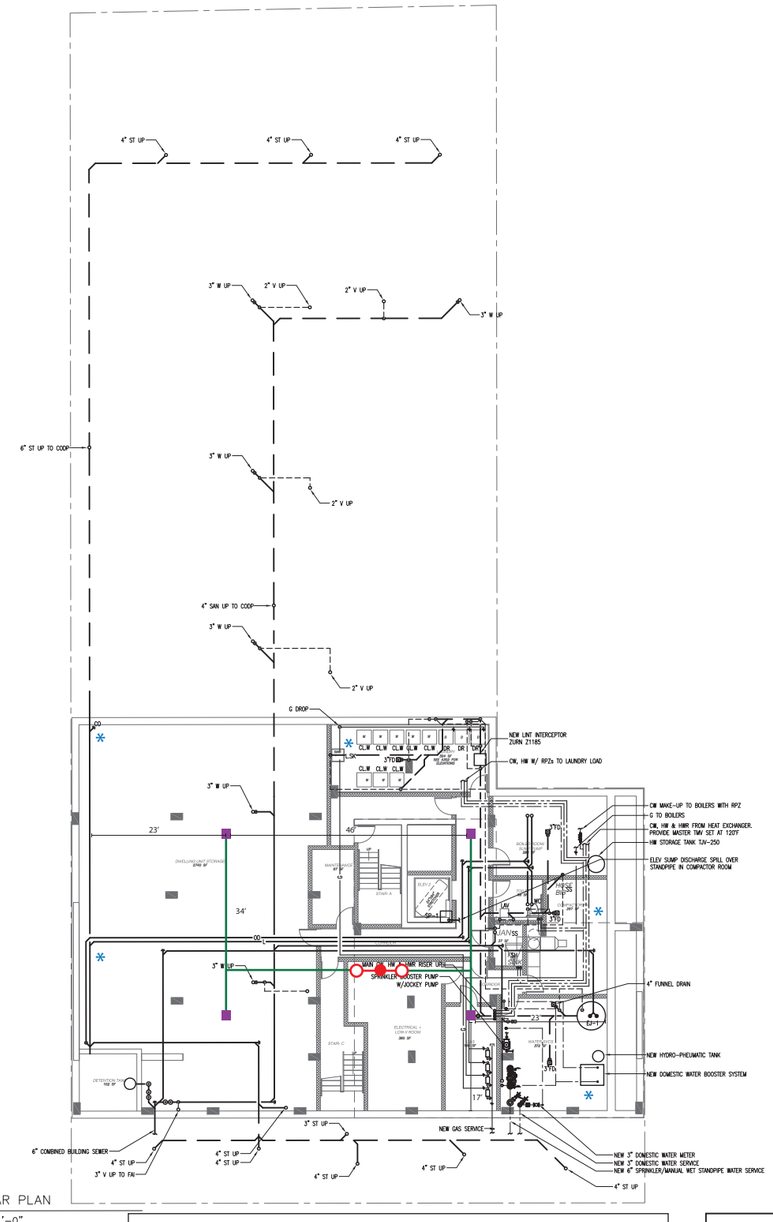
Figure 1B: Sub-Slab Depressurization System - Detail #3

839-843 Tilden Street
Borough of Bronx, New York

ESI File: HB15073.30

February 2016

Appendix 6



1 CELLAR PLAN
1/8"=1'-0"

Notes:

Two pipes will exit the subslab at a location proximal to the wall. Each pile will be fitted with a valve to permit modulation of flow rates. Both pipes will be manifolded to a single riser.

Sub-slab cast-iron pipe may be substituted with PVC Schedule 40 if a variance is secured from NYC DOB (MC Section 512 and PC Section 702).

Legend:

- manifold piping
- sub-slab piping
- 3'x3'x1' suction pit
- riser pipe
- interslab piping
- temporary monitoring points

Notes:

1. Four 3' x 3' x 1' suction pits shall be constructed at the indicated locations, following the specifications in Figure 1A and B: Sub-slab Depressurization System Details #2 and #3.
2. Sub-slab 4" diameter cast-iron pipe shall be covered with a min. 3" of aggregate.
3. Sub-slab piping shall be pitched down from the riser pipe towards suction pits at 1/8" per foot (1% slope) to facilitate condensation drainage.
4. Riser pipes shall be 4" diameter cast-iron, with corresponding cast iron no-hub couplers at all pipe unions.
5. Cast-iron pipe may be substituted with PVC Schedule 40 pipe if a variance is secured from NYC DOB. If PVC piping is permitted, appropriate fire stop details shall be installed at any location in which the riser pipe penetrates a fire rated wall and all joints shall be sealed with plumber's cement (or similar product) to be applied according to the manufacturer's specifications.
6. Overhead piping and riser pipe inside the building shall be mounted to the nearest building column, beam or supporting structure. Riser pipes outside the building shall be mounted to the nearest external building component with stabilizing straps and supports at the roof and/or bulkhead level.
7. Location of sub-slab and overhead piping and riser pipes subject to change based upon final site design and integration with building renovation design.
8. Riser pipe termination shall extend at least 6" above the parapet elevation, and at least 10' from other buildings, HVAC intakes, windows or doors.
9. A powered fan shall be installed at each riser pipe termination following specifications in Figure 1A: Sub-slab Depressurization System Details #1. Fan size will be determined based on permitted if acceptable pressure reading recorded at monitoring points during field testing (see note #11, below).
10. An audible pressure activated warning alarm (or approved equal) shall be installed by a licensed electrical contractor to indicate fan failure.
11. Sub-slab monitoring points shall be installed after installation of all piping components and prior to field testing. Locations will be determined in the field and in consultation with the environmental consultant.
12. U-manometers or equivalent pressure gauges shall be installed at each interslab riser pipe inside the building at visible locations as visual indicators of negative pressure.
13. A 4-inch butterfly valve (or approved equal) shall be installed at an accessible location in each vertical pipe connecting the sub-slab piping or suction pit to the horizontal overhead piping.
14. All U-manometers, visible SSDS piping in the exterior and interior portions of the building, and powered fans shall be clearly labeled as "Sub-Slab Venting System" by means of tag, stencil or other approved marking.
15. General Contractor shall provide shop and coordination drawings for approval.

Base map provided by Union Street Studio LLC - Plumbing Cellar Plan dated 10-29-15.
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 2: Sub-Slab Depressurization System - Cellar Plan

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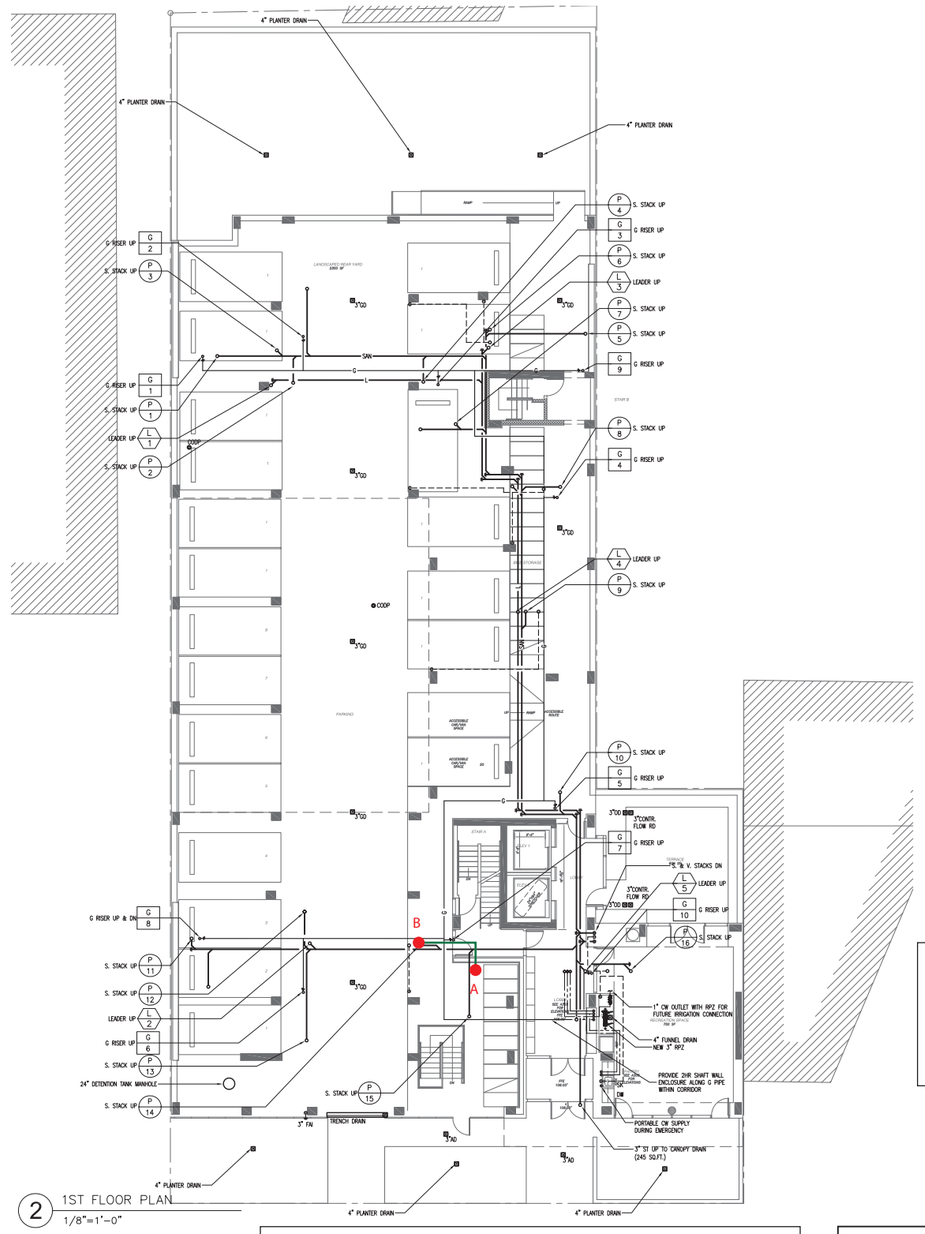
	Not to scale
	February 2016 | Appendix 6



Note:

The riser centering from the cellar (Riser A) will be connected to the riser extending through the entire structure (Riser B) via piping located at ceiling height.

Legend:

━━ ceiling height piping

● riser pipe

Figure 3: Sub-Slab Depressurization System - 1st Floor Plan

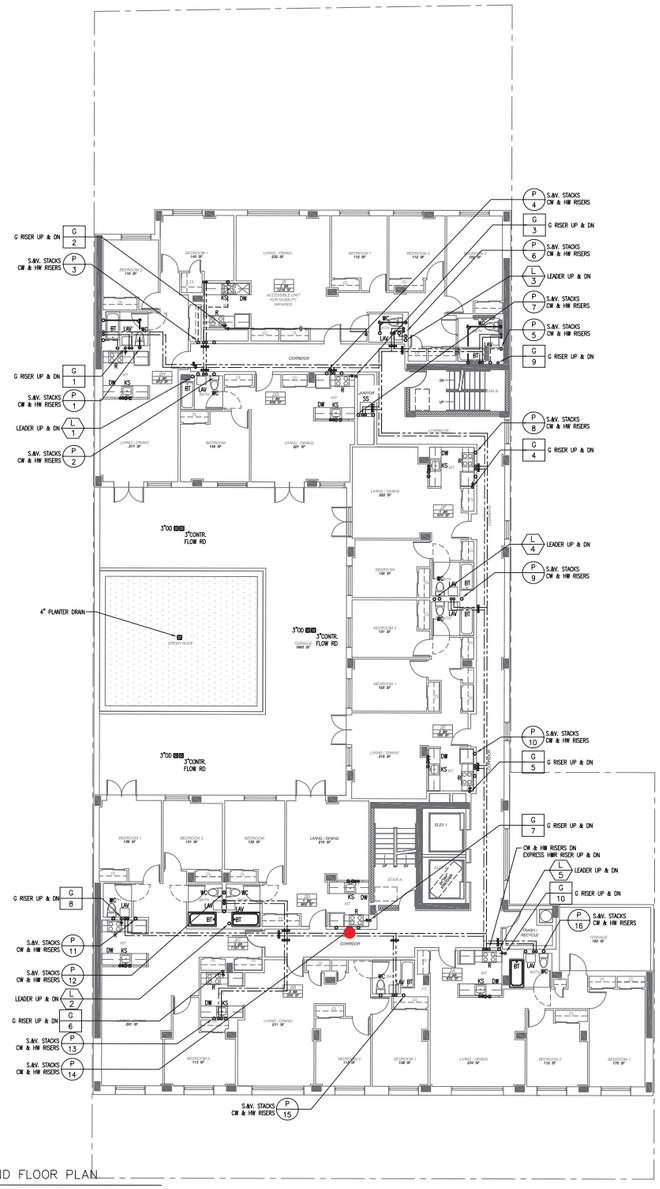
839-843 Tilden Street
Borough of Bronx, New York

ESI File: HB15073.30

Not to scale

December 2015 | Appendix 6

Base map provided by Union Street Studio LLC - 1st Floor Plan dated 10-29-15.
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.



3 2ND FLOOR PLAN

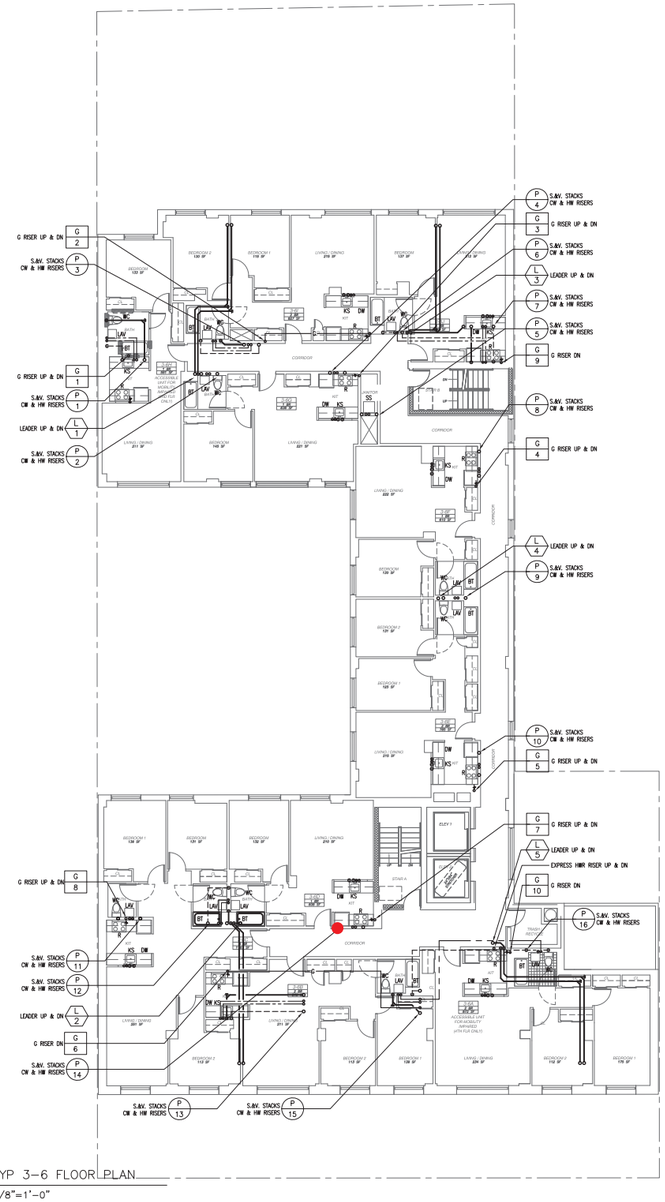
Legend:

- riser pipe

Base map provided by Union Street Studio LLC - 2nd Floor Plan dated 10-29-15.
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 4: Sub-Slab Depressurization System - 2nd Floor Plan

839-843 Tilden Street Borough of Bronx, New York	ESI File: HB15073.30
	Not to scale
	December 2015 | Appendix 6



4 TYP 3–6 FLOOR PLAN
1/8"=1'-0"

Legend:

- riser pipe

Base map provided by Union Street Studio LLC - 3-6 Floor Plan dated 10-29-15.
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

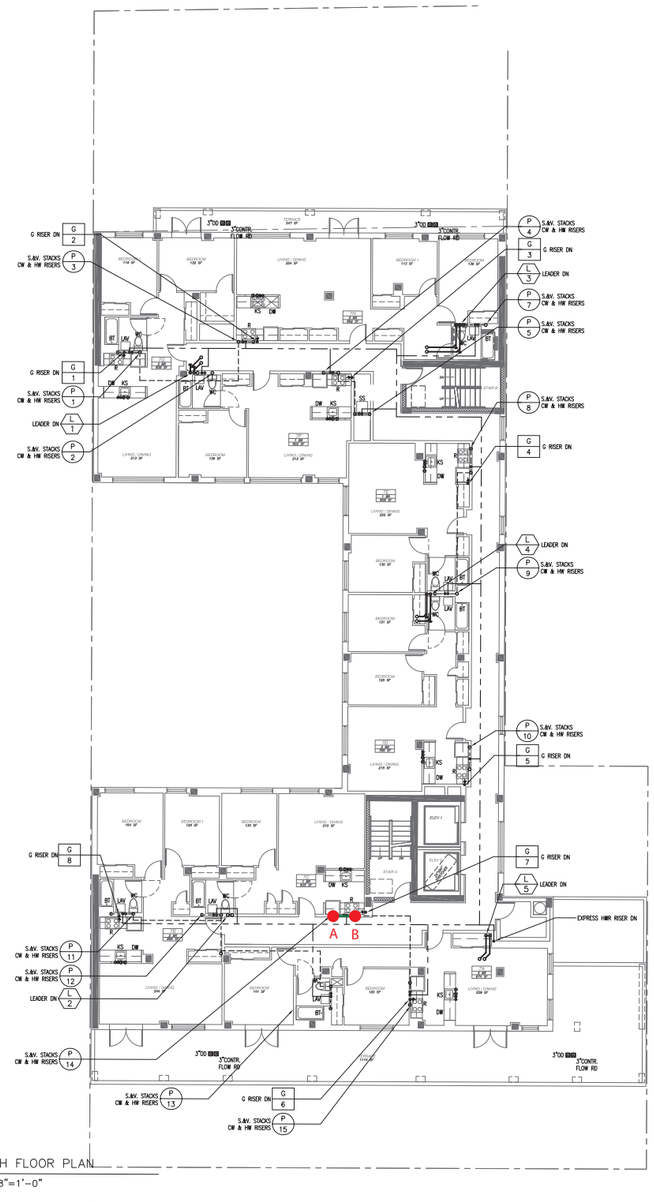
Figure 5: Sub-Slab Depressurization System - 3-6 Floor Plan

839-843 Tilden Street
Borough of Bronx, New York

ESI File: HB15073.30

Not to scale

December 2015 | Appendix 6



5 7TH FLOOR PLAN
1/8"=1'-0"

Note:

The riser entering from the sixth floor (Riser A) will be connected to the riser extending through the building's roof (Riser B) via piping located at ceiling height.

Legend:

ceiling height piping

riser pipe

Base map provided by Union Street Studio LLC - 7th Floor Plan dated 10-29-15.
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

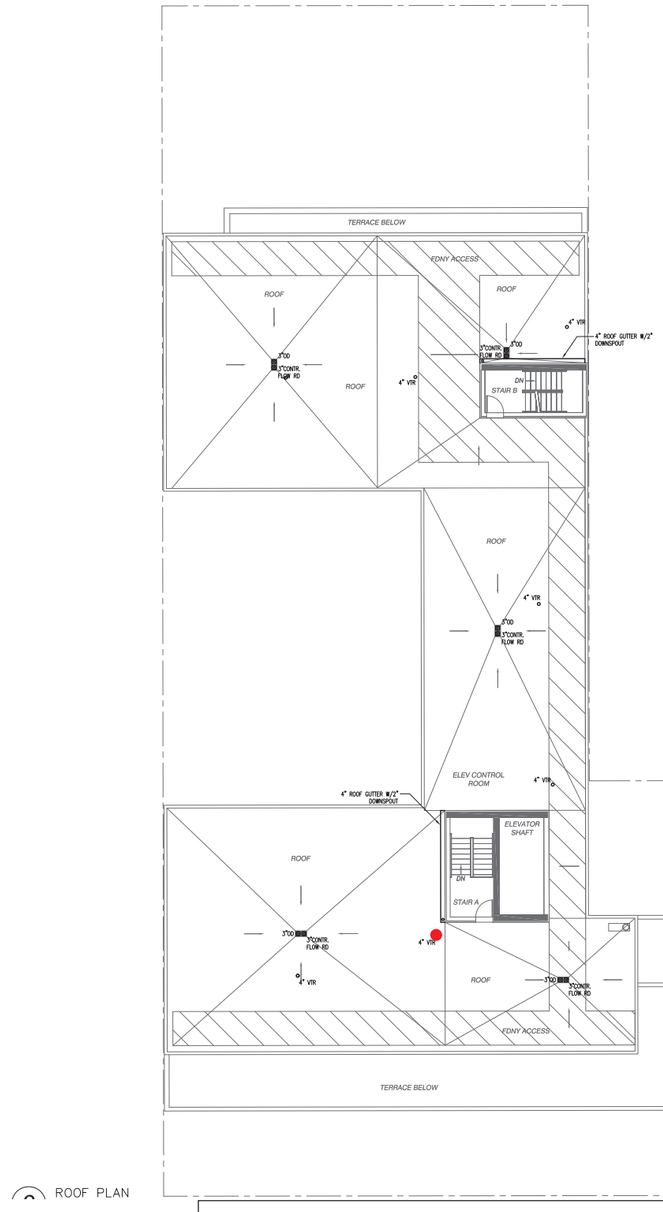
Figure 6: Sub-Slab Depressurization System - 7th Floor Plan

839-843 Tilden Street
Borough of Bronx, New York

ESI File: HB15073.30

Not to scale

December 2015 | Appendix 6



ROOF PLAN

Notes:

1. Cast-iron pipe may be substituted with PVC Schedule 40 pipe if a variance is secured from NYC DOB. If PVC piping is permitted, appropriate fire stop details shall be installed at any location in which the riser pipe penetrates a fire rated wall and all joints shall be sealed with plumber's cement (or similar product) to be applied according to the manufacturer's specifications.
2. Riser pipes outside the building shall be mounted to the nearest external building component with stabilizing straps and supports at the roof and bulkhead level.
3. Location of piping and riser pipes subject to change based upon final site design and integration with building renovation design.
4. Riser pipe termination shall extend at least 6" above the roof, and at least 10' from other buildings, HVAC intakes, windows or doors.
5. A powered fan shall be installed at the riser pipe termination following specifications in Figure 1A: Sub-slab Depressurization System Details #1. Fan size will be determined according to negative pressure readings at sub-slab monitoring points during field testing.
6. A warning alarm (voice dialer system or approved equal) shall be installed by a licensed electrical contractor to indicate fan failure.
7. All U-manometers, visible SSDS piping in the exterior and interior portions of the building, and powered fans shall be clearly labeled as "Sub-Slab Venting System" by means of tag, stencil or other approved marking.
8. General Contractor shall provide shop and coordination drawings for approval.

Legend:

- riser pipe

Base map provided by Union Street Studio LLC - Roof Plan dated 10-29-15.
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 7: Sub-Slab Depressurization System - Roof Plan

839-843 Tilden Street
Borough of Bronx, New York

ESI File: HB15073.30

Not to scale

December 2015 | Appendix 6

APPENDIX 7

Vapor Barrier Specifications

BITUTHENE® SYSTEM 4000

Self-adhesive HDPE waterproofing membrane with super tacky compound for use with patented, water-based Bituthene® System 4000 Surface Conditioner

Description

Bituthene® System 4000 Waterproofing Membrane is a 1.5 mm (1⁄16 in.) flexible, pre-formed membrane which combines a high performance, cross laminated, HDPE carrier film with a unique, super tacky, self-adhesive rubberized asphalt compound.

Bituthene® System 4000 Surface Conditioner is a water-based, latex surface treatment which imparts an aggressive, high tack finish to the treated substrate. It is specifically formulated to bind site dust and concrete efflorescence, thereby providing a suitable surface for the Bituthene® System 4000 Waterproofing Membrane.

Conveniently packaged in each roll of membrane, Bituthene® System 4000 Surface Conditioner promotes good initial adhesion and, more importantly, excellent permanent adhesion of the Bituthene® System 4000 Waterproofing Membrane. The VOC (Volatile Organic Compound) content of this product is 100 g/L.

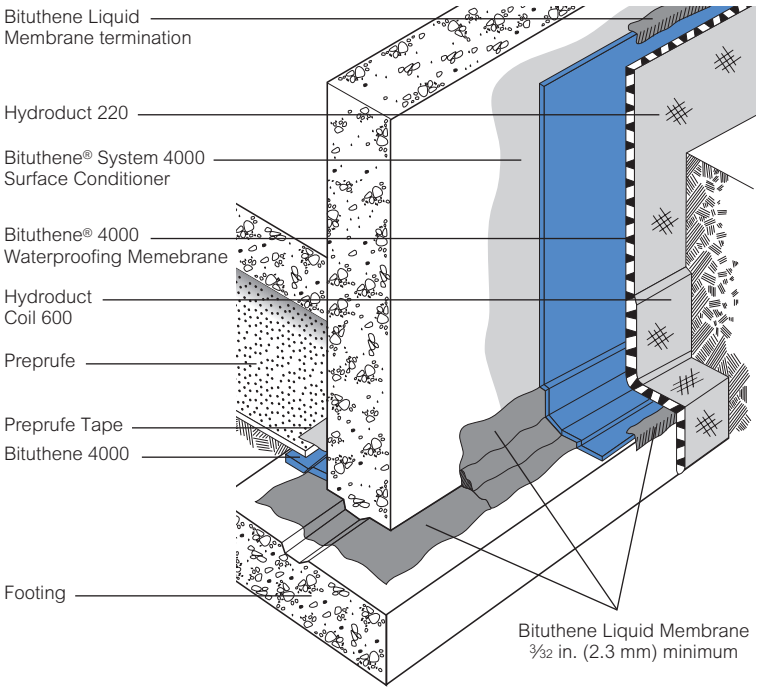
Architectural and Industrial Maintenance Regulations limit the VOC content in products classified as Architectural Coatings. Refer to Technical Letters at graceconstruction.com for most current list of allowable limits.

Advantages

- **Excellent adhesion**—special adhesive compound engineered to work with high tack System 4000 Surface Conditioner
- **Cold applied**—simple application to substrates, especially at low temperatures
- **Reduced inventory and handling costs**—System 4000 Surface Conditioner is included with each roll of membrane
- **Wide application temperature range**—excellent bond to self and substrate from 25°F (-4°C) and above

Product Advantages

- Excellent adhesion
- Cold applied
- Reduced inventory and handling costs
- Wide application temperature range
- Overlap security
- Cross laminated, high density polyethylene carrier film
- Flexible
- Ripcord®



Drawings are for illustration purposes only.
Please refer to graceconstruction.com for specific application details.

- **Overlap security**—minimizes margin for error under site conditions
- **Cross laminated, high density polyethylene carrier film**—provides high tear strength, puncture and impact resistance
- **Flexible**—accommodates minor structural movements and will bridge shrinkage cracks
- **Ripcord®**—this split release on demand feature allows the splitting of the release paper into two (2) pieces for ease of installation in detailed areas

Use

Bituthene® membrane is ideal for waterproofing concrete, masonry and wood surfaces where in-service temperatures will not exceed 135°F (57°C). It can be applied to foundation walls, tunnels, earth sheltered structures and split slab construction, both above and below grade. (For above grade applications, see *Above Grade Waterproofing Bituthene® System 4000*.)

Bituthene® waterproofing membrane is 1/16 in. (1.5 mm) thick, 3 ft (0.9 m) wide and 66.7 ft (20 m) long and is supplied in rolls. It is unrolled sticky side down onto concrete slabs or applied onto vertical concrete faces primed with Bituthene® System 4000 Surface Conditioner. Continuity is achieved by overlapping a minimum 2 in. (50 mm) and firmly rolling the joint.

Bituthene® membrane is extremely flexible. It is capable of bridging shrinkage cracks in the concrete and will accommodate minor differential movement throughout the service life of the structure.

Application Procedures

Safety, Storage and Handling Information

Bituthene® products must be handled properly. Vapors from solvent-based primers and mastic are harmful and flammable.

For these products, the best available information on safe handling, storage, personal protection, health and environmental considerations has been gathered. Material Safety Data Sheets (MSDS) are available at graceconstruction.com and users should acquaint themselves with this information. Carefully read detailed precaution statements on product labels and the MSDS before use.

Surface Preparation

Surfaces should be structurally sound and free of voids, spalled areas, loose aggregate and sharp protrusions. Remove contaminants such as grease, oil and wax from exposed surfaces. Remove dust, dirt, loose stone and debris. Concrete must be properly dried (minimum 7 days for normal structural concrete and 14 days for lightweight structural concrete).

If time is critical, Bituthene® Primer B2 or Bituthene® Primer B2 LVC may be used to allow priming and installation of membrane on damp surfaces or green concrete. Priming may begin in this case as soon as the concrete will maintain structural integrity. Use form release agents which will not transfer to the concrete. Remove forms as soon as possible from below horizontal slabs to prevent entrapment of excess moisture. Excess moisture may lead to blistering of the membrane. Cure concrete with clear, resin-based curing compounds which do not contain oil, wax or pigment. Except with Bituthene® Primer B2 or Bituthene® Primer B2 LVC, allow concrete to thoroughly dry following rain. Do not apply any products to frozen concrete.

Repair defects such as spalled or poorly consolidated areas. Remove sharp protrusions and form match lines. On masonry surfaces, apply a parge coat to rough concrete block and brick walls or trowel cut mortar joints flush to the face of the concrete blocks.

Temperature

- Apply Bituthene® System 4000 Membrane and Conditioner only in dry weather and when air and surface temperatures are 25°F (-4°C) or above.
- Apply Bituthene® Primer B2 or Bituthene® Primer B2 LVC in dry weather above 25°F (-4°C). (See separate product information sheet.)

Conditioning

Bituthene® System 4000 Surface Conditioner is ready to use and can be applied by spray or roller. For best results, use a pump-type air sprayer with fan tip nozzle, like the Bituthene® System 4000 Surface Conditioner Sprayer, to apply the surface conditioner.

Apply Bituthene® System 4000 Surface Conditioner to clean, dry, frost-free surfaces at a coverage rate of 300 ft^2/gal (7.4 m^2/L). Coverage should be uniform. Surface conditioner should not be applied so heavily that it puddles or runs. **Do not apply conditioner to Bituthene® membrane.**

Allow Bituthene® System 4000 Surface Conditioner to dry one hour or until substrate returns to its original color. At low temperatures or in high humidity conditions, dry time may be longer.

Bituthene® System 4000 Surface Conditioner is clear when dry and may be slightly tacky. In general, conditioning should be limited to what can be covered within 24 hours. In situations where long dry times may prevail, substrates may be conditioned in advance. Substrates should be reconditioned if significant dirt or dust accumulates.

Before surface conditioner dries, tools should be cleaned with water. After surface conditioner dries, tools should be cleaned with mineral spirits. Mineral spirits is a combustible liquid which should be used only in accordance with manufacturer's recommendations. **Do not use solvents to clean hands or skin.**

Corner Details

The treatment of corners varies depending on the location of the corner. For detailed information on Bituthene® Liquid Membrane, see separate product information sheet.

- At wall to footing inside corners—
  Option 1: Apply membrane to within 1 in. (25 mm) of base of wall. Treat the inside corner by installing a ¾ in. (20 mm) fillet of Bituthene® Liquid Membrane. Extend Bituthene® Liquid Membrane at least 2½ in. (65 mm) onto footing, and 2½ in. (65 mm) onto wall membrane.

  Option 2: Treat the inside corner by installing a ¾ in. (20 mm) fillet of Bituthene® Liquid Membrane. Apply 12 in. (300 mm) wide strip of sheet membrane centered over fillet. Apply wall membrane over inside corner and extend 6 in. (150 mm) onto footing. Apply 1 in. (25 mm) wide troweling of Bituthene® Liquid Membrane over all terminations and seams within 12 in. (300 mm) of corner.
- At footings where the elevation of the floor slab is 6 in. (150 mm) or more above the footing, treat the inside corner either by the above two methods or terminate the membrane at the base of the wall. Seal the termination with Bituthene® Liquid Membrane.

Joints

Properly seal all joints with waterstop, joint filler and sealant as required. Bituthene® membranes are not intended to function as the primary joint seal. Allow sealants to fully cure. Pre-strip all slab and wall cracks over 1/16 in. (1.5 mm) wide and all construction and control joints with 9 in. (230 mm) wide sheet membrane strip.

Application on Horizontal Surfaces

(Note: Preprufe® pre-applied membranes are strongly recommended for below slab or for any application where the membrane is applied before concreting. See Preprufe® waterproofing membrane product information sheets.)

Apply membrane from the low point to the high point so that laps shed water. Overlap all seams at least 2 in. (50 mm). Stagger all end laps. Roll the entire membrane firmly and completely as soon as possible. Use a linoleum roller or standard water-filled garden roller less than 30 in. (760 mm) wide, weighing a minimum of 75 lbs (34 kg) when filled. Cover the face of the roller with a resilient material such as a ½ in. (13 mm) plastic foam or two wraps of indoor-outdoor carpet to allow the membrane to fully contact the primed substrate. Seal all T-joints and membrane terminations with Bituthene® Liquid Membrane at the end of the day.

Protrusions and Drains

Apply membrane to within 1 in. (25 mm) of the base of the protrusion. Apply Bituthene® Liquid Membrane 0.1 in. (2.5 mm) thick around protrusion. Bituthene® Liquid Membrane should extend over the membrane a minimum of 2½ in. (65 mm) and up the penetration to just below the finished height of the wearing course.

Vertical Surfaces

Apply membrane in lengths up to 8 ft (2.5 m). Overlap all seams at least 2 in. (50 mm). On higher walls apply membrane in two or more sections with the upper overlapping the lower by at least 2 in. (50 mm). Roll all membrane with a hand roller.

Terminate the membrane at grade level. Press the membrane firmly to the wall with the butt end of a hardwood tool such as a hammer handle or secure into a reglet. Failure to use heavy pressure at terminations can result in a poor seal. A termination bar may be used to ensure a tight seal. Terminate the membrane at the base of the wall if the bottom of the interior floor slab is at least 6 in. (150 mm) above the footing. Otherwise, use appropriate inside corner detail where the wall and footing meet.

Membrane Repairs

Patch tears and inadequately lapped seams with membrane. Clean membrane with a damp cloth and dry. Slit fishmouths and repair with a patch extending 6 in. (150 mm) in all directions from the slit and seal edges of the patch with Bituthene® Liquid Membrane. Inspect the membrane thoroughly before covering and make any repairs.

Drainage

Hydroduct® drainage composites are recommended for both active drainage and protection of the membrane. See Hydroduct® product information sheets.

Protection of Membrane

Protect Bituthene® membranes to avoid damage from other trades, construction materials or backfill. Place protection immediately in temperatures above 77°F (25°C) to avoid potential for blisters.

- On vertical applications, use Hydroduct® 220 Drainage Composite. Adhere Hydroduct® 220 Drainage Composite to membrane with Preprufe® Detail Tape. Alternative methods of protection are to use 1 in. (25 mm) expanded polystyrene or ¼ in. (6 mm) extruded

polystyrene that has a minimum compressive strength of 8 lbs/in.^{2} (55 kN/m^2). Such alternatives do not provide positive drainage to the system. If ¼ in. (6 mm) extruded polystyrene protection board is used, backfill should not contain sharp rock or aggregate over 2 in. (50 mm) in diameter. Adhere polystyrene protection board with Preprufe® Detail Tape.

- In mud slab waterproofing, or other applications where positive drainage is not desired and where reinforced concrete slabs are placed over the membrane, the use of ¼ in. (6 mm) hardboard or 2 layers of ⅛ in. (3 mm) hardboard is recommended.

Insulation

Always apply Bituthene® membrane directly to primed or conditioned structural substrates. Insulation, if used, must be applied over the membrane. Do not apply Bituthene® membranes over lightweight insulating concrete.

Backfill

Place backfill as soon as possible. Use care during backfill operation to avoid damage to the waterproofing system. Follow generally accepted practices for backfilling and compaction. Backfill should be added and compacted in 6 in. (150 mm) to 12 in. (300 mm) lifts.

For areas which cannot be fully compacted, a termination bar is recommended across the top termination of the membrane.

Placing Steel

When placing steel over properly protected membrane, use concrete bar supports (dobies) or chairs with plastic tips or rolled feet to prevent damage from sharp edges. Use special care when using wire mesh, especially if the mesh is curled.

Approvals

- City of Los Angeles Research Report RR 24386
- Miami-Dade County Code Report NOA 04-0114.03
- U.S. Department of Housing and Urban Development (HUD) HUD Materials Release 628E

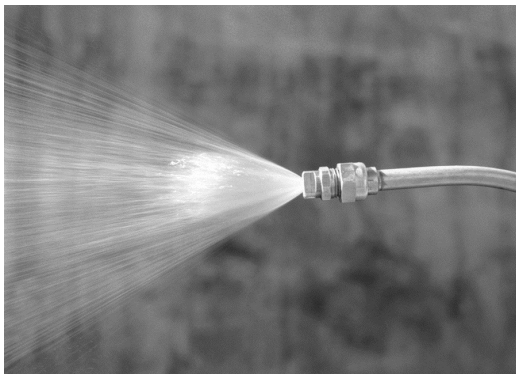
Bituthene System 4000 Surface Conditioner Sprayer

The Bituthene® System 4000 Surface Conditioner Sprayer is a professional grade, polyethylene, pump-type, compressed air sprayer with a brass fan tip nozzle. It has a 2 gal (7.6 L) capacity. The nozzle orifice and spray pattern have been specifically engineered for the optimum application of Bituthene® System 4000 Surface Conditioner.

Hold nozzle 18 in. (450 mm) from substrate and squeeze handle to spray. Spray in a sweeping motion until substrate is uniformly covered.

Sprayer should be repressurized by pumping as needed. For best results, sprayer should be maintained at high pressure during spraying.

To release pressure, invert the sprayer and spray until all compressed air is released.



Maintenance

The Bituthene® System 4000 Surface Conditioner Sprayer should perform without trouble for an extended period if maintained properly.

Sprayer should not be used to store Bituthene® System 4000 Surface Conditioner. The sprayer should be flushed with clean water immediately after spraying. For breaks in the spray operation of one hour or less, invert the sprayer and squeeze the spray handle until only air comes from the nozzle. This will avoid clogging.

Should the sprayer need repairs or parts, call the maintenance telephone number on the sprayer tank (800-323-0620).

- Bituthene® 4000 Membranes carry a Underwriters' Laboratory Class A Fire Rating (Building Materials Directory, File #R7910) when used in either of the following constructions:
  - —Limited to noncombustible decks at inclines not exceeding ¼ in. (6 mm) to the horizontal 1 ft (0.3 m). One layer of Bituthene® waterproofing membrane, followed by one layer of ⅛ in. (3 mm) protection board, encased in 2 in. (50 mm) minimum concrete monolithic pour.
  - —Limited to noncombustible decks at inclines not exceeding ¼ in. (6 mm) to the horizontal 1 ft (0.3 m). One layer of Bituthene® waterproofing membrane, followed by one layer of DOW Styrofoam PD Insulation Board [2 in. (50 mm) thick]. This is covered with one layer of 2 ft x 2 ft x 2 in. (0.6 m x 0.6 m x 50 mm) of concrete paver topping.

Warranty

Five year material warranties covering Bituthene® and Hydroduct® products are available upon request. Contact your Grace sales representative for details.

Technical Services

Support is provided by full time, technically trained Grace representatives and technical service personnel, backed by a central research and development staff.

Supply

Bituthene® System 4000	3 ft x 66.7 ft roll (200 ft²) [0.9 m x 20 m (18.6 m²)]
Roll weight	83 lbs (38 kg) gross
Palletization	25 rolls per pallet
Storage	Store upright in dry conditions below 95°F (+35°C).
System 4000 Surface Conditioner	1 x 0.625 gal (2.3 L) bottle in each roll of System 4000 Membrane
Ancillary Products	
Surface Conditioner Sprayer	2 gal (7.6 L) capacity professional grade sprayer with specially engineered nozzle
Bituthene® Liquid Membrane	1.5 gal (5.7 L) pail/125 pails per pallet or 4 gal (15.1 L) pail/48 pails per pallet
Preprufe® Detail Tape	2 in. x 50 ft (50 mm x 15 m) roll/16 rolls per carton
Bituthene® Mastic	Twelve 30 oz (0.9 L) tubes/carton or 5 gal (18.9 L) pail/36 pails per pallet
Complementary Material	
Hydroduct®	See separate data sheets

Equipment by others: Soft broom, utility knife, brush or roller for priming

Physical Properties for Bituthene® System 4000 Waterproofing Membrane

Property	Typical Value	Test Method
Color	Dark gray-black	
Thickness	1/16 in. (1.5 mm) nominal	ASTM D3767—method A
Flexibility, 180° bend over 1 in. (25 mm) mandrel at -25°F (-32°C)	Unaffected	ASTM D1970
Tensile strength, membrane, die C	325 lbs/in.² (2240 kPa) minimum	ASTM D412 modified[1]
Tensile strength, film	5,000 lbs/in.² (34.5 MPa) minimum	ASTM D882 modified[1]
Elongation, ultimate failure of rubberized asphalt	300% minimum	ASTM D412 modified[1]
Crack cycling at -25°F (-32°C), 100 cycles	Unaffected	ASTM C836
Lap adhesion at minimum application temperature	5 lbs/in. (880 N/m)	ASTM D1876 modified[2]
Peel strength	9 lbs/in. (1576 N/m)	ASTM D903 modified[3]
Puncture resistance, membrane	50 lbs (222 N) minimum	ASTM E154
Resistance to hydrostatic head	231 ft (71 m) of water	ASTM D5385
Permeance	0.05 perms (2.9 ng/m²sPa) maximum	ASTM E96, section 12—water method
Water absorption	0.1% maximum	ASTM D570

Footnotes:
1. The test is run at a rate of 2 in. (50 mm) per minute.
2. The test is conducted 15 minutes after the lap is formed and run at a rate of 2 in. (50 mm) per minute at 40°F (5°C).
3. The 180° peel strength is run at a rate of 12 in. (300 mm) per minute.

Physical Properties for Bituthene® System 4000 Surface Conditioner

Property	Typical Value
Solvent type	Water
Flash point	>140°F (>60°C)
VOC* content	91 g/L
Application temperature	25°F (-4°C) and above
Freeze thaw stability	5 cycles (minimum)
Freezing point (as packaged)	14°F (-10°C)
Dry time (hours)	1 hour**

* Volatile Organic Compound
** Dry time will vary with weather conditions

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

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Preprufe® Tape

Description

Preprufe® Tape is a specially formulated two sided, reinforced pressure sensitive tape. The bottom side of the tape has a highly aggressive pressure sensitive adhesive which is designed to adhere to penetrations, protrusions and Bituthene® Membranes. The top side has another layer of adhesive and a protective coating. The protective coating protects the tape from the weather and UV light for up to 30 days after application. A thin flexible film is sandwiched between the two layers of pressure sensitive adhesive. The tape develops a continuous mechanical bond with the concrete that is cast against it.

Preprufe Tape is supplied in rolls and is interwound with a silicone coated release liner.

Supply

Preprufe Tape LT* or HC*	
Thickness (nominal)*	0.7 mm
Roll size	100 mm x 15.0 m
Roll weight	2 kgs
Minimum edge / end laps	75 mm

*LT denotes temperature between –4ºC and +30ºC
*HC denotes temperature between +10ºC and +40ºC
*Nominal thickness refers to the thickness of the tape without release liner.

Use

Preprufe Tape is used in detail areas including end laps, penetrations and various tie-ins. It is also used to patch damaged areas in the Preprufe membranes. The tape is a critical component of the Preprufe system since it is designed to develop a continuous mechanical bond to concrete that is cast against it.

Application

Apply Preprufe Tape when ambient temperatures are -4˚C or above.

Wipe Preprufe membranes clean to remove any dirt, dust or moisture. Clean the surface of penetrations or protrusions with a wire brush to remove dirt, dust, rust and loose particles.

Unroll the tape and adhere the exposed pressure sensitive adhesive surface to the membrane or penetration. The protective coating surface of the tape should face toward the concrete to be cast.

Use heavy hand pressure or a hand roller to maximize adhesion. Remove the release liner during application. Cast concrete or apply Shotcrete within 30 days of application of the tape.

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Australia 1800 855 525 New Zealand (64-9) 448 1146 China Mainland (86-21) 3158 2888
Hong Kong (852) 2675 7898 India (91-124) 402 8972 Indonesia (62-21) 893 4260 Japan (81-3) 3537 6366
Korea (82-32) 820 0800 Malaysia (60-3) 9074 6133 Philippines (63-49) 549 7373 Singapore (65) 6265 3033
Thailand (66-2) 709 4470 Vietnam (84-8) 3710 6168

GRACE

VAPORBLOCK® PLUS™ VBP20

Under-Slab Vapor / Gas Barrier

RAVEN INDUSTRIES

Product Description

VaporBlock® Plus™ 20 is a seven-layer co-extruded barrier made from state-of-the-art polyethylene and EVOH resins to provide unmatched impact strength as well as superior resistance to gas and moisture transmission. VaporBlock® Plus™ 20 is a highly resilient underslab / vertical wall barrier designed to restrict naturally occurring gases such as radon and/or methane from migrating through the ground and concrete slab. VaporBlock® Plus™ 20 is more than 100 times less permeable than typical high-performance polyethylene vapor retarders against Methane, Radon and other harmful VOCs.

VaporBlock® Plus™ 20 is one of the most effective underslab gas barriers in the building industry today far exceeding ASTM E-1745 (Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs) Class A, B and C requirements. Available in a 20 (Class A) mil thicknesses designed to meet the most stringent requirements. VaporBlock® Plus™ 20 is produced within the strict guidelines of our ISO 9001:2008 Certified Management System.

Product Use

VaporBlock® Plus™ 20 resists gas and moisture migration into the building envelop when properly installed to provide protection from toxic/harmful chemicals. It can be installed as part of a passive or active control system extending across the entire building including floors, walls and crawl spaces. When installed as a passive system it is recommended to also include a ventilated system with sump(s) that could be converted to an active control system with properly designed ventilation fans.

VaporBlock® Plus™ 20 works to protect your flooring and other moisture-sensitive furnishings in the building's interior from moisture and water vapor migration, greatly reducing condensation, mold and degradation.

Size & Packaging

VaporBlock® Plus™ 20 is available in 10' x 150' rolls to maximize coverage. All rolls are folded on heavy-duty cores for ease in handling and installation. Other custom sizes with factory welded seams are available based on minimum volume requirements. Installation instructions and ASTM E-1745 classifications accompany each roll.

Under-Slab Vapor/Gas Retarder

Product	Part #
VaporBlock Plus 20	VBP20

APPLICATIONS

- Radon Barrier
- Methane Barrier
- VOC Barrier
- Under-Slab Vapor Retarder
- Foundation Wall Vapor Retarder

VaporBlock® Plus™
UNDERSLAB VAPOR RETARDER / GAS BARRIER

VAPORBLOCK® PLUS™ VBP20

Under-Slab Vapor / Gas Barrier

		VAPORBLOCK PLUS 20	
PROPERTIES	**TEST METHOD**	**IMPERIAL**	**METRIC**
Appearance		White/Gold	
Thickness, Nominal		20 mil	0.51 mm
Weight		102 lbs/MSF	498 g/m²
Classification	ASTM E 1745	CLASS A, B & C	
Tensile Strength lbf/in (N/cm) average MD & TD (new material)	ASTM E 154 Section 9 (D-882)	58 lbf	102 N
Impact Resistance	ASTM D 1709	2600 g	
Maximum Use Temperature		180° F	82° C
Minimum Use Temperature		-70° F	-57° C
Permeance (new material)	ASTM E 154 Section 7 ASTM E 96 Procedure B	0.0098 Perms grains/(ft²·hr·in·Hg)	0.0064 Perms g/(24hr·m²·mm Hg)
(after conditioning) Perms (same measurement as above permeance)	ASTM E 154 Section 8, E96 Section 11, E96 Section 12, E96 Section 13, E96	0.0079 0.0079 0.0097 0.0113	0.0052 0.0052 0.0064 0.0074
WVTR	ASTM E 96 Procedure B	0.0040 grains/hr-ft²	0.0028 gm/hr-m²
Radon Diffusion Coeffiecient	K124/02/95	$< 1.1 \times 10^{-13}$ m²/s	
Methane Permeance	ASTM D 1434	$< 1.7 \times 10^{-10}$ m²/d• atm 0.32 GTR (Gas Transmission Rate) ml/m²•D•ATM	

VaporBlock® Plus™ Placement

All instructions on architectural or structural drawings should be reviewed and followed.
Detailed installation instructions accompany each roll of VaporBlock® Plus™ and can also be located on our website.
ASTM E-1643 also provides general installation information for vapor retarders.

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VaporBlock® Plus™ is a seven-layer co-extruded barrier made using high quality virgin-grade polyethylene and EVOH resins to provide unmatched impact strength as well as superior resistance to gas and moisture transmission.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at www.RavenEFD.com

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APPENDIX 8

Prior Environmental Reports

SYDNEY HOUSE

BRONX, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: TBD

OER Project Number: 15EH-A543X

Prepared for:

Habitat for Humanity, NYC

111 John Street, 23rd Floor

New York, New York 10038

(212) 991-4000

Prepared by:

Ecosystems Strategies, Inc.

24 Davis Avenue

Poughkeepsie, New York

(845) 452-1658

November 2015

REMEDIAL INVESTIGATION REPORT

TABLE OF CONTENTS

FIGURES

1. Site Location Map
2. Selected Site Features Map
3. Proposed Development Plan
4. Fieldwork Map
5. Exceedances in Soil and Groundwater
6. Significant Soil Vapor Concentrations

TABLES

Tables in Text:

Tables in Appendix 3:

APPENDICES

1. Previous Environmental Reports
2. Soil Boring Geologic Logs
3. Data Summary Tables
4. Laboratory Data Deliverables for Analytical Data

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Paul H. Ciminello, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Sydney House Site, (NYC VCP Site No. TBD and OER Project Number: 15EH-A543X). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Paul H. Ciminello 11/19/15

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 839-843 Tilden Street in the Williamsbridge section of Bronx, New York and is identified as Block 4671, Lots 2, 3, and 4 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 17,673 square feet and consists of three contiguous parcels. Lot 2 (843 Tilden Street) is 1,895-square feet and is bounded by an adjoining multi-family residential property to the north and east, Tilden Street to the south, and Lot 3 to the west. Lot 3 (841 Tilden Street) is 5,265-square feet and is bounded by multi-family residential properties to the north, multi-family residential properties and Lot 2 to the east, Tilden Street to the south, and Lot 4 to the west. Lot 4 (839 Tilden Street) is 10,513-square feet and is bounded by a vacant parcel to the north, Lot 3 to the east, Tilden Street to the south, and a vacant warehouse to the west. A map of the site boundaries is shown in Figure 2.

Currently, Lots 2 and 3 of the Site each contain a two-story, multi-family residential building with unmaintained front and rear yard areas. Lot 4 of the Site contains a small garage structure located at the southern portion of the parcel. The remainder of Lot 4 contains a paved parking area extending onto the northern portions of Lot 3.

Summary of Proposed Redevelopment Plan

The proposed development project consists of demolishing the current structures and constructing a new seven-story (59.75-foot base height), multi-family residential building (57 units) with a partial basement and landscaped rear yard. The footprint of the building will cover 12,729-square feet (72% of the lot) and will have partial basement that will occupy 6,761-square feet of the building footprint (38% of the entire lot). The basement will be used for residential storage, mechanical, boiler, laundry, storage, and maintenance rooms. The remainder of the Site will consist of: a 2,766-square feet (16% of the entire lot) rear yard; a 594-square feet (3% of the entire lot) terrace; and, a 1,514-square foot (9% of the entire lot) front yard. The first floor will contain 21 parking spaces, 950-square feet of recreational space, and a lobby/mailbox area.

Floors 2-7 will consist of 57 residential units (twenty-six 1-bedroom, twenty-five 2-bedroom, and six 3-bedroom units) on each floor. The second, third through sixth, and seventh floors will have 9, 10, and 8 units, respectively. The total square footage (including all enclosed building areas: cellar, first floor lobby and common areas, stairwells, and all upper floors) of interior space is 72,025 feet.

Excavation is estimated to extend approximately 12 feet below grade surface (bgs) for construction of the basement level. This depth will not extend below the water table, which is greater than 22 feet bgs at the Site. Approximately 4,250 tons of soil will be excavated and removed from the Site [Note: an estimated 750 cubic yards of bedrock will removed at the basement excavation area].

As part of development, the referenced lots are expected to be merged (tentative lot number is unknown at this time). A map of the proposed development project is shown in Figure 3. The current zoning designation is R6A, for residential use. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Based upon review of a Phase I Environmental Site Assessment conducted by Singer Environmental Group in December of 2013 and Ecosystems Strategies in July 2015 as well as the information provided by the Site's current owner, the following Site history was established. The property was undeveloped as early as 1897, and was first developed with the current residential structures on Lots 2 and 3 (841 and 843 Tilden) sometime between 1897 and 1908. 839 Tilden Street (Lot 4) was historically used as a farm and farm stand and has since been used for parking from at least 2001.

The AOCs identified for this Site include:

1. Use of pesticides from on-site agricultural activities may have impacted the quality of on-site soils.

Summary of the Work Performed under the Remedial Investigation

On behalf of Habitat for Humanity, Ecosystems Strategies, Inc. (ESI), performed the following scope of work at the Site in August of 2015:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);

2. Installed seven soil borings across the entire project Site, and collected twelve (seven shallow and five subsurface) soil samples for chemical analysis from the soil borings to evaluate soil quality;

3. Attempted to install three groundwater monitoring wells throughout the Site to establish groundwater flow and evaluate groundwater quality; however, refusal was encountered at depths ranging from 5 to 14 feet below grade, therefore no groundwater samples were collected. A grab sample of accumulated groundwater was collected from a piezometer installed during a subsequent geotechnical investigation. The sample was analyzed to evaluate groundwater quality within overburden soils; and

4. Installed five soil vapor probes throughout the Site and collected five samples (three sub-slab soil vapor and two soil vapor) for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from 101 to 107 feet.

2. Depth to groundwater is currently unknown; however, groundwater is greater than 22 feet below grade surface (bgs).

3. Groundwater at the property is likely present within the bedrock and direction of flow is unknown. Groundwater in the vicinity of the property is likely to follow surface elevations and travel from the northeast to southwest.

4. Depth to bedrock is approximately 10 to 14 feet at the Site.

5. The stratigraphy of the site, from the surface down, consists of 6 to 12 feet of variable texture sands (likely fill) underlain by silt and weathered rock/bedrock.

6. Soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives and Restricted Residential Soil Cleanup Objectives (SCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples collected during the RI showed trace concentrations of several volatile organic compounds (VOCs) with acetone (max 0.077 mg/kg) exceeding Unrestricted Use SCOs. Several semi-volatile organic compounds (SVOCs) consisting of Polycyclic Aromatic Hydrocarbons (PAH) compounds were also detected but none exceeding Unrestricted Use SCOs. Pesticides were detected in three shallow samples at concentrations exceeding Unrestricted Use SCOs, including 4,4'-DDD (max 0.0117 mg/kg); 4,4'-DDE (0.0127 mg/kg); and dieldrin (0.0133 mg/kg).

Total PCBs (0.333 mg/kg) exceeded Unrestricted Use SCOs in one shallow sample. Several metals including chromium (max 46.2 mg/kg); copper (max 53 mg/kg); lead (max 129 mg/kg); nickel (max 35.6 mg/kg); selenium (max 4.04 mg/kg); and zinc (max 227 mg/kg) were detected exceeding Unrestricted Use SCOs. Overall, soil chemistry is unremarkable and is similar to sites with historic fill in New York City.

7. A grab sample of groundwater was collected from a piezometer installed during a geotechnical survey. Analytical information documented low-level VOCs that are commonly associated with solvents (e.g., acetone, 4-metheyl-2-pentanone, carbon disulfide) and refined petroleum products (e.g., xylenes, toluene, 1,2,4-trimethylbenzene) that are likely derived from minor releases of automotive fluids and chemical cleaners within the on-site parking lot. Contamination from dissolved metals is limited to a high levels of magnesium, manganese, and sodium. Elevated levels of total chromium, copper, cobalt, iron, lead, selenium, and vanadium were also identified. Metals contamination in groundwater at the Site is likely derived from on-site fill and/or natural site conditions.

8. Soil vapor results collected during the RI were compared to compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor collected during the RI showed moderate levels of petroleum-related VOCs. The petroleum related compounds ranged from 0.757 $\mu g/m^3$ to 14,000 $\mu g/m^3$. Cyclohexane detected at 740 $\mu g/m^3$ and n-Hexane detected at 14,000 $\mu g/m^3$ in SV-04 were the highest detected petroleum related compounds. Total concentrations of petroleum-related VOCs (BTEX) ranged from 15 to 62.34 $\mu g/m^3$. Chlorinated VOCs were also detected with tetrachloroethylene (PCE) detected at a maximum of 112 $\mu g/m^3$ and 1,1,1-Trichloroethane detected at 1.59 $\mu g/m^3$. Carbon tetrachloride and trichloroethene were not detected in any of the soil vapor samples. Concentration for PCE was above the monitoring level ranges established within the State DOH soil vapor guidance matrix.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Habitat for Humanity, NYC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.4-acre site located at 839-843 Tilden Street in the Williamsbridge section of Bronx, New York. Residential use is proposed for the property. The RI work was performed between August 5 and 31, 2015. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 839-843 Tilden Street in the Williamsbridge section in Bronx, New York and is identified as Block 4671 and Lots 2, 3, and 4 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 17,673 square feet and consists of three contiguous parcels. Lot 2 (843 Tilden Street) is 1,895-square feet and is bounded by an adjoining multi-family residential property to the north and east, Tilden Street to the south, and Lot 3 to the west. Lot 3 (841 Tilden Street) is 5,265-square feet and is bounded by multi-family residential properties to the north, multi-family residential properties and Lot 2 to the east, Tilden Street to the south, and Lot 4 to the west. Lot 4 (839 Tilden Street) is 10,513-square feet and is bounded by a vacant parcel to the north, Lot 3 to the east, Tilden Street to the south, and a vacant warehouse to the west. A map of the site boundary is shown in Figure 2.

Currently, Lots 2 and 3 of the Site each contain a two-story, multi-family residential building with unmaintained front and rear yard areas. Lot 4 of the Site contains a small garage structure located at the southern portion of the parcel. The remainder of Lot 4 contains a paved parking area extending onto the northern portions of Lot 3.

1.2 Proposed Redevelopment Plan

The proposed development project consists of demolishing the current structures and constructing a new seven-story (59.75-foot base height), multi-family residential building (57 units) with a partial basement and landscaped rear yard. The footprint of the building will cover

12,729-square feet (72% of the lot) and will have partial basement that will occupy 6,761-square feet of the building footprint (38% of the entire lot). The basement will be used for residential storage, mechanical, boiler, laundry, storage, and maintenance rooms. The remainder of the Site will consist of: a 2,766-square (16% of the entire lot) rear yard; a 594-square feet (3% of the entire lot) terrace; and, a 1,514-square feet (9% of the entire lot) front yard area. The first floor will contain 21 parking spaces, 950-square feet of recreational space, and a lobby/mailbox area. Floors 2-7 will consist of 57 residential units (twenty-six 1-bedroom, twenty-five 2-bedroom, and six 3-bedroom units) on each floor. The second, third through sixth, and seventh floors will have 9, 10, and 8 units, respectively. The total square footage (including all enclosed building areas: cellar, first floor lobby and common areas, stairwells, and all upper floors) of interior space is 72,025 feet.

Excavation is estimated to extend approximately 12 feet bgs for construction of the basement level. This depth will not extend below the water table, which is greater than 22 feet bgs at the Site. Approximately 4,250 tons of soil will be excavated and removed from the Site [Note: an estimated 750 cubic yards of bedrock will removed at the basement excavation area].

As part of development, the referenced lots are expected to be merged (tentative lot number is unknown at this time). A map of the proposed development project is shown in Figure 3. The current zoning designation is R6A, for residential use. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The property is located in an urban area comprised primarily of residential properties. A description of the adjoining and nearby properties is provided in Table 1, below.

Table 1: Land Uses in the Vicinity of the Subject Property

Direction	Adjoining Use(s)	Vicinity Use(s)
North	• Multi-family residential	• Multi-family residential
East	• Multi-family residential	• Multi-family residential • Commercial
South	• Multi-family residential	• Multi-family residential
West	• Vacant warehouse • Paved parking lot	• Multi-family residential

Figure 2 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Based upon review of the Phase I Environmental Site Assessments conducted by Singer Environmental Group in December of 2013 and Ecosystems Strategies in July 2015 as well as the information provided by the Site's current owner, the following Site history was established. The property was undeveloped as early as 1897, and was first developed with the current residential structures on Lots 2 and 3 (841 and 843 Tilden) sometime between 1897 and 1908. Lot 4 (839 Tilden Street) was historically used as a farm and a farm stand for the sale of livestock and produce and has since been used for parking from at least 2001.

Property ownership information, based on a review of New York City computerized City Register records, is presented in Table 2, below.

Table 2: Ownership Information

Address	Owner	Date of Conveyance
Lot 4 (839 Tilden Street)	Lydia E. Molina Ratis (Current Owner)	5/30/1985
	Tahmisyan Garbis	8/18/1983
	ARA Holding Corp	4/4/1979
	City of New York	11/30/1977
	NYC (Commissioner of Finance)	unknown
Lot 3 (841 Tilden Street)	Lydia E. Molina Ratis (Current Owner)	4/13/1999
	Gladys Cordona	9/29/1993
	Lydia E. Molina	8/5/1983
	William Duenninger	unknown
Lot 2 (843 Tilden Street)	Daniel Seymour (Current Owner)	1/29/2004
	Eloise C. Walker	12/10/1987
	George Walker	7/17/1980
	Hazel Clifford	1/31/1969
	Andrew Barta	6/11/1968
	Antonia Piragnoli	unknown

2.2 Previous Investigations

A Test Boring Drawing prepared for Lots 3 and 4 (839-841 Tilden Street) by Ace Boring, Inc., in February 2015 documented the extension of three soil borings to depths ranging from

10.5 to 22 feet bgs. Fill material consisting of fine to medium texture sand with silt and gravel was noted at depths ranging from 0 to 9 feet bgs. Underlying soils consisting of fine to medium texture native sand with silt and gravel or rock fragments were identified at depths ranging from 2.5 to 9 feet bgs in two borings. Bedrock (mica-schist) was encountered at 8.5 to 16.5 feet bgs. Groundwater was not encountered in any soil borings extended at the Site. A copy of the Test Boring Drawing is provided in Appendix 1.

A geotechnical report prepared by Soil Mechanics Drilling Corp., in October 2015 documented the extension of five soil borings to depths ranging from 5.25 to 22.5 feet bgs. Fill material consisting of loose to dense soil and miscellaneous rubble was noted at depths ranging from 0 to 10 feet bgs. Underlying soils consisting of a thin layer of dense silty sand was encountered at depths ranging from 8 to 15 feet bgs. Bedrock (gneissic schist) was encountered at 12 to 15 feet bgs and groundwater was encountered at 10.8 feet bgs in a boring extended at the central portion of the property [Note: the geotechnical report identifies groundwater as likely being perched]. A piezometer was installed at the northern-central portion of the property and sampled to document groundwater quality in overburden soils at the Site.

2.3 Site Inspection

Site inspections were most recently performed by ESI during a Phase I Environmental Site Assessments (ESA) performed for each parcel in July 2015. The Phase I ESA was prepared under the direction of Paul Ciminello, a Qualified Environmental Professional (QEP). The reconnaissance included a visual inspection of the site and selection of soil, groundwater and soil vapor sampling locations. At the time of the inspection, the Site consisted of two, 2-story residential buildings and a small storage garage. No evidence of underground storage tanks or aboveground storage tanks was observed.

2.4 Areas of Concern

The AOCs identified for this site include:

1. Lots 3 and 4 (839 and 841 Tilden Street) have received E-designations based on the suspected presence of hazardous or other environmentally significant materials
2. Potential poor-quality urban fill of unknown volume.

3. Pesticide use from on-site agricultural activities may have impacted the quality of on-site soils.
4. The northwest adjoining property is a registered PBS facility with several closed NYSDEC spill events and an open spill event is reported for a nearby property to the west.

Phase 1 Report is presented in Appendix 1. A map showing areas of concern is presented in Figure 2.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Paul H. Ciminello.

Mr. Elan Peskin, representing Habitat for Humanity, NYC is the project manager for the proposed redevelopment activities.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

On behalf of Habitat for Humanity, ESI performed the following scope of work at the Site in August of 2015:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven soil borings across the entire project Site, and collected twelve (seven shallow and five subsurface) soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Attempted to install three groundwater monitoring wells throughout the Site to establish groundwater flow and evaluate groundwater quality; however, refusal was encountered at depths ranging from 5 to 14 feet below grade, therefore no groundwater samples were collected. A grab sample of groundwater was collected during a subsequent geotechnical investigation to evaluate groundwater quality in overburden soils; and,
4. Installed five soil vapor probes throughout the Site and collected five samples (three sub-slab soil vapor and two soil vapor) for chemical analysis.

4.1 Geophysical Investigation

Prior to the initiation of fieldwork, a geophysical survey of the work area was performed by Underground Surveying, LLC on August 5, 2015, in order to determine the location of underground utilities and potential subsurface anomalies. ESI personnel provided oversight for the geophysical survey and confirmed clearance for each boring location. No anomalies were identified; however, ground surfaces were marked to indicate boring and underground utilities locations.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A total of seven mechanized soil borings (SB-01 through SB-07) were extended throughout the Site on August 5, 2015, in order to evaluate surface and subsurface soil quality. All mechanized soil borings were extended by personnel from Zebra Technical Services (Cascade

Drilling, L.P.), using a track-mounted direct-push corer. All boring implements were equipped with disposable acetate sleeves (used to prevent the cross contamination of soil samples).

A MiniRAE Lite (Model PGM 7300) photo-ionization detector (PID) was utilized by ESI personnel to screen all encountered material for the presence of any volatile organic vapors where appropriate. Prior to the initiation of fieldwork, this PID was properly calibrated to read parts per million calibration gas equivalents (ppm-cge) of isobutylene in accordance with protocols set forth by the equipment manufacturer. Soil screening at mechanized boring locations was conducted at five-foot intervals to a maximum depth of fifteen feet bgs.

An assessment of subsurface soil characteristics, including soil type, the presence of foreign materials, field indications of contamination (e.g., unusual coloration patterns, or odors), and instrument indications of contamination (i.e., PID readings) was made by ESI personnel during the extension of each soil boring. ESI personnel maintained independent field logs documenting physical characteristics, PID readings, and any field indications of contamination for all encountered material at each boring location. No PID readings above background concentrations were detected.

Samples of soil material were collected from each of the soil borings where appropriate and notations were made regarding the sampled material's physical characteristics. A sufficient volume of material was collected at each sample location for the required analyses and for potential additional analyses. Soil samples were collected at various depths throughout the Site as per field observations, water table depths, and/or relative spatial separation specific to each boring location.

Boring logs prepared by a geotechnical engineer (see Section 2.2 above) are attached in Appendix 2. Boring logs and a map showing the location of soil borings extended during this RI are provided as Appendix 2 and Figure 4, respectively.

Groundwater Monitoring Well Construction

Three groundwater monitoring wells were planned for installation during this RI; however, groundwater was not encountered in any soil boring above the depth of drilling refusal on bedrock, at depths ranging from 10 to 14 feet bgs. A piezometer was installed at the northern-central portion during geotechnical investigation performed on October 22-23, 2015. The piezometer was installed to 12.5 feet bgs and a grab sample of groundwater was collected on November 2, 2015.

The piezometer was constructed of 1.5-inch PVC casing and 0.01-inch slotted PVC well screening (screen interval generally from 7.5 to 12.5 feet bgs). The annular space between the well screen and the borehole was backfilled with clean #1 silica sand and the well casing was equipped with a gripper cap. The well was completed 2.25 inches bgs.

The piezometer location is shown in Figures 4 and 5.

Water Level Measurement

Depth to groundwater was measured using an electronic depth meter accurate to the nearest 0.01-foot. Depth to groundwater for the on-site piezometer was measured on November 2, 2015. The depth to groundwater (from the top of the well casing) was noted at 9.61 feet bsg. ESI is not convinced that this elevation is accurate, since the encountered "groundwater" is likely water that accumulated within the well column and does not reflect a static, constant level over the Site.

Soil Vapor

Three (3) sub-slab soil vapor probes (designated SV-01 through SV-03) and two (2) soil vapor probes (designated SV-04 and SV-05) were installed to depths of 1.5 feet and 6 feet bgs, respectively. The soil vapor probes were installed in accordance with the NYSDOH guidance for evaluating soil vapor intrusion dated October 2006. Each soil vapor sampling point consists of a stainless steel screen, or implant, fitted with dedicated polyethylene tubing. Clean #1 silica sand was poured into the hole to fully encompass the screen implant and the hole was sealed with bentonite. A map showing the locations of soil vapor implants is shown in Figure 4.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Twelve soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 4 through 7. Figure 4 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

All soil samples collected by ESI as part of this investigation were obtained in a manner consistent with NYSDEC sample collection and decontamination protocols. All field personnel wore dedicated, disposable gloves, and all samples were placed into laboratory supplied containers. Soil samples submitted for VOC analysis were collected using laboratory-supplied volatile organic analysis (VOA) kits and dedicated disposable soil syringes. Soil samples were collected directly from the acetate sleeves.

Two soil samples (shallow and deep) were collected from each boring, with the exception of borings SB-05 and SB-06 at Lot 13, where shallow refusal was encountered. Shallow soil samples were collected at the 0-2 foot interval. Deep soil samples were collected from the base of each boring (either at 8-10 feet or 12-14 feet intervals). All soil samples collected at the Site were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, and target analyte list (TAL) metals. No evidence of contamination (i.e., positive PID readings, odors, stained soils) were noted at any boring location.

All soil samples were placed in a cooler immediately after sample collection and were maintained at cold temperatures prior to transport to the laboratory. Samples were transported via courier to York Analytical Laboratories, Inc., a New York State Department of Health-certified laboratory (ELAP Certification Number 10854) for chemical analyses. Appropriate chain-of-custody procedures were followed.

Groundwater Sampling

Groundwater was collected from the on-site piezometer and submitted for chemical analyses as part of this RI. Figures 4 and 5 show the location of groundwater sampling.

Groundwater at the Site was significantly limited in volume and, due to a lack of recharge within the piezometer, development activities were not performed. Grab samples of groundwater were collected from the well on November 1, 2015; however, an insufficient quantity was

obtained for all chemical analyses. Groundwater samples were analyzed for known contaminants of concern. Prior to sample collection, the piezometer casing was opened and the well column was immediately screened with a PID to document the presence of any volatile organic vapors. Water collected from the well was visually inspected for indications of contamination.

No positive PID readings or odors were noted at the piezometer and no sheens or odors were noted in any groundwater samples.

Groundwater samples were collected into: 40 ml vials preserved with hydrochloric acid for VOC analysis; 250 ml plastic jars preserved with nitric acid for TAL (unfiltered) metal analysis; 250 ml unpreserved plastic jars for TAL (laboratory filtered) metal analysis; and a 1 liter amber jar with no preservative for pesticide analysis. No groundwater samples were filtered prior to submission to the laboratory. New disposable gloves were worn during the collection of samples to prevent cross-contamination.

A trip blank (TB-20151102) was utilized during the handling of water samples for QA/QC purposes and was submitted for VOC analysis.

All groundwater samples were placed in a cooler immediately after sample collection and were maintained at cold temperatures prior to transport to the laboratory. Samples were transported on the following day via courier to York Analytical Laboratories, Inc., a New York State Department of Health-certified laboratory (ELAP Certification Number 10854) for chemical analyses. Appropriate chain-of-custody procedures were followed.

Soil Vapor Sampling

Five soil vapor probes were installed and five soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 4. Sub-slab soil vapor and soil vapor sample collection data is reported in Table 8. Significant soil vapor concentrations are shown in Figure 6. Methodologies used for soil vapor assessment conform to the NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006 (DOH Guidance).

Sub-slab soil vapor samples SV-01, SV-02, and SV-03 were collected within the on-site structures (located at Lots 3, 2, and 4, respectively) by drilling through the concrete floor slab, approximately 6 inches into underlying subsurface soils. Soil vapor samples SV-04 and SV-05 were collected from the paved parking area (located at Lot 4) by extending soil borings approximately 6 feet bgs. All soil vapor samples were collected by lowering an air-stone

attached to ¼" Teflon tubing into the invert of the borings which were then backfilled with clean sand. The borings were then sealed at the surfaces with a non-VOC containing clay in order to prevent the infiltration of surface air. Each soil vapor boring was purged for at least a period of five minutes, using a GilAir 3 air-sampling pump, at a rate of approximately 0.2 liters/minute. Soil-gas samples were collected into laboratory-supplied 6 liter Summa Canisters equipped with 2-hour (0.05 liter per minute) flow controllers. The Summa Canisters were calibrated for 2 hours and the soil vapor sampling was run on each canister for the duration of 2 hours. The initial vacuum (inches of mercury) and start time was recorded immediately after opening each Summa Canister. After the sampling was complete, the final vacuum and stop time was recorded.

Upon sample completion, the summa canisters were properly closed, labeled and transported via courier to Alpha Analytical Laboratories, a NYS DOH-certified laboratory (ELAP Certification Number 11627) for VOC analyses via EPA TO-15. Appropriate chain-of-custody procedures were followed.

Soil vapor sampling locations are shown in Figure 4. Soil vapor sample collection data is reported in Table 8.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Table 3: Summary of Chemical Analysis

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Adam Atkinson of ESI.
Chemical Analytical Laboratory	Chemical analytical laboratories used in the RI are NYS ELAP certified and were York Analytical Laboratories, Inc., and Alpha Analytical, Inc.
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil and soil vapor are summarized in Tables 5 through 8 and Table 9, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix 3.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Subsurface materials observed in soil borings consisted of variable texture sand (likely fill), with brick and concrete inclusions from 0 feet bgs to depths ranging from approximately 6 to 12 feet bgs. Subsurface materials underlying fill material generally consisted of silt and weathered rock/bedrock that appeared to be native materials. Bedrock was encountered at depths ranging from 10 to 14 feet bgs. Boring logs prepared for the RI are provided as Appendix 2.

Hydrogeology

Groundwater was not encountered at any soil borings extended during this RI but is expected at depths greater than bedrock at 22 feet bgs. Groundwater within the overburden was identified at 10.8 feet bsg during a subsequent geotechnical survey in one boring extended at the central portion of the Site. Groundwater accumulated within a piezometer at the northern-central portion of the Site was noted at 9.61 feet bgs. No other site-specific hydrogeological information is available at this time. Groundwater at the property is likely present within the bedrock and direction of flow is unknown. Groundwater in the vicinity of the property is likely to follow surface elevations and travel from the northeast to southwest.

5.2 Soil Chemistry

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 4 through 7. Figure 5 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 1 Soil Cleanup Objectives.

Soil/fill samples collected during the RI were compared to NYSDEC Part 375-6 Unrestricted Use (Track 1). One VOC, acetone (max. of 0.077 mg/kg), was detected above the Unrestricted Use SCO. No SVOCs were detected above Unrestricted Use SCOs. Three pesticides, 4,4'-DDD (max of 0.0117 mg/kg), 4,4'-DDE (max of 0.0127 mg/kg), and/or dieldrin (max of 0.0133 mg/kg) were detected above their respective Unrestricted Use SCOs in three shallow samples. Two PCBs, aroclor 1254 and aroclor 1260 (total of 0.333 mg/kg) were detected above Unrestricted Use SCOs in one shallow sample. Metals including chromium (max of 46.2 mg/kg), copper (max of 53 mg/kg), lead (max of 129 mg/kg), nickel (max of 35.6

mg/kg), selenium (max of 4.04 mg/kg), and/or zinc (max of 227 mg/kg), were detected above Unrestricted Use SCOs in six shallow samples and four deep samples.

The Site has historically been used for residential and agricultural purposes. Areas of concern included the E designations for suspected hazardous materials provided for Lots 3 and 4, the quality of subsurface fill materials, potential for pesticide-related soil impacts from on-site agricultural activities, and spills reported at adjoining and nearby properties.

Soil in multiple sampling locations (surface and subsurface) is impacted by metals and acetone at concentrations above UUSCOs. Shallow soils sampling at three locations are also impacted by pesticides and/or PCBs at concentrations above UUSCOs. Soil chemistry does not suggest impacts from spills reported at adjoining/nearby properties. These findings are consistent with low-level pesticide contamination from historical agricultural operations at Lot 4 and the presence of poor-quality urban fill materials.

5.3 Groundwater Chemistry

The single groundwater sample collected at the Site was compared to NYSDEC 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). Groundwater sample showed no detected concentrations of pesticides. The VOCs, 1,2,4-trimethylbenzene (0.42 ug/L), 2-butanone (0.28 ug/L), 4-methyl-2-pentanone (0.21 ug/L), carbon disulfide (0.27ug/L), methyl tertiary-butyl ether (0.5 ug/L), o-xylene (0.93 ug/L), p- &m-xylenes (1.6 ug/L), toluene (0.21 ug/L), and total xylenes (2.5 ug/L) were detected in groundwater collected at the Site, but below their respective GQS. The metals, chromium (total at 89 µg/L), cobalt (total at 32 µg/L), iron (total at 56,900 µg/L), lead (total at 101 µg/L), magnesium (total at 56,800 µg/L and dissolved at 49,300 µg/L), manganese (total at 5,000 µg/L and dissolved at 4,810 µg/L), selenium (total at 17 µg/L), sodium (total at 53,100 µg/L and dissolved at 48,500 µg/L) and vanadium (total at 105 µg/L) were detected above their GQS.

Low-level VOCs detected in groundwater are commonly associated with refined petroleum products and are likely derived from minor releases from vehicles within the on-site parking lot. Contamination from dissolved metals is limited to a high levels of magnesium, manganese, and sodium. Elevated levels of total chromium, copper, cobalt, iron, lead, selenium, and vanadium were also identified. Metals contamination in groundwater at the Site is likely derived from on-site fill and/or natural site conditions.

Data collected during the RI is sufficient to provide a general screening of groundwater within overburden soils at the Site. Actual groundwater is present within bedrock and is unlikely to be impacted by historical utilization of the property. Groundwater will not be encountered during redevelopment activities. Data summary tables (Tables 8-12) for chemical analyses performed on groundwater samples are provided in Appendix 3. Exceedance of applicable groundwater standards are shown.

Figure 6 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 Soil Vapor Chemistry

Soil vapor samples collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values, provided in the DOH Guidance. Elevated to high levels of solvents and petroleum related compounds including acetone (max of 1,200 ug/m^3), cyclohexane (max of 740 ug/m^3), and n-hexane (max of 14,400 ug/m^3), were detected in one soil vapor sample (SV-04). Carbon tetrachloride was not detected in any soil vapor sample. 1,1,1-Trichloroethane was detected in one sample at a concentration of 1.59 ug/m^3. Tetrachloroethylene (PCE) was detected in two sub-slab soil vapor and one soil vapor sample at a maximum concentration of 112 ug/m^3. Carbon disulfide, commonly used as an insecticide and fumigating agent, was detected in both soil vapor samples (max of 526 ug/m^3). Trichloroethylene (TCE) was not detected in any soil vapor sample.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 8.

Figure 6 shows the location and posts the values for soil vapor samples with significant detected concentrations.

5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

FIGURES

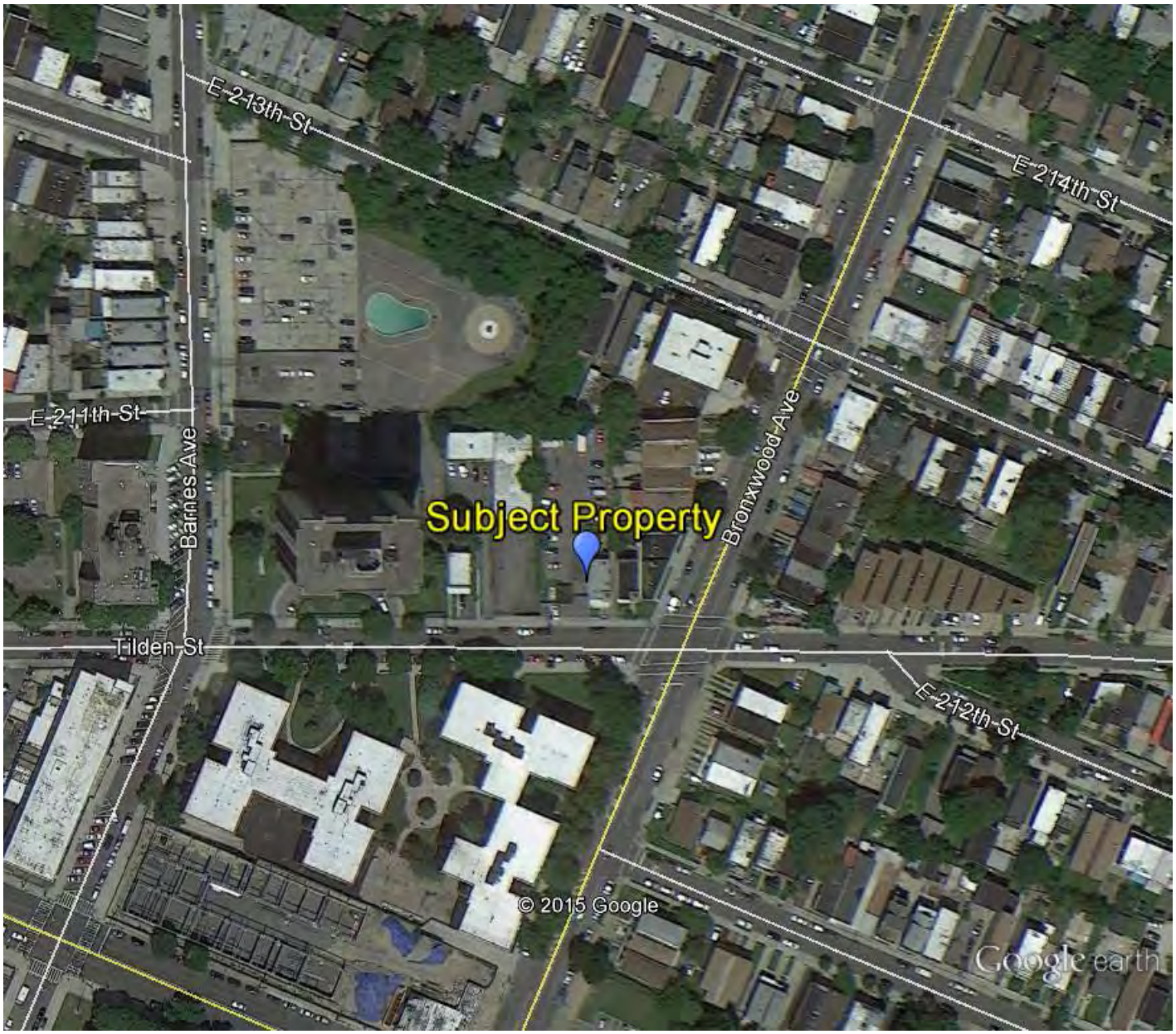


Figure 1 - Site Location Map
Sydney House
839-843 Tilden Street
Borough of Bronx, New York

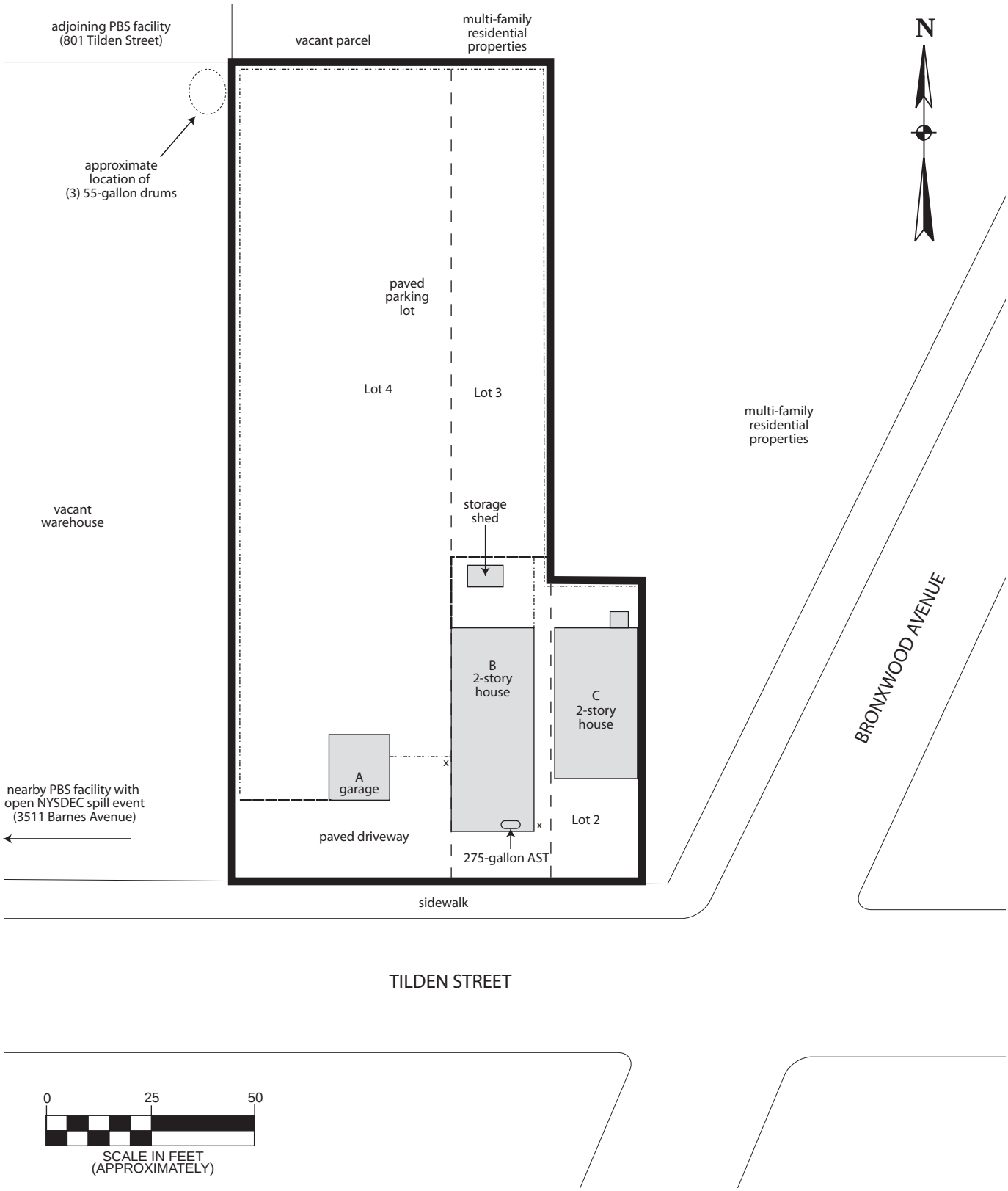
N

ESI File: HB15073.50

November 2015

Appendix A

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 2 - Selected Site Features Map

Sydney House
839-843 Tilden Street
Borough of Bronx, New York

Legend:

- subject property border
- concrete block wall
- chain link fence
- lot lines
- x fill port and vent pipe

ESI File: HB15073.50
November 2015
Scale as shown
Appendix A

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 3 - Proposed Development Plan

Sydney House
839-843 Tilden Street
Borough of Bronx, New York

Legend:

subject property border

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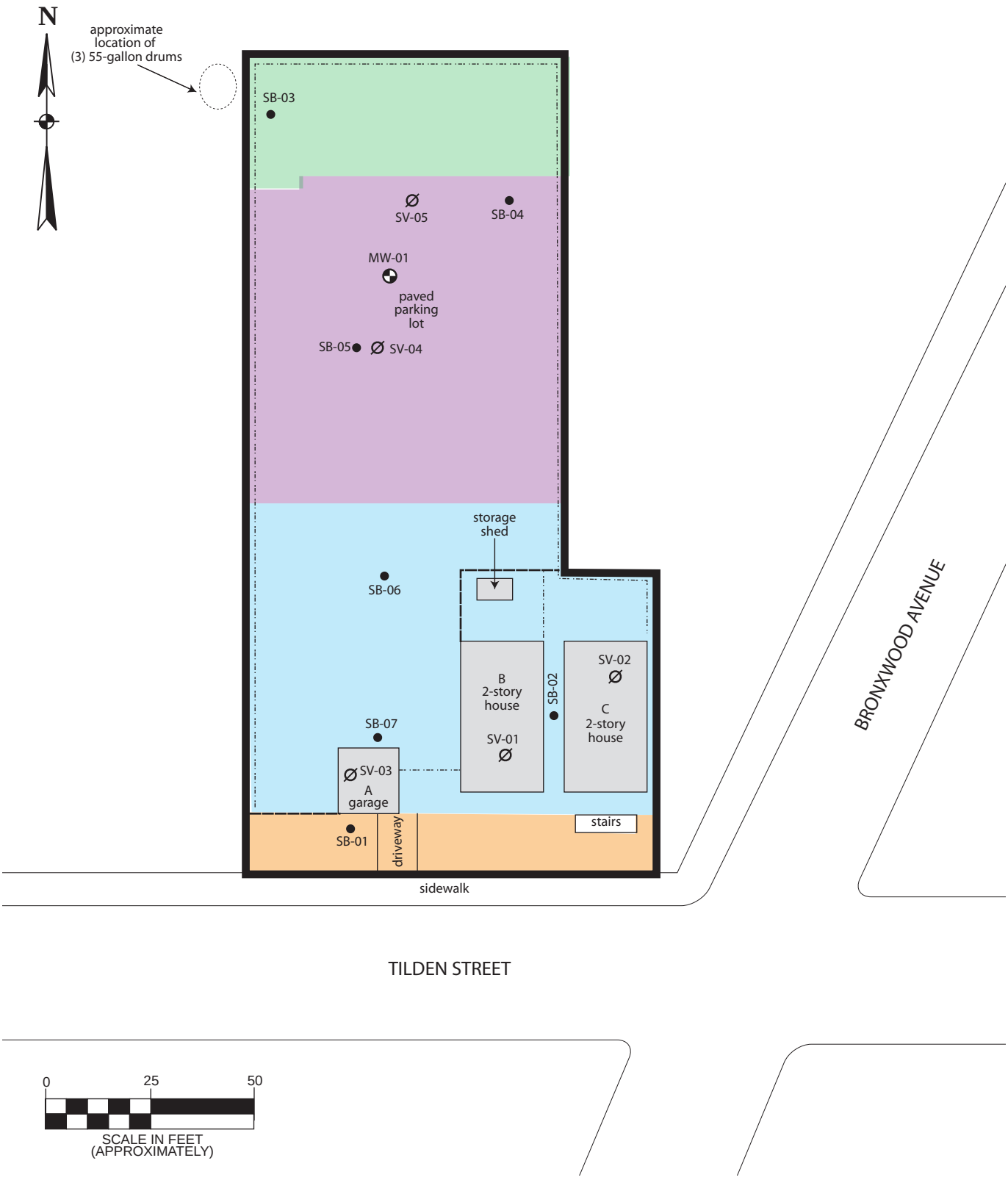
November 2015

Scale as shown

Appendix A

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 4 - Fieldwork Map

Sydney House
839-843 Tilden Street
Borough of Bronx, New York

Legend:

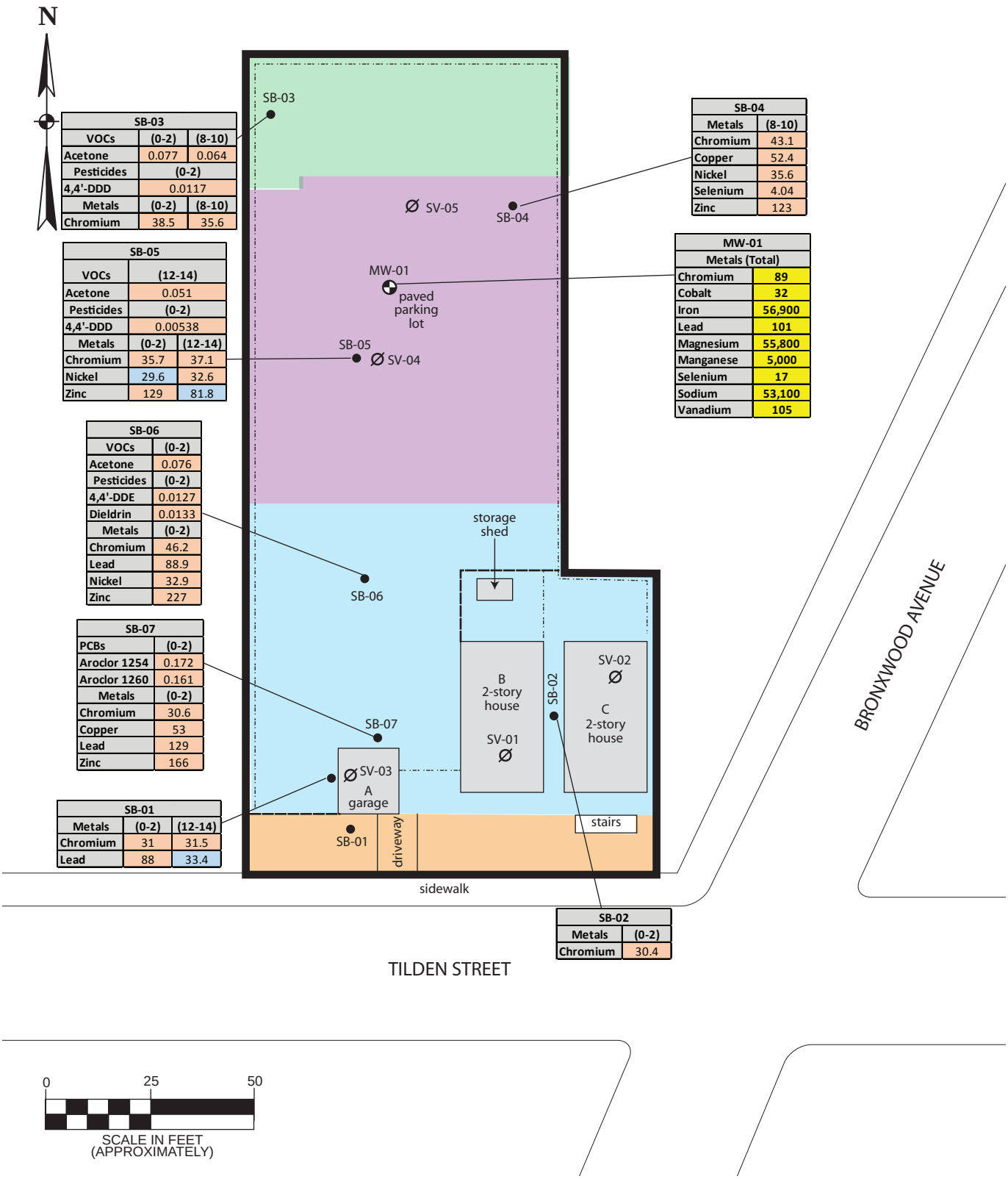
- subject property border
- concrete block wall
- chain link fence
- soil boring location
- soil vapor location
- monitoring well location
- proposed front yard
- proposed sub-grade level
- proposed slab-on grade
- proposed rear yard

ESI File: HB15073.50

November 2015

Scale as shown

Appendix A



SB-03		
VOCs	(0-2)	(8-10)
Acetone	0.077	0.064
Pesticides	(0-2)	
4,4'-DDD	0.0117	
Metals	(0-2)	(8-10)
Chromium	38.5	35.6

SB-04	
Metals	(8-10)
Chromium	43.1
Copper	52.4
Nickel	35.6
Selenium	4.04
Zinc	123

SB-05		
VOCs	(12-14)	
Acetone	0.051	
Pesticides	(0-2)	
4,4'-DDD	0.00538	
Metals	(0-2)	(12-14)
Chromium	35.7	37.1
Nickel	29.6	32.6
Zinc	129	81.8

MW-01	
Metals (Total)	
Chromium	89
Cobalt	32
Iron	56,900
Lead	101
Magnesium	55,800
Manganese	5,000
Selenium	17
Sodium	53,100
Vanadium	105

SB-06	
VOCs	(0-2)
Acetone	0.076
Pesticides	(0-2)
4,4'-DDE	0.0127
Dieldrin	0.0133
Metals	(0-2)
Chromium	46.2
Lead	88.9
Nickel	32.9
Zinc	227

SB-07	
PCBs	(0-2)
Aroclor 1254	0.172
Aroclor 1260	0.161
Metals	(0-2)
Chromium	30.6
Copper	53
Lead	129
Zinc	166

SB-01		
Metals	(0-2)	(12-14)
Chromium	31	31.5
Lead	88	33.4

SB-02	
Metals	(0-2)
Chromium	30.4

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 5 - Exceedances in Soil and Groundwater

Sydney House
839-843 Tilden Street
Borough of Bronx, New York

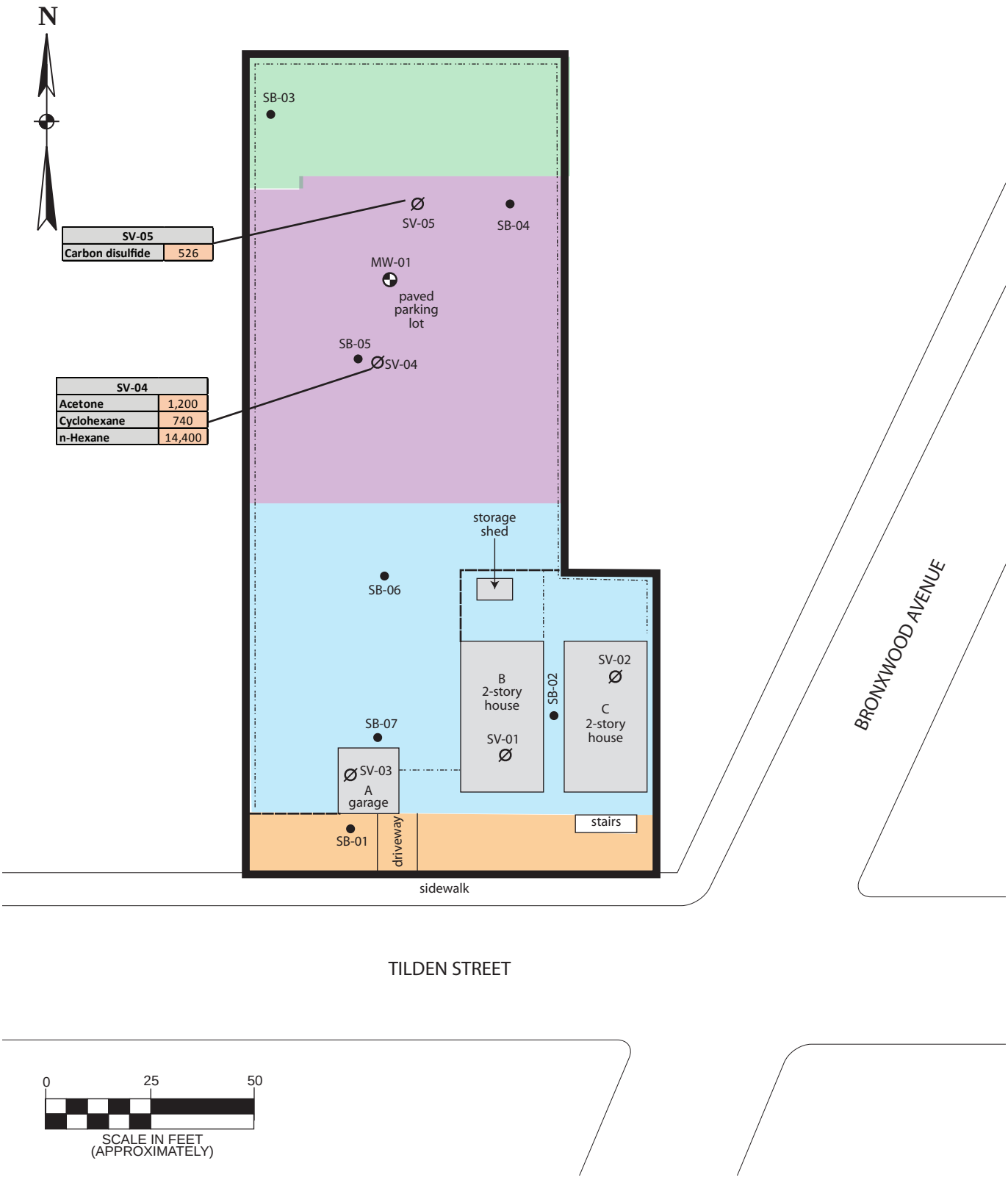
Legend:
- subject property border
- concrete block wall
- chain link fence
- soil boring location
- soil vapor location
- monitoring well location

Concentrations above AWQS
all groundwater results in ppb (parts per billion)

- proposed front yard
- proposed sub-grade level
- proposed slab-on grade
- proposed rear yard

Detected Concentrations
Concentrations > UUSCOs
all soil results in mg/kg (parts per million)

ESI File: HB15073.50
November 2015
Scale as shown
Appendix A



SV-05	
Carbon disulfide	526

SV-04	
Acetone	1,200
Cyclohexane	740
n-Hexane	14,400

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 6 - Significant Soil Vapor Concentrations
Sydney House
839-843 Tilden Street
Borough of Bronx, New York

Legend:
- subject property border
- concrete block wall
- chain link fence
- soil boring location
- soil vapor location
- monitoring well location
- proposed front yard
- proposed sub-grade level
- proposed slab-on grade
- proposed rear yard

Relatively Elevated concentrations
all results in ug/m

ESI File: HB15073.50
November 2015
Scale as shown
Appendix A

APPENDIX 1

Previous Environmental Reports

PHASE I

ENVIRONMENTAL

SITE ASSESSMENT

July 29, 2015

Site Identification:	**839-843 Tilden Street** **Borough of Bronx** **New York City, New York**
Tax Lot Identification:	**Block 4671, Lots 2, 3, & 4**
Property Description:	**0.4-acre residential property**

ESI File: HB15073.10R

Prepared By:

Ecosystems Strategies, Inc.
24 Davis Avenue, Poughkeepsie, NY 12603
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Ecosystems Strategies, Inc.

PHASE I

ENVIRONMENTAL

SITE ASSESSMENT

July 29, 2015

ESI File: HB15073.10R

Prepared By:

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Prepared For:

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111 John Street – 23rd Floor
New York, New York 10039

Phase I Environmental Site Assessment services performed by Ecosystems Strategies, Inc. have been conducted in accordance with ASTM Method E 1527-13.

The undersigned has reviewed this Phase I Environmental Site Assessment and certifies to Habitat for Humanity, NYC that the information provided in this document is accurate as of the date of issuance by this office.

Paul H. Ciminello
President

TABLE OF CONTENTS

FIGURES AND TABLES

APPENDICES

EXECUTIVE SUMMARY

Ecosystems Strategies, Inc. (ESI) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E 1527-13 of the property located at 839-843 Tilden Street, Borough of Bronx, New York City, New York.

The goal of a Phase I ESA is to identify Recognized Environmental Conditions (RECs) in connection with a property. In addition to RECs, ESI has attempted to identify:

1. Conditions that do not meet the threshold to be considered a REC but nonetheless represent a significant existing and/or likely environmental liability; and,
2. De minimis conditions that generally do not present a significant threat and would not be the subject of an enforcement action if brought to the attention of regulatory authorities.

ESI's findings, conclusions and recommendations are presented in Section 4.0 of this Phase I ESA and are summarized below.

Subject Property Description and History

The subject property is a 0.4-acre residential parcel located in an urban setting. The property was undeveloped as early as 1897, and was first developed for residential use sometime between 1897 and 1908. Available information indicates that a farm and farm stand had been located at 839 Tilden Street. Use of pesticides from on-site agricultural activities may have impacted the quality of on-site soils. No manufacturing or industrial uses of the property were identified. Current residential use of the property is not likely to represent a significant environmental threat. No further investigation of historical records is recommended. A portion of the Site has an "E" designation for hazardous materials, indicating that environmental investigative work will be required prior to any significant future site development.

Recognized Environmental Conditions

No RECs have been identified in connection with the subject property.

Historical RECs (HRECs) and/or Other Relevant Environmental Liabilities

No HRECs have been identified in connection with the subject property. Pesticide impacts to on-site soils (if present) may result in materials that require special handling if removed from the property. An environmental site investigation should be performed to satisfy requirements associated with the E designation. The small fuel-oil aboveground tank at 841 Tilden Street should be properly managed to avoid any future releases.

De Minimis Conditions

Identified or Suspect Condition	Recommendations
Storage of small quantities of paints and chemicals	Properly store containers; maintain appropriate absorbent materials in all areas where releases could potentially occur
Asbestos-containing materials (ACM) and lead-based paint (LBP)	Test suspect material encountered during maintenance, renovation, or demolition for ACM and/or LBP; handle all known or suspect materials in accordance with applicable regulations

1.0 INTRODUCTION

1.1 Purpose of the Investigation

This Phase I Environmental Site Assessment (Phase I ESA) identifies recognized environmental conditions (RECs) and/or other significant environmental liabilities resulting from or associated with the storage, use, transport, or disposal of hazardous or regulated materials on the property located at 839-843 Tilden Street, Borough of Bronx, New York City, New York (property descriptions are presented in Sections 2.1 and 3.3.2).

1.2 Methodology

This Phase I ESA has been prepared in conformance with guidelines set forth by the American Society for Testing and Materials (ASTM) Method E1527-13 (no exceptions to or deletions from this practice have occurred). The detailed Scope of Services adhered to in this investigation is provided as Appendix G. This Environmental Site Assessment was performed under the direct supervision and responsible charge of a qualified environmental professional (see Appendix H), following the requirements for "all appropriate inquiry" as defined in 40 CFR Part 312.

Ecosystems Strategies, Inc. (ESI) performed the following work:

1. Investigation of the subject property's history and characteristics through the analysis of available historical maps, local and regional maps, local governmental and/or Tribal records, and information provided by subject property representatives and other knowledgeable individuals (see Section 5.0 for references).
2. Review of Federal, State, and/or Tribal regulatory-agency computer databases and printed records for documentation of potential environmental liabilities relevant to the property, consistent with (or exceeding) applicable ASTM requirements.
3. Inspection of the property by Michelle Weisman of ESI on July 20, 2015. Tommy Gu of Almat Group (the prospective purchaser), Daniel Seymour (the owner of 843 Tilden Street), and Juan Martinez (representing the owner of 839-841 Tilden Street) were present during the site inspection.

1.3 Limitations

This Phase I ESA is an evaluation of the property described in Section 2.1 below and is not valid for any other property or location. It is a representation of the property analyzed as of the dates that services were provided. This Phase I ESA cannot be held accountable for activities or events resulting in environmental liability after the respective dates of the site inspection or historical and regulatory research.

This Phase I ESA is based in part on certain information provided in writing or verbally by federal, state, and local officials (including public records) and other parties referenced herein. The accuracy or completeness of this information was not independently verified. Unless specifically noted, the findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on professional judgment.

1.4 Definitions

Definitions of some common terms found in ASTM Standard 1527-13, as used in this Phase I ESA, are provided below.

Key Site Manager

The person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property.

Practically Reviewable / Reasonably Ascertainable

Information that is provided by a source in a manner and in a form that yields information relevant to the property without the need for extraordinary analysis of irrelevant data is Practically Reviewable. Records must be for a limited geographic area. Records arranged chronologically, lacking adequate address information to be located geographically, in large databases that are not sorted by zip code, or are so numerous to be unmanageable are not generally practically reviewable (i.e. data cannot be feasibly reviewed for its impact on the property). Information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable is Reasonably Ascertainable.

Recognized Environmental Condition (REC)

The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

A material threat is a physically observable or obvious threat which is reasonably likely to lead to a release that is threatening and might result in impact to public health or the environment.

The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

De minimis conditions (i.e. conditions that generally do not present a threat to human health or the environment and would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies) are not RECs.

Controlled Recognized Environmental Condition (CREC)

A REC resulting from a past release that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (legal or physical restrictions or limitations on the use of, or access to, a site or facility to reduce or eliminate potential exposure to remaining contaminants, or to prevent activities that could interfere with the effectiveness of a response action).

Historical Recognized Environmental Condition (HREC)

A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

2.0 SITE LOCATION AND DESCRIPTION

2.1 Description of the Subject Property

The subject property as defined in this Phase I ESA consists of the 0.4-acre property located at 839-843 Tilden Street, Borough of Bronx, New York City, New York (identified as Borough of Bronx tax lot parcels: Block 4671, Lots 2, 3, and 4). A Site Location Map is provided on Page 6.

The property is an irregularly-shaped lot located on the northern side of Tilden Street. A one-story garage and two, two-story multi-family residential buildings (Buildings A, B, and C respectively) are located in the southern portion of the property. A small storage shed is located behind building B and a paved parking lot is located in the northern and western portions. The remainder of the property contains exterior rear storage areas, unmaintained front yards, and a paved driveway. A map illustrating the layout of the property is provided on Page 7 and photographs of the property are provided in Appendix A.

2.1.1 Site Topography

Information on the subject property's topography was obtained from the review of the United States Geological Survey Topographic Map of the Mount Vernon, New York Quadrangle (a copy of the relevant portion of this map, with the subject property indicated, is provided in Appendix B).

The property is located within an area of local topography with gentle downward slopes to the southwest, towards the Bronx River. The property is shown with a surface elevation of 100 feet above mean sea level. No on-site structures are depicted on the map (the property is located in an urban area where only selected landmark buildings are depicted). The map did not indicate the presence of any soil/gravel mining operations or unusual topographic patterns indicative of landfilling activities on the subject property.

Observations made during the site inspection are in general agreement with conditions depicted on the topographic map.

2.1.2 Site Geology

A review of the Geologic Map of New York and the Surficial Geologic Map of New York (lower Hudson sheets) indicates that soils on the subject property are likely to be derived from glacial till deposits, which overlie the Manhattan Formation (consisting of schists and amphibolite). Soil maps presented in the New York City Reconnaissance Soil Survey (Soil Survey), issued by the New York City Soil and Water Conservation District, indicate that the pavement and buildings-Chatfield-Greenbelt complex (0-8% slopes) is likely to be located on the property. This soil series consists of nearly level to gently sloping areas of a mixture of anthropogenic and gneissic outwash soils with up to 80% impervious pavement and buildings covering the surface. [Note: the Soil Survey provides only a general guide to soil patterns across the city.] The presence of on-site structures suggests that soils located on the property may have been altered by cutting, regrading and/or filling activities.

The Soil Survey does not provide information regarding depth to bedrock for this soil series.

A geotechnical report for the subject property documented on-site soils consisting primarily of fill material (sand, gravel, and brick), to depths approximately 10 feet below surface grade (bsg), and noted the presence of bedrock at approximately 10 feet bsg. No overt evidence of contamination was noted in the report. A copy of this report is provided in Appendix F.

No other information regarding site-specific investigations of the subsurface (e.g., test pits or borings) has been reviewed by this office.

2.1.3 Subsurface Hydrogeology

The Soil Survey does not specifically indicate groundwater depth information for on-site soils. The previous geotechnical investigation (see Section 2.1.2) did not document the presence of groundwater up to a depth of approximately 10 feet. Shallow groundwater flow in the vicinity of the property is likely to follow overall surficial topography and be to the southwest, toward the Bronx River (located approximately 0.6-mile from the property).

2.1.4 Surface Hydrology and Wetlands

On-Site Waterbodies and Wet Areas

No waterbodies or wet areas were observed on the subject property or in the immediate vicinity during the site inspection.

Regulated Wetlands

Applicable New York State Department of Environmental Conservation (NYSDEC) and United States Department of the Interior wetlands mapping data was reviewed in order to determine the presence or absence of regulated wetlands on or in the immediate vicinity of the subject property. According to these sources, there are no surface waterbodies, wet areas, or regulated wetlands on the property. NYSDEC wetlands data indicate that a classified stream is located in the surrounding area to the west of the subject property. This stream is not depicted on the federal wetlands data map. Relevant federal and state mapping data are included in Appendix B.

Flood Plains

According to the National Flood Insurance Program Flood Insurance Rate Map (FIRM) for the City of New York, Bronx County, New York, community-panel number 360497-0038F, the subject property is not located in a flood plain.

2.1.5 Sensitive Environmental Receptors

Sensitive Environmental Receptors (SERs) are valued physical, biological and/or man-made features that may be adversely impacted by environmental contamination, and where a discharge or release could pose a greater threat than a discharge or release to other less valued areas. SERs include (but are not limited to) potable supply wells, wetlands, and protected wildlife habitat.

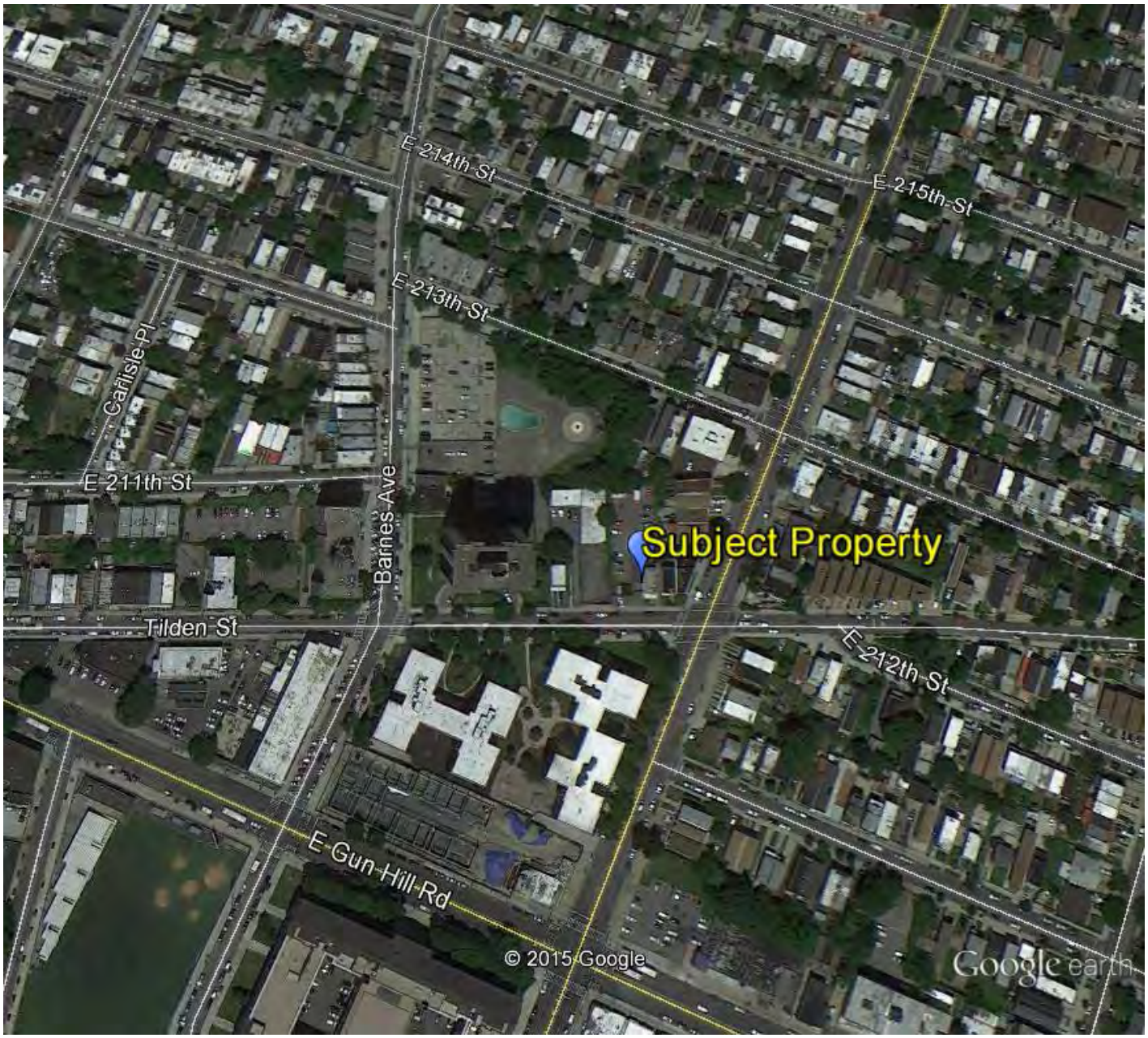
The review of maps and observations made during the site inspection indicate that no SERs are located on or in the immediate vicinity of the subject property.

2.2 Description of Adjoining and Surrounding Area Properties

The subject property is located in an urban area comprised primarily of residential properties. A description of the adjoining and nearby properties is provided in Table 1, below.

Table 1: Land Uses in the Vicinity of the Subject Property

Direction	Adjoining Use(s)	Vicinity Use(s)
North	• Multi-family residential	• Multi-family residential
East	• Multi-family residential	• Multi-family residential • Commercial
South	• Multi-family residential	• Multi-family residential
West	• Vacant warehouse • Paved parking lot	• Multi-family residential

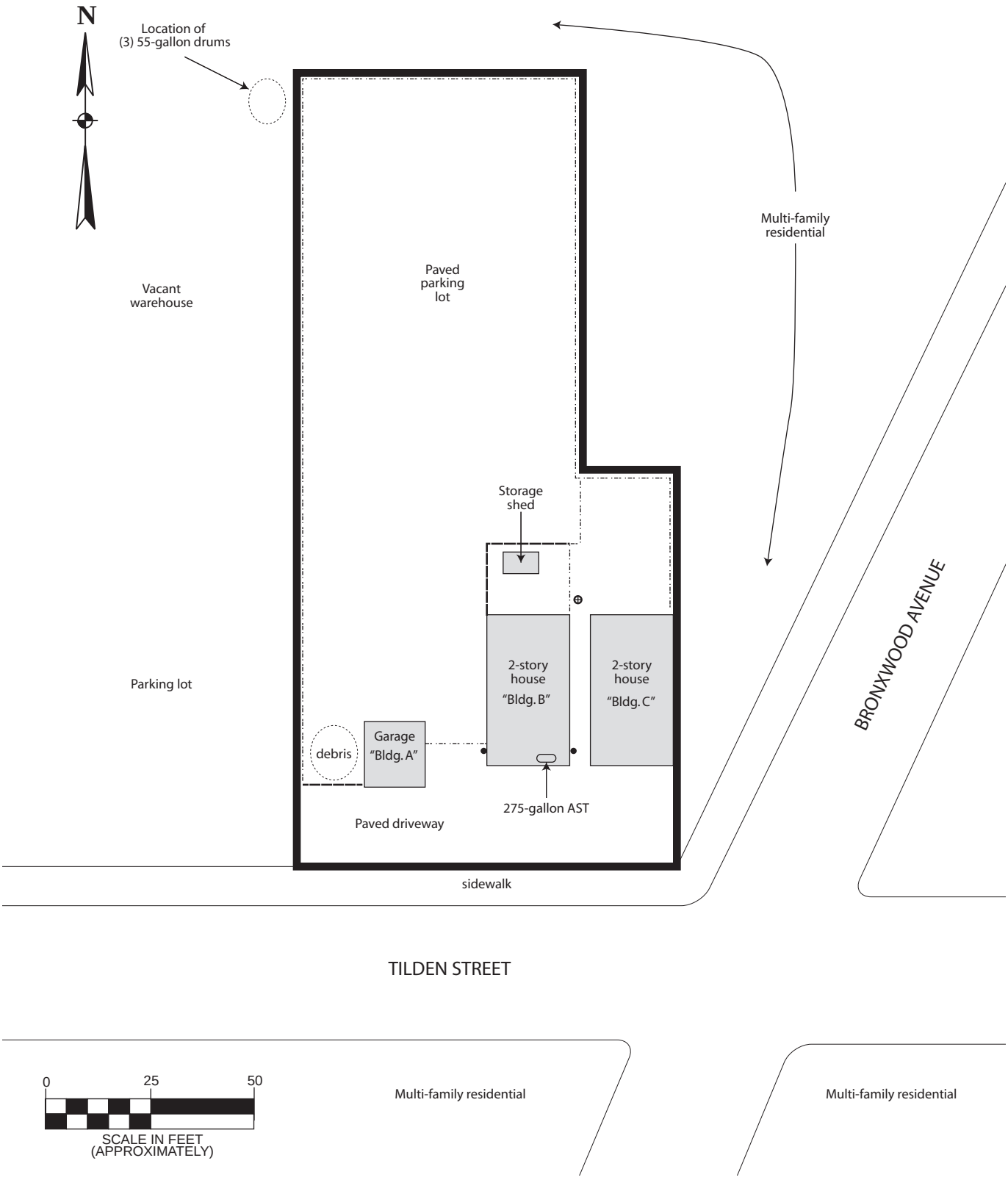


Site Location Map
839-843 Tilden Street
Borough of Bronx, New York

N

ESI File: HB15073.10R

July 2015



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Selected Site Features Map

Sydney House
839-843 Tilden Street
Borough of Bronx, New York

Legend:

- Subject property border
- Concrete block wall
- Chain link fence
- Fill port and vent pipe
- Stormwater drain

ESI File: HB15073.10R

July 2015

Scale as shown

3.0 INVESTIGATION

3.1 Site History

The history of the subject property was researched using interviews with knowledgeable individuals, and reviews of historical maps and local records. This review included both standard ASTM environmental record sources and additional sources (if such sources were judged to be reasonably ascertainable and sufficiently useful, accurate, and complete in light of the objective of the records review). Refer to Sections 3.1.3, 3.1.4 and 3.3.2.1 for site ownership and site use information.

ASTM Practice E 1527-13 requires that all obvious uses of the property must be identified from the present back to the property's first developed use (inclusive of agricultural activities), or back to 1940, whichever is earlier. This requires reviewing only as many historical sources as are necessary and both reasonably ascertainable and likely to be useful. As an example, if the property was not developed until 1960, it would still be necessary to attempt to confirm that it was undeveloped back to 1940.

Available historical data document that the property was undeveloped as early as 1897, and was first developed for residential use sometime between 1897 and 1908 (see Sections 3.1.1 through 3.1.5, below, for details regarding site history).

3.1.1 User-Reported Information

ASTM Practice E 1527-13, Section 6, requires that the User (the party seeking to complete the environmental site assessment of the property) provide specific information to the Environmental Professional in order to meet the requirements for "all appropriate inquiry".

Elan Peskin, representing Habitat for Humanity (the User), has responded to a questionnaire provided by ESI, which requested information regarding the subject property as specified in Section 6. Mr. Peskin stated that he was aware of the New York City Department of Planning "E" Negative Declaration on 839 and 841 Tilden Street for hazardous materials and air quality. Mr. Peskin had no other specialized knowledge or experience, actual knowledge, or knowledge of commonly known or reasonably ascertainable information regarding: 1) information material to recognized environmental conditions or other environmental liabilities in connection with the property; 2) the results of a review of title and/or judicial records for environmental liens/AULs; or, 3) reason(s) for a purchase price that does not reasonably reflect fair market value because of known or suspected contamination.

Mr. Peskin stated that Habitat for Humanity wanted to have the Phase I Environmental Site Assessment performed in order to document potential environmental liabilities on the subject property.

3.1.2 Interviews with Key Site Managers

Lydia Ratis (the owner of 839-841 Tilden Street for approximately 29 years) and Daniel Seymour (the owner of 843 Tilden Street for approximately 10 years) were identified as Key Site Managers for the subject property. Ms. Ratis and Mr. Seymour were interviewed by ESI personnel regarding the topics detailed in the User Questionnaire (see Section 3.1.1, above), and were additionally asked to provide specific information regarding property features, site history and use, and commonly known information related to the property. Ms. Ratis and Mr. Seymour provided ESI personnel with information regarding on-site utilities as well as the recent history of the property. Ms. Ratis stated that 839 Tilden Street formerly contained a farm and farm stand (Building A) that sold livestock and grew and sold produce. Ms. Ratis and Mr. Seymour had no other specialized knowledge or experience, actual knowledge, or knowledge of commonly known or reasonably ascertainable information regarding potential environmental conditions and/or liabilities in connection with the property. Pertinent information from these interviews is provided in relevant report sections, where appropriate.

3.1.3 Ownership Records

Property ownership information, based on a review of New York City computerized City Register records, is presented in Table 2, below. This ownership summary does not constitute a title search.

839-843 Tilden Street	Owner	Date of Conveyance
839 Tilden Street	Lydia E. Molina Ratis (Current Owner)	5/30/1985
	Tahmisyan Garbis	8/18/1983
	ARA Holding Corp	4/4/1979
	City of New York	11/30/1977
	Commissioner of Finance of the City of New York	unknown
841 Tilden Street	Lydia E. Molina Ratis (Current Owner)	4/13/1999
	Gladys Cordona	9/29/1993
	Lydia E. Molina	8/5/1983
	William Duenninger	unknown
843 Tilden Street	Daniel Seymour (Current Owner)	1/29/2004
	Eloise C. Walker	12/10/1987
	George Walker	7/17/1980
	Hazel Clifford	1/31/1969
	Andrew Barta	6/11/1968
	Antonia Piragnoli	unknown

3.1.4 Sanborn Fire Insurance Maps and City Directories

Sanborn Fire Insurance Maps

A summary of the information obtained from the review of historical Sanborn Fire Insurance Company Maps dated 1897, 1908, 1918, 1935, 1950, 1976, 1978, 1981, 1983, 1986, 1989, 1991, 1992, 1993, 1995, 1996, 1998, 2001, 2002, 2003, 2004, 2005, 2006, and 2007 is provided below. Copies of relevant Sanborn maps are provided in Appendix C (note: subject property outlines on these maps, as drawn by ESI, may vary depending on map accuracy, and are approximations chosen to best reflect likely on-site historical uses).

1897: There is no coverage for the southern portion of the map. The subject property is vacant and shown as containing two parcels and a small portion of the adjoining eastern parcel. Two, two-story structures are located on the adjoining property to the west; adjoining properties to the north and east are vacant. The southern adjoining property is not depicted on the map. The surrounding area to the north and east is moderately developed and primarily contains two-story structures. No petroleum or chemical bulk storage tanks are noted on the subject property, adjoining properties, or in the surrounding area.

1908: Municipal water is depicted as being available to the property. Two, two-story dwellings are located in the southern portion of the subject property and a one-story stable and one-story shed are located in the northern and north-central portions of the property, respectively. The adjoining property to the west contains a two-story dwelling, one-story shed, and a one-story stable labeled as "Dairy". No other significant changes are noted on adjoining properties. The two-story structures in the surrounding area are now depicted as dwellings. No other significant changes are noted in the surrounding area.

1918: The subject property is now shown as containing two parcels and the southern half of the eastern adjoining parcel. The one-story shed (previously located in the north-central portion of the subject property) is no longer depicted. No other significant changes are noted on the subject property. An addition to the southern portion of the stables on the western adjoining property and is now labeled as "Cow Barns" and the one-story shed is now labeled as "Milk Room". A two-story dwelling and one-story shed are located on an adjoining property to the north and a one-story shed is located on the adjoining property to the east. The remaining adjoining properties are vacant. No significant changes are noted in the surrounding area.

1935: The shed in the northern portion of the subject property is now a garage and a separate one-story garage is depicted in the southwest portion of the property. The cow barn located on the western adjoining property has been replaced by a large one-story garage and the milk room is no longer depicted. The adjoining properties to the north contain residential structures and a garage. No other significant changes are noted on adjoining properties. The surrounding area is now moderately developed and contains residential and light commercial buildings.

1950: The garage in the northern portion of the subject property is no longer depicted and the garage on the adjoining property to the west is now labeled as a "Refrigerator Manufactory". No other significant changes are noted on the subject property, adjoining properties, or in the surrounding area.

1976-
2005: No significant changes are noted on the subject property. The refrigerator manufactory on the western adjoining property is now a warehouse. The adjoining property to the south now contains a large apartment complex. No other significant changes are noted on adjoining properties. The surrounding area is now well developed and contains residential and light commercial buildings.

2006-
2007: No significant changes are noted on the subject property. The dwelling located on the western adjoining property is no longer depicted and two, three-story residential structures adjoin the subject property to the east. No other significant changes are noted on adjoining properties or in the surrounding area.

City Directories

Historical city directories dated 1927, 1931, 1940, 1949, 1956, 1961, 1965, 1971, 1976, 1983, 1993, 2000, 2005, 2008, and 2013 were reviewed for the subject property and for several adjoining properties. Occupants of the buildings on the subject property include individual residential tenants and a building contractor (likely an in-home office). No uses of adjoining properties were identified that are likely to represent a significant environmental threat to the subject property. Copies of these directories are provided as Appendix D.

3.1.5 Municipal and Regulatory Agency Records

City Register Records

New York City Register computerized ownership records for the subject property were reviewed on July 15, 2015. No information pertinent to the environmental integrity of the subject property was contained in these records. Readily available property ownership information is summarized in Table 2.

Assessor's Office Records

New York City Assessor's Office computerized data for the subject property were accessed on July 15, 2015 using the Center for Urban Research's Open Accessible Space Information System (OASIS). According to these records, 839 Tilden Street contains a one-story garage built in 1947, and 841 and 843 Tilden Street each contain a two-story multi-family residential structure built in 1925. [Note: these dates of construction are likely an estimate and conflict with information found in Sanborn Maps]. No other information pertinent to the environmental integrity of the subject property was present in these records.

Building Department Records

Block and Lot Records

New York City computerized Building Department Block and Lot records for the subject property were reviewed on inspection date. No references were found to permits/documents potentially pertaining to the on-site storage or use of petroleum products or chemicals, or to activities potentially associated with the handling of hazardous materials. Included in the records was a building permit (issued in 2003) and a certificate of occupancy (issued in 2004) for the construction and use of a parking lot at 839 Tilden Street.

839 and 841 Tilden Street are indicated as "'E" designated sites, which is a designation identifying potential environmental issues (related to either air quality, hazardous materials or noise) that may be associated with a specific property or a group of properties. Building Department permits may not be issued for redevelopment of identified properties until specific requirements are reviewed and approved by the NYCDEP Office of Environmental Remediation (OER). 839 and 841 Tilden Street have received E designations based on the suspected presence of hazardous or other environmentally significant materials, indicating that environmental investigation and/or remediation may be required by OER prior to site development. In addition, 841 Tilden Street has received an E designation based on air quality.

Environmental Control Board (ECB) Violations

A review of computerized Building Department records indicates there are three open ECB violations for 839 Tilden Street regarding construction without a building permit; however, the ECB Hearing Status of these violations is "Written Off".

Local Agency Interviews

NYSDEC

A request was made on July 13, 2015 to search the available NYSDEC records for information regarding the subject property. No response from this agency has been received by this office as of the date of this Phase I ESA.

NYC Fire Department

A request was made on July 14, 2015 to search the available New York City Bureau of Fire Prevention records for information regarding the subject property. A response from this agency was received on July 28, 2015 stating that no existing or removed fuel tanks are located on the subject property.

3.2 Review of Federal and State Agency Records

Federal and state computer databases and printed records were reviewed for documentation of environmental conditions and/or liabilities relevant to the property.

3.2.1 Methodology

The following ASTM Standard Environmental Record Sources (as available for the subject property's locality) were reviewed (search distances are consistent with, or exceed, ASTM requirements).

Federal National Priority List (1.0 mile) and delisted National Priority List sites (0.5 mile)
Federal CERCLIS list and CERCLIS NFRAP site list (0.5 mile)
Federal RCRA CORRACTS facilities list (1.0 mile)
Federal RCRA non-CORRACTS TSD facilities list (0.5 mile)
Federal RCRA generators list (subject/adjoining properties)
Federal ERNS list (subject property)
Federal, State, and Tribal Institutional Control / Engineering Control registries (subject property)
State- and Tribal-equivalent NPL (1.0 mile)
State- and Tribal-equivalent CERCLIS (0.5 mile)
State and Tribal Brownfield and voluntary cleanup sites (0.5 mile)
State and Tribal leaking storage tank lists (0.25 mile)*
State (including locally administered) and Tribal registered storage tank lists (subject/adjoining properties)
State and Tribal landfill and/or solid waste disposal site lists (0.5 mile)

* *The search distance for this ASTM database has been reduced due to the high level of development of the area in which the subject property is located.*

The following Additional Environmental Record Sources (as available for the subject property's locality) were reviewed in order to enhance and supplement the review of standard sources:

State spill file records (0.25 mile)
State MOSF list (0.5 mile)
State radon data (by local municipality as available)
Federal and State wastewater discharge permits (subject/adjoining properties)

A copy of relevant portions of a database search conducted by Environmental Data Resources, Inc. (EDR) for ESI is provided in Appendix E. Not all of the sites contained in the attached database search may be referenced below; some sites may have been excluded based on either ASTM requirements, ESI's scope of services or professional opinion, and/or information obtained during the review of historical records and the site inspection. Some information may have been deemed to not be practically reviewable (e.g., records lack adequate address information). Sites or additional information not included in the database search may also be referenced based on ESI's knowledge of the subject property area.

Where sites have been identified within the specified approximate minimum search distances, ESI's opinion is presented as to any possible impacts that might result in RECs in connection with the subject property, arising from the migration of contaminated soil, soil vapor and/or groundwater. Evaluation of potential impacts to the subject property is based on: distance and direction to the identified site; type of regulated materials and other relevant information found in available records; presence of intervening roadways and/or other physical conduits; local physical setting (topography, soil conditions, geology, hydrology, etc.); and other information known to ESI. Potential vapor encroachment conditions, if any, have been evaluated (as warranted) following the methodology provided in ASTM Standard E2600-10, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.

3.2.2 Findings of Regulatory Records Review

Federal Hazardous Waste-Contaminated Sites

The subject property is not identified on the United States Environmental Protection Agency's (USEPA): National Priority List (NPL) of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions; CERCLIS list of sites that are proposed to the NPL or that are in the screening and assessment phase for possible proposal to the NPL; CERCLIS No Further Remedial Action Planned (NFRAP) list, which are former CERCLIS sites that were delisted because no significant hazardous waste contamination was found, or because the site has been remediated; or Federal Brownfields list of sites with known or potential contaminants receiving federal cleanup funding.

The subject property is not identified on readily available USEPA Institutional Control/Engineering Control registries.

No NPL sites are located within one mile of the property and no CERCLIS sites or delisted NPL sites are located within a half mile of the property.

State Sites

Inactive Hazardous Waste Disposal Sites

NYSDEC maintains a Registry of Inactive Hazardous Waste Disposal Sites (IHWDS), a state equivalent to the federal NPL, which are commonly referred to as "Registry" or "Superfund" sites. Sites are placed on the Registry if there is evidence that hazardous waste was disposed and NYSDEC and NYSDOH determine that a significant threat to public health is present. When a site has been remediated, it is reclassified or removed from the Registry (delisted) to indicate that the significant threat(s) has been addressed. Non-Registry sites may (but usually do not) also present significant threats.

The subject property is not identified as a NYSDEC IHWD site, and has not been listed as a site under investigation for inclusion in the IHWDS Registry (a state equivalent to the federal CERCLIS List).

No NYSDEC IHWD sites are located within one mile of the property.

Voluntary Cleanup, Brownfields Cleanup, and Environmental Restoration Programs

Significantly contaminated properties that are not Registry sites may be listed in NYSDEC database records based on participation in the Voluntary Cleanup (VCP), Brownfields Cleanup (BCP) or Environmental Restoration (ERP) NYSDEC environmental remediation programs.

The subject property has not been identified as a NYSDEC remedial program site.

The following NYSDEC environmental remediation program site has been identified:

Site Name (Program)	Site ID	Distance/Direction	Classification Code
904 Burke Avenue, LLC (BCP)	C203032	0.39 mile, S	A – active site, work is ongoing

Based on ESI's review of reported information, this site is not likely to significantly impact the subject property.

Registry of Institutional and Engineering Controls in New York State

The subject property is not identified on the NYSDEC's Registry of Institutional and Engineering Controls in New York State.

Federal Hazardous Waste Handlers

The USEPA Resource Conservation and Recovery Information System (RCRIS) database details facilities that report treatment, storage or disposal of hazardous waste (TSD facilities) or generation or

transportation of hazardous waste. Facilities that have been notified by the USEPA to take corrective action with regard to their handling of hazardous waste are classified as CORRACTS facilities.

CORRACTS and/or TSD Facilities

The subject property is not registered with the USEPA as a CORRACTS and/or TSD facility for hazardous waste or materials.

No CORRACTS and/or TSD facilities are located within one mile of the property.

Generators or Transporters (Non-CORRACTS)

The subject property is not registered with the USEPA as a generator or transporter of hazardous waste.

No generators or transporters of hazardous waste are located on adjoining properties.

Landfills and Solid Waste Disposal Facilities

The NYSDEC's Facility Register does not list the subject property as an active or inactive landfill or solid waste disposal facility.

No landfills or solid waste disposal facilities are located within a half mile of the property.

Chemical Bulk Storage (CBS)

A review of NYSDEC records indicates that the subject property and adjoining properties are not registered as CBS facilities. Observations made during the site inspection did not indicate the presence of chemical bulk storage on the subject property or at adjoining properties.

Petroleum Bulk Storage

Subject Property

A review of the NYSDEC PBS database indicates that the subject property is not registered as a PBS facility. Observations made during the site inspection indicated the presence of a 275-gallon aboveground storage tank (AST) located in the southeast corner of the basement of 841 Tilden Street. According to Lydia Ratis, this tank has been at the property since at least 1983.

Local, State, and Federal PBS Regulations

NYSDEC Petroleum Bulk Storage regulations (6 NYCRR Parts 612-614) apply to facilities with a combined storage capacity greater than 1,100 gallons, properties with USTs greater than 110 gallons and/or properties with waste-oil USTs and/or ASTs regardless of capacity (storage capacity excludes tanks of 1,100 gallons or less used to store oil or kerosene for on-site heating, and includes out-of-service regulated tanks that have not been permanently closed). Based on the known capacity and use of the on-site tank, the property is not subject to these PBS regulations.

New York City Fire Department Regulations

New York City Fire Department (FDNY) regulations require that all petroleum storage tanks with a capacity of 275-gallons or greater be appropriately permitted by this agency. A FDNY permit for the on-site tank is not known to have been obtained for the subject property and no records of any existing or removed tanks were reported by the FDNY.

Federal Regulations

Federal regulation 40 CFR Part 112 applies to facilities storing greater than 1,320 gallons of petroleum product aboveground (inclusive of all containers with a capacity of 55-gallons or more), where there is a

reasonable potential for a discharge to reach navigable waters. Based on the known storage capacity of the subject property (275-gallons aboveground), the property is not subject to these regulations.

Adjoining Properties

A review of the NYSDEC PBS database indicates that the properties at 836 Tilden Street and 801 Tilden Street are PBS facilities.

836 Tilden Street (PBS Number: 2-349976) adjoins the subject property to the south and contains one storage tank:

Tank ID and Status	Capacity (gal)	Contents	Tank Details
001 – in service	25,000	#2 fuel oil	underground, steel/carbon steel

801 Tilden Street (PBS Number: 2-188336) adjoins the northwest corner of the subject property and contains one storage tank.

Tank ID and Status	Capacity (gal)	Contents	Tank Details
001 – in service	25,000	#6 fuel oil	underground, steel/carbon steel

Several closed NYSDEC spill events are reported for 801 Tilden Street (see the State Chemical and Petroleum Spill and Leaking Underground Storage Tank Events subsection, below). No NYSDEC spill events are reported for 836 Tilden Street.

Major Oil Storage Facilities

The subject property is not listed with the NYSDEC as a major oil storage facility (MOSF). No MOSFs are located within a half mile of the property.

Federal Chemical and Petroleum Spills

The USEPA Emergency Response Notification System (ERNS) database details initial reports of releases of oil and hazardous substances as reported to federal authorities. There are currently no chemical or petroleum spills on record for the subject property.

State Chemical and Petroleum Spill and Leaking Underground Storage Tank Events

NYSDEC database records were reviewed to determine possible impacts from leaking tanks and other reported releases within a quarter mile of the subject property. No spill events are known to have occurred at the subject property. The following spill events are reported for the northwest adjoining property.

Spill File ID and Status	Location	Material Spilled	Spill Date (Closure Date)
1403898 – closed	801 Tilden Street	#6 fuel oil, 20 gallons	July 10, 2014 (September 26, 2014)
0003731 – closed	801 Tilden Street	Dielectric fluid 20 gallons	June 27, 2000 (April 9, 2004)
0003736 – closed	801 Tilden Street	Unknown petroleum 5 gallons	June 27, 2000 (April 9, 2004)
1114463 – closed	801 Tilden Street	Unknown petroleum Quantity unknown	March 29, 2012 (May 10, 2012)

Spill number 1403898 was reported for the northwestern adjoining property when the on-site underground storage tank (UST) overflowed. According to the database report approximately 20 gallons of fuel oil impacted soil in the “back yard” and 41 drums of impacted soil was removed from the site. The report states that post excavation samples collected from the site were below applicable guidance levels. The

spill was closed approximately 3 months later. State cleanup standards are listed as not having been met.

Spill number 0003731 was reported when a transformer leaked approximately 20 gallons of dielectric oil. According to the database report the defective transformer was cleaned and removed from the property. The spill was closed approximately four years later. State cleanup standards are listed as not having been met.

Spill number 0003736 was reported when contaminated soil was observed in a nearby manhole. According to the database report oil was observed seeping into the sump in the manhole and a petroleum odor was observed. The database report states that the sump was sealed when no more oil was observed and that test results of the contaminated soil "met the criteria for not calling". The spill closed approximately four years later. State cleanup standards are listed as not having been met.

Spill number 1114463 was reported when oil was observed coming from the vent pipe at the northwest corner of the building. The database report states that based upon the findings no further action was required. The spill closed approximately one month later. State cleanup standards are listed as having been met.

The following relevant spill events are reported for properties within the search radius:

Spill File ID and Status	Location	Material Spilled	Spill Date (Closure Date)
9607944 – open	3511 Barnes Avenue	#6 fuel oil, Quantity unknown	September 24, 1996

Spill number 9607944 was reported for 3511 Barnes Avenue when a 15,000 gallon fuel oil UST leaked into the basement of the on-site building. According to the database report a remedial action work plan (including a tank closure, and installation of recovery/monitoring wells) has been accepted by the DEC and work was expected to commence in May 2015. The spill remains open.

Based on ESI's review of the reported information, impacts to the subject property from these spill events (if any) are likely to be minimal. No other relevant spill events were identified.

Air Discharges

No NYSDEC permits for air discharges from the subject property are known to exist. No operations likely to require a NYSDEC air discharge permit were noted on the subject property.

Wastewater Discharges

No USEPA National or NYSDEC State Pollutant Discharge Elimination System (NPDES or SPDES) permit was identified for the subject property. No operations likely to require a NPDES or SPDES permit were noted on the subject property. According to municipal records the subject property is connected to the municipal wastewater system. No adjoining properties are registered as NPDES or SPDES facilities.

Radon

Information on radon levels was obtained from New York State Department of Health (NYSDOH) documents. No regulatory standards for radon levels currently exist in New York State. The USEPA has established a guidance value (the level where mitigation measures may be appropriate) for radon concentrations of 4.0 or greater picoCuries/liter (pCi/l). Other regulatory authorities (e.g., OSHA) have established guidance levels that are directly related to specific site activities (a determination as to applicable radon guidance levels is beyond the scope of this report). A summary of available radon information for the subject property's vicinity is provided below in Table 3.

Table 3: Basement Radon Levels in Vicinity of Subject Property
All radon levels provided in picoCuries/liter (pCi/l)

NYSDOH Radon Information	Borough of Bronx	New York City
Number of Homes Tested	92	1,408
Average Radon Level	0.85	0.90
Percent of Homes >4.0 pCi/l	7.6%	6.8%

These average radon levels are below the USEPA's guidance value of 4.0 pCi/l and less than 10% of the homes tested in the subject property's vicinity had levels in excess of this guidance value. These data support the conclusion that elevated radon levels are not likely to be present on the subject property. According to available information, radon testing has not been conducted on the subject property.

3.3 Site Inspection

3.3.1 Protocol

The site inspection was conducted on July 20, 2015 in order to address any potential concerns raised during the investigation of the site's history (Section 3.1) and the regulatory agency records review (Section 3.2), and to identify any additional indications of contamination from the use, storage, or disposal of hazardous or regulated materials. To the extent possible, site structures, vegetation, topography, surface waters, and other relevant site features were examined for any obvious evidence of existing or previous contamination or unusual patterns (e.g., vegetative stress, soil staining, surface water sheen, or the physical presence of contaminants), which would indicate that the environmental integrity had been or could be impacted.

Section 3.3.2 describes the physical characteristics of the subject property. Section 3.3.3 is divided into topics on specific environmental conditions or concerns, actual or potential, noted on the subject property during the site inspection. Section 3.3.4 describes the physical characteristics of adjoining properties as they concern the potential or actual environmental condition of the subject property.

A Selected Site Features Map illustrating the general layout of the subject property and the locations of specific areas of concern (if any) is provided on Page 7. Photographs of the subject property are provided in Appendix A.

3.3.2 Physical Characteristics of the Subject Property

Note: Access to the first floor apartment of 841 Tilden Street, second floor apartment of 843 Tilden Street, and storage shed behind 841 Tilden Street was not available during the site inspection.

3.3.2.1 Property

The subject property is comprised of three contiguous tax lot parcels occupying 0.4-acres on the northern side of Tilden Street (104 feet of frontage) and extends approximately 190 feet to the north. The southern portion of the property contains three main structures (see below). A small storage shed is located behind Building B and a paved parking lot is located in the northern and western portions of the property. The remainder of the property is exterior rear storage areas behind residential structures, unmaintained front yards, and a paved driveway. Tilden Street defines the southern border, the remaining property lines are defined by chain-link fences

3.3.2.2 Structures

Building A (839 Tilden Street) is a one-story wooden structure with a pitched roof. Exterior siding is wood and the roof is covered with asphalt shingles. New York City Assessor's Office records indicate that the

building dates from 1947; Sanborn maps, however, suggest a construction date between 1918 and 1935. The building is used for storage space and parking. Interior floors are covered with brick. Walls and ceilings are exposed wood and metal.

Building B (841 Tilden Street) is a two-story masonry structure with a full basement and combination flat and gabled roof. Exterior siding is brick and the roof is likely covered with asphaltic materials (note: the roof was not accessible during the site inspection). New York City Assessor's Office records indicate that the building dates from 1925; Sanborn maps, however, suggest a construction date between 1897 and 1908. The building contains three apartments (two two-bedroom units and one one-bedroom unit). Interior floors are covered with ceramic and 12" by 12" composite floor tiles and concrete. Walls and ceilings are generally covered with plaster.

Building C (843 Tilden Street) is a two-story masonry structure with a full basement and combination flat and gabled roof. Exterior siding is wood and the roof is likely covered with asphaltic materials (note: the roof was not accessible during the site inspection). New York City Assessor's Office records indicate that the building dates from 1925; Sanborn maps, however, suggest a construction date between 1897 and 1908. The building contains two apartments (two two-bedroom units). Interior floors are covered with ceramic and 12" by 12" composite floor tiles. Walls and ceilings are generally covered with plaster.

Potable Water Supply

According to available information, the subject property is serviced by the municipal water system. No water supply wells were noted on the subject property during the site inspection and no on-site uses of groundwater are known to exist for the subject property.

Sewage Disposal System

According to available information, the on-site structures are connected to the municipal sewer system.

Heating/Cooling

Building B is heated with hot water generated by an oil-fired boiler in the basement. Building C is heated with hot water generated by a natural gas boiler in the basement. Cooling in both structures is provided by window-mounted air conditioning units. Natural-gas water heaters are located near the boilers. No heating or cooling is provided for Building A.

3.3.3 Specific On-Site Environmental Conditions

Debris Areas

Approximately 10-15 cubic yards of construction and demolition debris, primarily consisting of plastic siding and wood, is present in the southwest corner of the parking lot. Construction and demolition debris is a potential source of materials containing lead and asbestos.

Scattered household trash was noted in the southwest corner of the parking lot and along the chain link fences bordering the paved parking lot. None of these materials are likely to represent a threat to the environmental integrity of the subject property.

Petroleum Storage

One, 275-gallon fuel oil AST is located in the southeastern corner of the basement of Building B. Slight staining was noted on the tank around the associated piping. No other signs of staining, corrosion, or leakage was noted. The fill port and vent pipe servicing the AST are located on the eastern and western exterior wall of the building, respectively. No staining was noted on or near the fill port and vent pipe. Several small containers of petroleum products (lubricants, etc.) were observed in the parking lot and Building A. No staining or other evidence of a release from these containers was observed. No other

small quantities of petroleum products, aboveground storage tanks or indications of underground petroleum storage tanks (e.g., fill ports or vent pipes) were observed on the subject property.

Chemical Storage

Numerous small containers of paint products were observed in the basement of Building C. The containers were stored on the floor and no evidence of a release (e.g. staining, odors, etc.) was noted during the site inspection. No other small quantities of chemical products, aboveground chemical storage tanks or indications of underground chemical storage tanks (e.g., fill ports or vent pipes) were observed on the subject property.

Asbestos-Containing Materials

Asbestos-containing materials (ACM) are those materials containing over 1% of any type of asbestos. The presence or absence of asbestos within a material can only be determined through the physical analysis of material samples.

Asbestos has been incorporated into a wide variety of building products based on its thermal and resilient qualities, including insulation, flooring, siding, roofing, plaster/joint compounds, caulking, ceiling tiles, textured paints and pipewrap. Although ACM are no longer used as extensively as they were prior to the 1970s (when the federal government began regulating and/or prohibiting the use of ACM in specific applications), asbestos may still be found in common building products used today, such as cement products, roofing and vinyl floor tile.

According to available information, no asbestos survey of the subject property has been conducted. Suspect ACM noted during the site inspection included 12" by 12" composite floor tiles, plaster walls, and asphalt shingles. Floor tiles in the stairwell of Building B and in the entrance to Building C were noted to be heavily worn, cracked and/or missing. All other materials appeared to be in good condition. Other building construction materials not readily observable during the site inspection (e.g., mastics, pipe insulation present within walls, etc.) could also contain asbestos.

Lead-Based Paint

The presence or absence of lead-based paint (paint containing 0.5% lead by weight) can only be determined through the material analysis of paint samples. However, given that the manufacture of lead-based paint (LBP) has been regulated since 1978, a building's date of construction is often used to help assess the likelihood that LBP was used during initial construction and/or subsequent maintenance work. The presence of deteriorated paint is indicative of a potential health risk in that paint dust and chips containing lead could be inhaled and/or ingested.

According to available information, a lead-based paint survey of the subject property's structures has not been conducted. The dates of construction of the on-site buildings (between 1897 and 1935) indicates that LBP is likely to have been used; however, in the absence of a LBP survey, no definitive statement can be made by this office regarding the presence or absence of LBP on the subject property.

Paint in poor condition was noted on the front porch and entrance way to Building C, and on the concrete block wall surrounding the entrance to the paved parking area. All of the other painted surfaces in the areas inspected by this office were in good condition at the time of the site inspection.

Wastewater Discharges

The term "wastewater" indicates water that: (1) is or has been used in an industrial or manufacturing process; (2) or is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant; (3) or conveys or has conveyed sewage (water originating on or passing through or adjacent to a site, such as stormwater flows, is not generally considered to be wastewater). No evidence

of wastewater discharges into drains, ditches, or streams on or adjacent to the property was observed during the site inspection.

Interior Floor Drains/Sumps/Conduits

A floor drain and sump were observed in the basement of Building B. No staining, odors, or other evidence of contamination was noted in or near the drain or sump. According to available information, all floor drains inside the buildings lead to the municipal sewage system. No other floor drains, sumps, or conduits to the subsurface were noted inside on-site structures.

Stormwater Management and Exterior Drains/Sumps/Conduits

A stormwater drain was observed between the rear entrances to Buildings B and C. No staining, odors, or other evidence of contamination was noted in or near any of the drains. According to available information, the stormwater drain leads to the municipal stormwater system No other exterior stormwater catch basins, drains, sumps, or other potential significant conduits to the subsurface, or indications of liquid discharges into drains, ditches, or streams on or adjacent to the property, were observed on the subject property.

Staining/Corrosion/Leaks

Staining was noted in several areas of the parking lot of the subject property. This staining is likely related to leaking on-site cars and is not indicative of a significant release. No other evidence of corrosion, leaks, or staining (indicative of an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products onto the subject property) was observed during the site inspection.

Topographic Irregularities

No overt topographic irregularities (e.g., sinkholes or berms) indicative of the presence of non-natural materials (including debris) in the subsurface were observed on the subject property.

Vegetative Features

No overt areas of stressed or dying vegetation indicative of the presence of contaminants in surface or subsurface soils were observed on the subject property.

Pits, Ponds, or Lagoons

No pits, ponds, or lagoons exhibiting evidence (e.g., discolored water, distressed vegetation, obvious wastewater discharge) of holding liquids or sludge containing hazardous substances or petroleum products were observed on the subject property.

Surface Waters

No surface water bodies are located on the subject property.

Odors

No unusual odors indicative of the presence of contamination were noted during the site inspection.

PCBs

An inspection for the presence of equipment likely to contain polychlorinated biphenyls (PCBs) was conducted by this office. PCBs were widely used in equipment such as transformers, capacitors, and hydraulic equipment until 1979 when the USEPA regulated their use in this capacity. No equipment likely to contain PCBs was noted on the subject property.

3.3.4 Environmental Concerns at Adjoining and Nearby Properties

Adjoining and nearby properties were observed from the subject property and from public thoroughfares for the purpose of identifying any recognized environmental conditions or other potential environmental concerns. Three 55-gallon drums were observed on the western adjoining property near the northwest corner of the subject property. These drums were noted to be free of staining and corrosion and no strong odors were noted. No other relevant environmental conditions were noted on adjoining or nearby properties.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Ecosystems Strategies, Inc. (ESI) has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the property located at 839-843 Tilden Street Borough of Bronx, New York City, New York. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report. The Environmental Professionals preparing this report have not identified any significant data gaps that affect their ability to identify recognized environmental conditions (RECs).

This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the property.

ESI's major findings, conclusions and recommendations (in **bold**) regarding any RECs and any other potential environmental liabilities associated with the property are presented below. Cost estimates for any proposed investigations and/or remedial actions are provided in *italics* where appropriate.

1. The subject property was undeveloped since 1987 and was first developed for residential purposes sometime between 1897 and 1908. No evidence of industrial or manufacturing use of the property was found during the review of historical records. Interviews with the property owners indicate that the property located at 839 Tilden Street was used as a farm and that the garage (built sometime between 1918 and 1935) was a farm stand. Normal use of pesticides from on-site agricultural activities may have impacted the quality of on-site soils. The potential exists that debris from the demolition of former on-site structures may be present in the subsurface (such debris could contain lead based paint, asbestos, or other regulated materials). The tax lot parcels at 839 and 841 Tilden Street have received E designations based on the suspected presence of hazardous or other environmentally significant materials, indicating that environmental investigation and/or remediation may be required prior to site development.

   No further investigation of historical records is recommended. A Phase II investigation should be performed consistent with guidelines for E-designated sites. Any future development activities at the property should be conducted with an awareness of pesticide-impacted soils and/or the potential presence of subsurface debris, and provision should be made for the proper management of any materials that warrant special handling.

2. The subject property was not identified during the review of regulatory agency records conducted by this office. The adjoining property to the northwest at 801 Tilden Street is a registered PBS facility (PBS Number: 2-188336) with several closed NYSDEC spill events, and an open spill event (spill number 9607944) is reported for a nearby property to the west. No investigation into the extent of groundwater contamination is known to have been conducted and the potential exists that there could be minimal impacts to groundwater quality at the subject property (no current or planned on-site uses of groundwater, however, are known). No other relevant sites were identified during the review of regulatory records.

   No further investigation of regulatory records is recommended. Any potential impacts to groundwater from off-site spill events may be investigated during the Phase II investigation recommended in Paragraph #1.

3. A 275-gallon fuel oil aboveground storage tank is located at the southeastern corner of 841 Tilden Street (Building B). This tank appeared to be in sound condition and no evidence of a release or an impending threat of a release was observed during the site inspection. Future releases from this tank, however, could impact the subject property. The subject property is not required to be registered with the NYSDEC as a PBS facility.

   It is recommended that all PBS tanks be periodically inspected and managed in accordance with applicable state and local regulations.

An environmental condition is considered "de minimis" when that condition generally does not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies. Conditions determined to be de minimis are not recognized environmental conditions. This assessment has revealed evidence of the following de minimis conditions in connection with the property:

4. Small quantities of petroleum products and chemicals are stored on the subject property. Releases from these containers could potentially impact the property.

   It is recommended that all petroleum and chemical products be properly stored and that appropriate absorbent materials be maintained in all areas where releases could potentially occur.

5. Asbestos-containing materials and lead-based paint could potentially be present on the subject property. Suspect composite floor tiles, plaster walls, and asphalt shingles were noted during the site inspection. Other building construction materials not readily observable during the site inspection (e.g., mastics) could also potentially contain asbestos.

   No further investigation is recommended. Any suspect material encountered during maintenance, renovation, or demolition activities should be tested for asbestos or lead, or, in the absence of analytical data, be treated as though it contained asbestos or lead. All maintenance, renovation, or demolition activities should be conducted in accordance with applicable regulations.

6. A small quantity of construction and demolition debris (primarily wood) is located at the southwestern corner of the subject property and scattered household trash is located around the perimeter of the parking lot. None of these debris materials were judged by this office to pose a threat to the environmental integrity of the subject property.

   It is recommended that debris materials be segregated into appropriate waste streams (i.e., those which can be disposed of as non-regulated solid waste and those which require special handling) and be disposed of off-site. Any regulated wastes encountered in on-site debris (e.g., construction and demolition debris) should be managed in accordance with applicable local, state and federal regulations, including (as necessary) sampling and analysis of materials for asbestos and leachable concentrations of lead.

5.0 SOURCES OF INFORMATION

5.1 Maps and Documents

Environmental Data Resources, Inc. (EDR), City Directory Abstract dated 1927, 1931, 1940, 1949, 1956, 1961, 1965, 1971, 1976, 1983, 1993, 2000, 2005, 2008, and 2013.

EDR Report, July 17, 2015.

New York City Soil and Water Conservation District, New York City Reconnaissance Soil Survey, online at www.nycswcd.net/soil_survey.cfm

New York State Department of Environmental Conservation, Freshwater Wetlands Map of the Mount Vernon, New York Quadrangle, accessed online July 6, 2015 via Environmental Resource Mapper at www.dec.ny.gov.

Sanborn Fire Insurance Company Maps dated 1897, 1908, 1918, 1935, 1950, 1976, 1978, 1981, 1983, 1986, 1989, 1991, 1992, 1993, 1995, 1996, 1998, 2001, 2002, 2003, 2004, 2005, 2006, and 2007.

United States Department of Agriculture, Natural Resources Conservation Service, Soil Survey for Bronx County, New York, dated October 1981.

United States Department of the Interior National Wetlands Inventory Map of the Mount Vernon, New York, Quadrangle, dated accessed online July 6, 2015 via www.fws.gov/wetlands/Data/Mapper.html.

United States Geological Survey Topographic Map of the Mount Vernon, New York Quadrangle, dated 1995 digital image provided by MyTopo.com.

University of the State of New York, Geologic Map of New York, Fisher, *et al*., editors (dated 1970, reprinted 1995) and Surficial Geologic Map of New York, D. Cadwell, editor (dated 1989), Lower Hudson Sheets.

5.2 Local Agency Records

New York City Assessor's Office computerized records, reviewed July 15, 2015.

New York City Building Department computerized records, reviewed July 15, 2015.

New York City Register computerized records, reviewed July 15, 2015.

New York State Department of Environmental Conservation records, requested July 13, 2015.

New York City Bureau of Fire Prevention records, requested July 14, 2015.

5.3 Communications

Elan Peskin, representing Habitat for Humanity (the Client), various dates, July 2015.

Daniel Seymour (the property owner of 843 Tilden Street), July 20, 2015.

Lydia Ratis (the property owner of 831 and 849 Tilden Street), various dates, July 2015.

6.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

The following statements are required by 40 CFR 312.21(d) of the environmental professional(s) responsible for conducting and preparing the Phase I Environmental Site Assessment report.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

and

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Paul H. Ciminello
President, Ecosystems Strategies, Inc.

Scott Spitzer
Director of Environmental Investigations, Ecosystems Strategies, Inc.

APPENDIX A

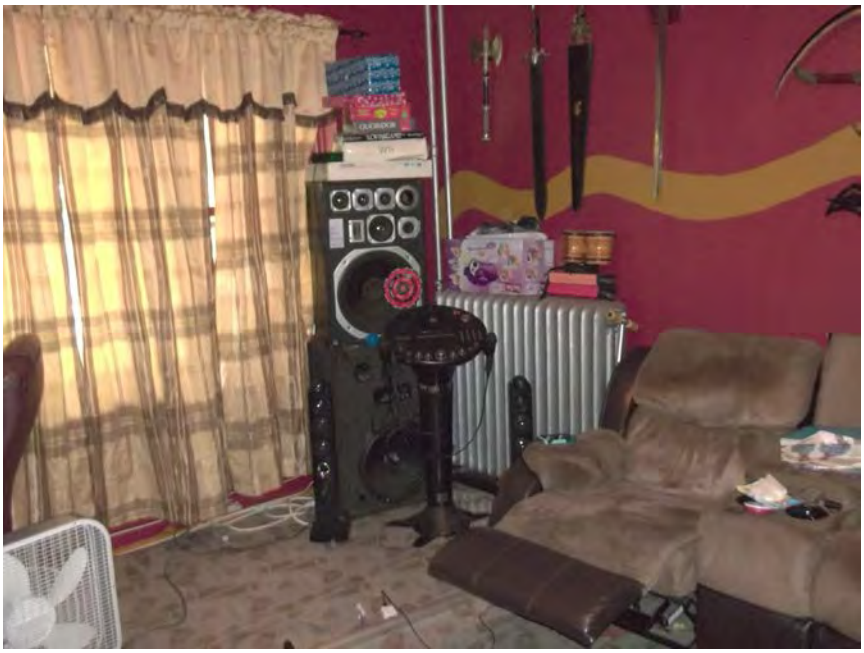
Site Photographs

PHOTOGRAPHS

1. **Subject property facing north from Tilden Street (Buildings B and C, from right to left)**

2. **Parking lot and rear of Buildings A and B, facing south**

PHOTOGRAPHS



3. Typical view of living space in 843 Tilden Street (Building C)

4. Typical view of kitchen area in 841 Tilden Street (Building B)

PHOTOGRAPHS

5. Interior of garage on 839 Tilden Street (Building A)

6. 275-gallon AST in basement of 841 Tilden Street (Building B)

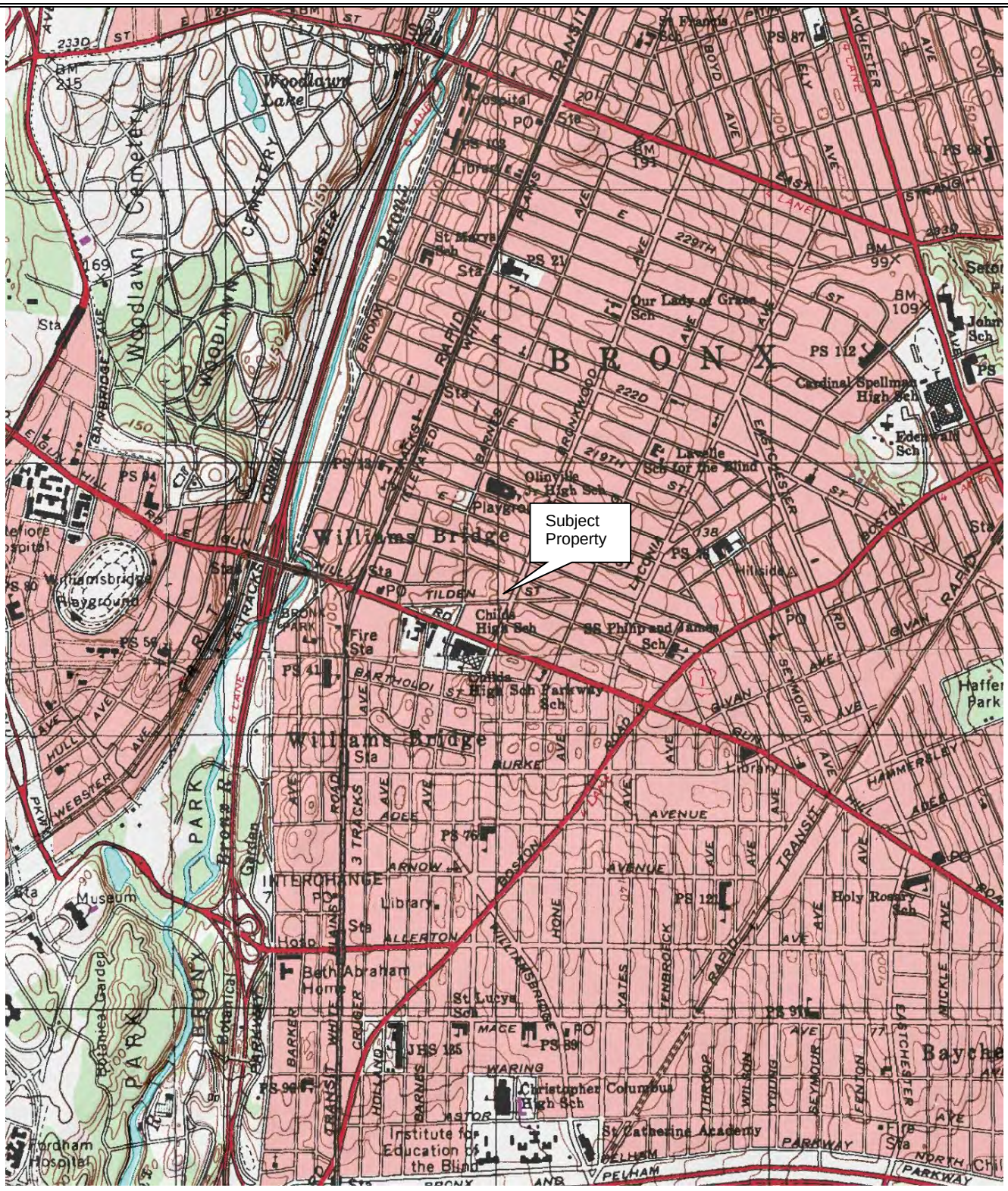
PHOTOGRAPHS

7. Fill port servicing AST in basement of Building B

8. Vent pipe servicing AST in basement of Building B

APPENDIX B

Physical-Setting Maps



Source: USGS Topographic Map of the Mount Vernon, New York Quadrangle, dated 1995, digital image provided by MyTopo.com

U.S.G.S. Topographic Map
839-843 Tilden Street
Borough of Bronx, New York

N

ESI File: HB15073.10R

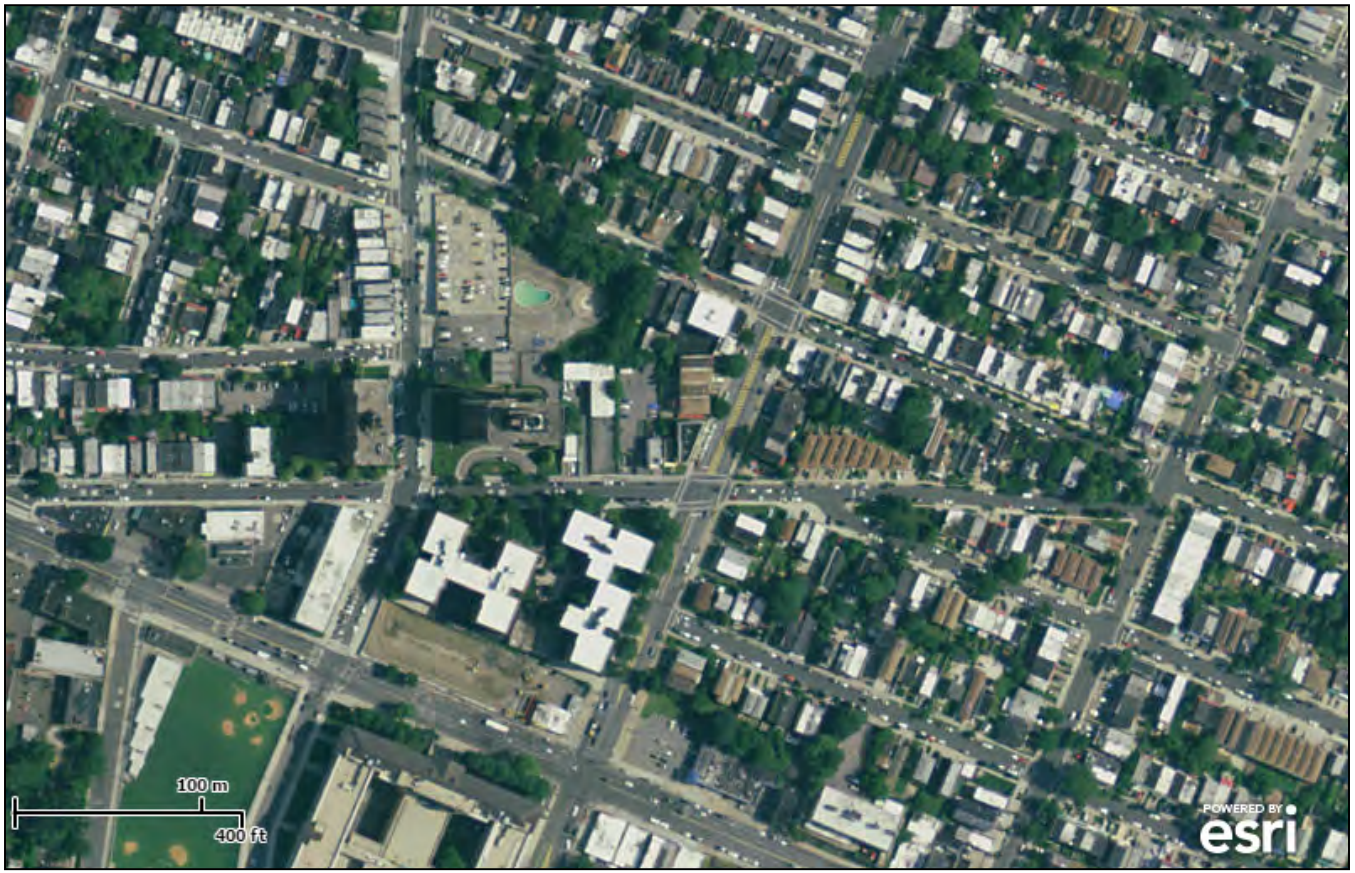
July 2015

Scale: 1:24000

U.S. Fish and Wildlife Service
National Wetlands Inventory

HB15073.10

Jul 7, 2015



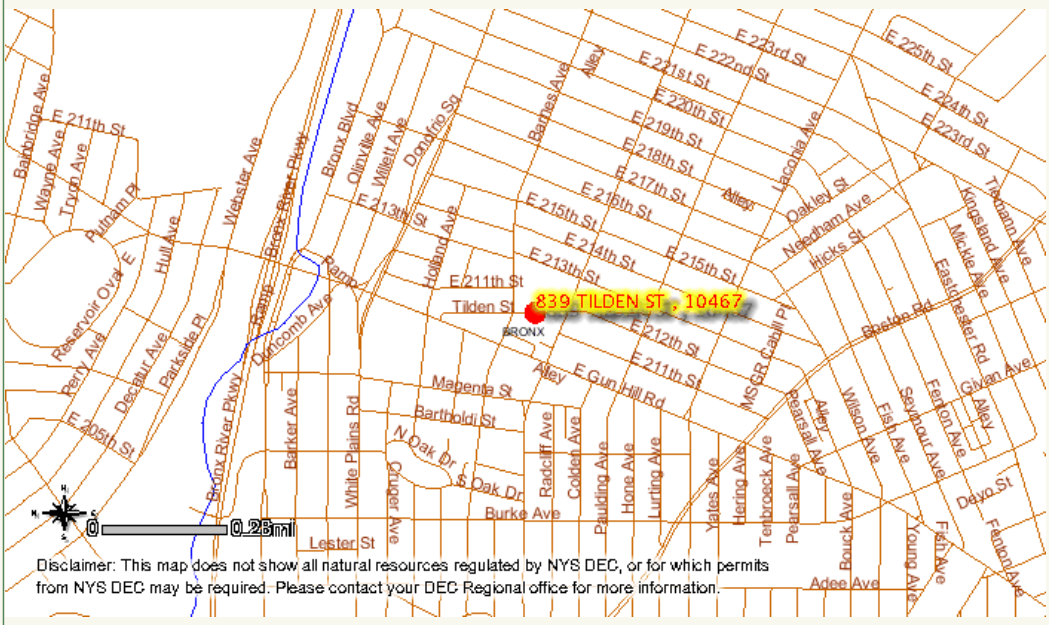
Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

User Remarks:

Please set your printer orientation to "Landscape".

HB15073.10



Disclaimer: This map does not show all natural resources regulated by NYS DEC, or for which permits from NYS DEC may be required. Please contact your DEC Regional office for more information.

MinX: 594418, MaxX: 597485, MinY: 4526367, MaxY: 4525048

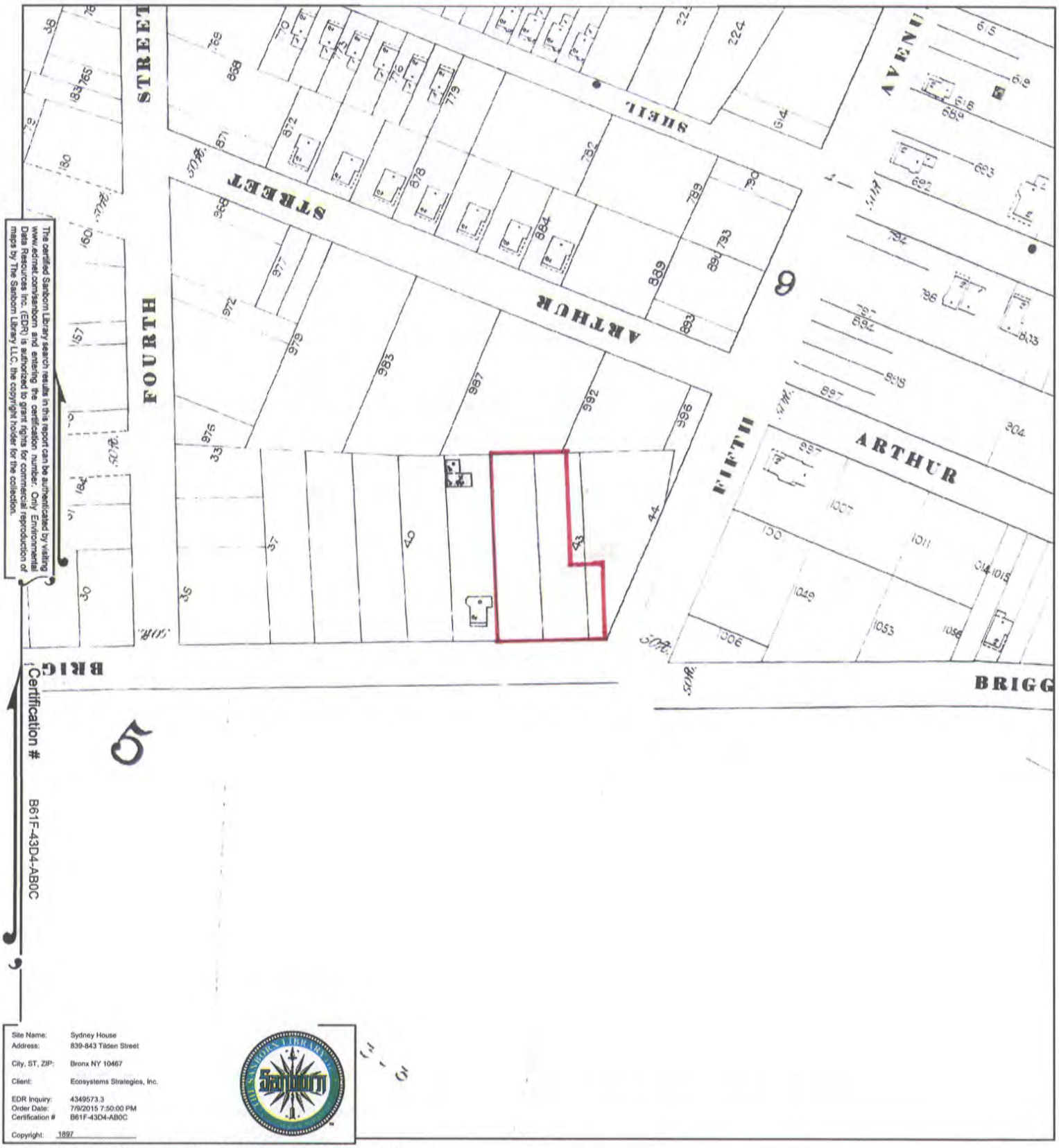
Visible Layers

- Classified Streams
- Classified Ponds
- State-Regulated Freshwater Wetlands
- Wetland Checkzone
- State-Regulated Freshwater Wetlands
- Rare Plants and Rare Animals
- Interstate Highways
- Towns
- Counties

APPENDIX C

Sanborn Fire Insurance Maps

1897 Certified Sanborn Map



Site Name:	Sydney House
Address:	839-843 Tilden Street
City, ST, ZIP:	Bronx NY 10467
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	4349573.3
Order Date:	7/9/2015 7:50:00 PM
Certification #	B61F-43D4-AB0C
Copyright:	1897

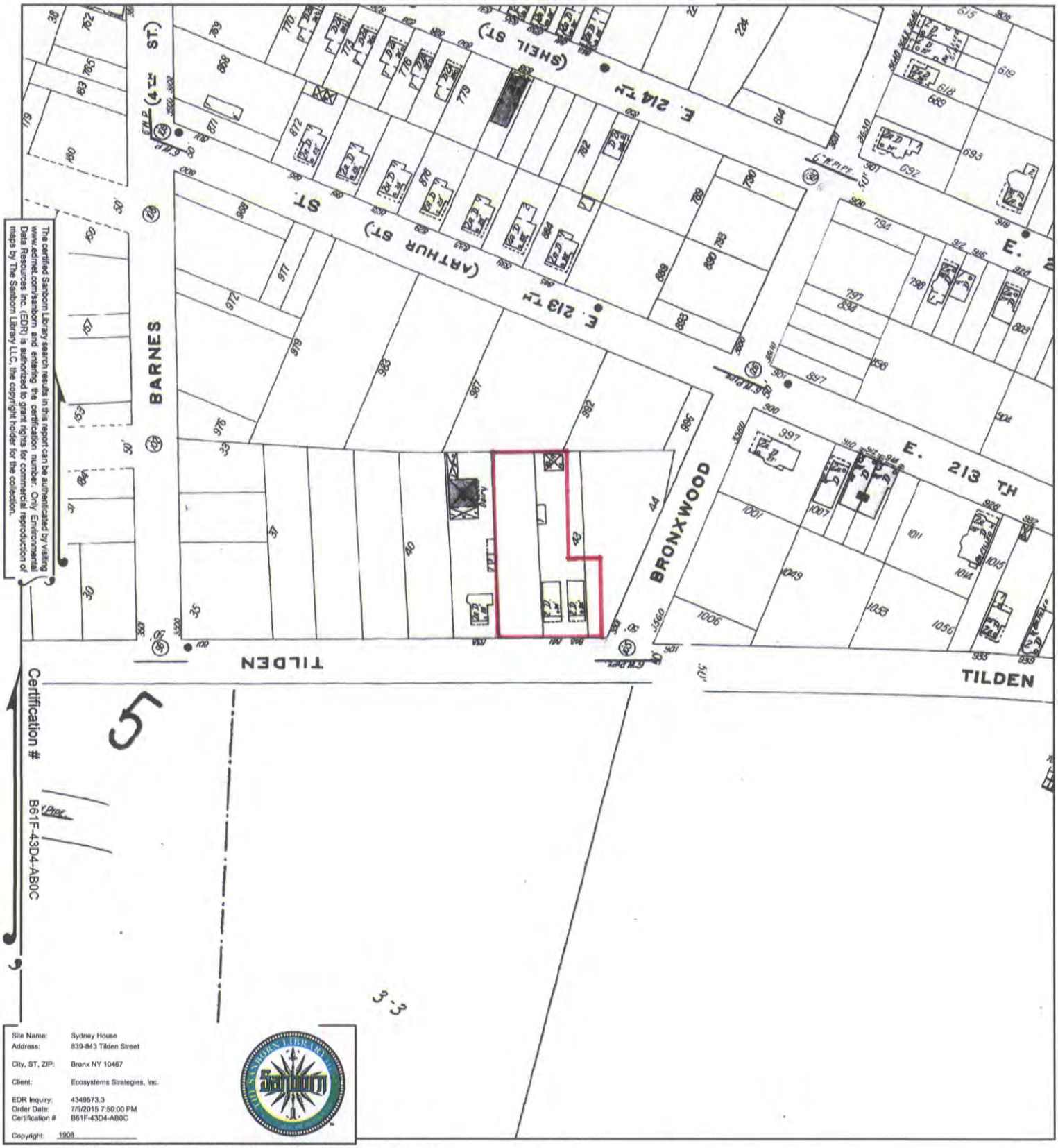
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume B, Sheet 9
Volume B, Sheet 6
Volume B, Sheet 11

0 Feet 150 300 600

N

1908 Certified Sanborn Map



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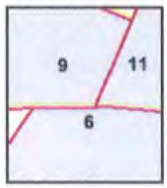

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Volume B, Sheet 9
Volume B, Sheet 11

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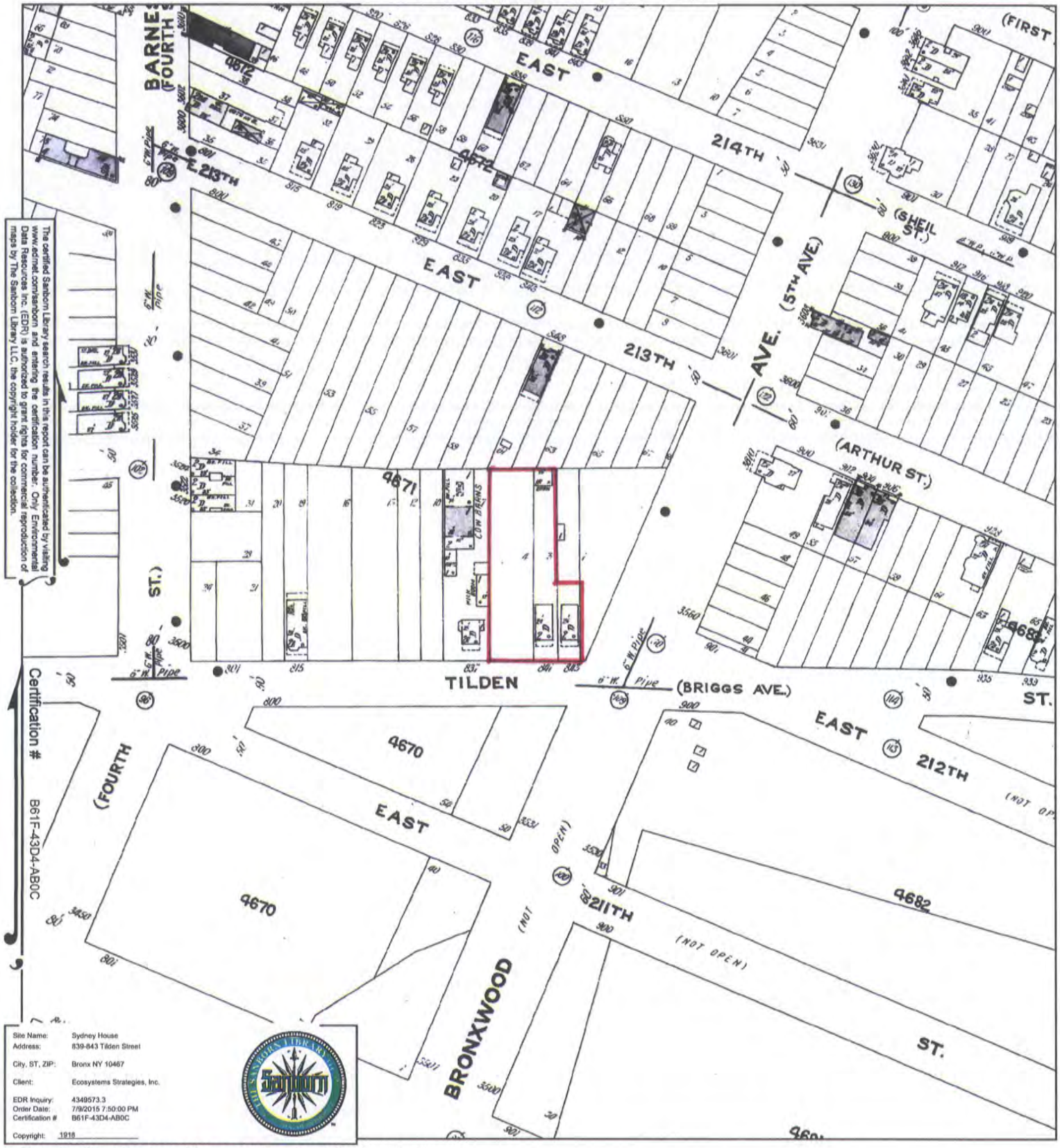
1918 Certified Sanborn Map



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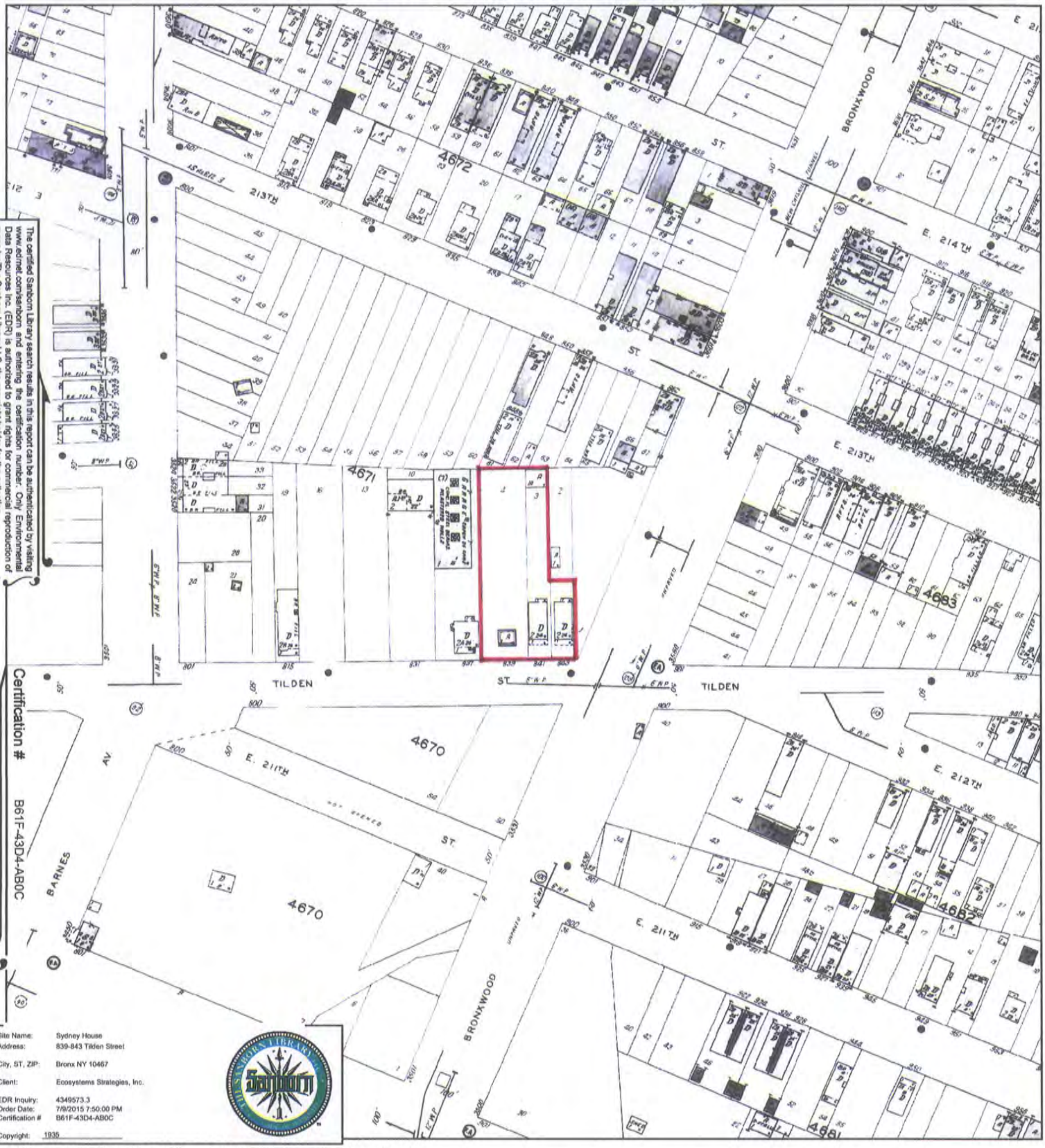
1935 Certified Sanborn Map



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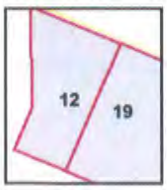

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Volume 18, Sheet 19

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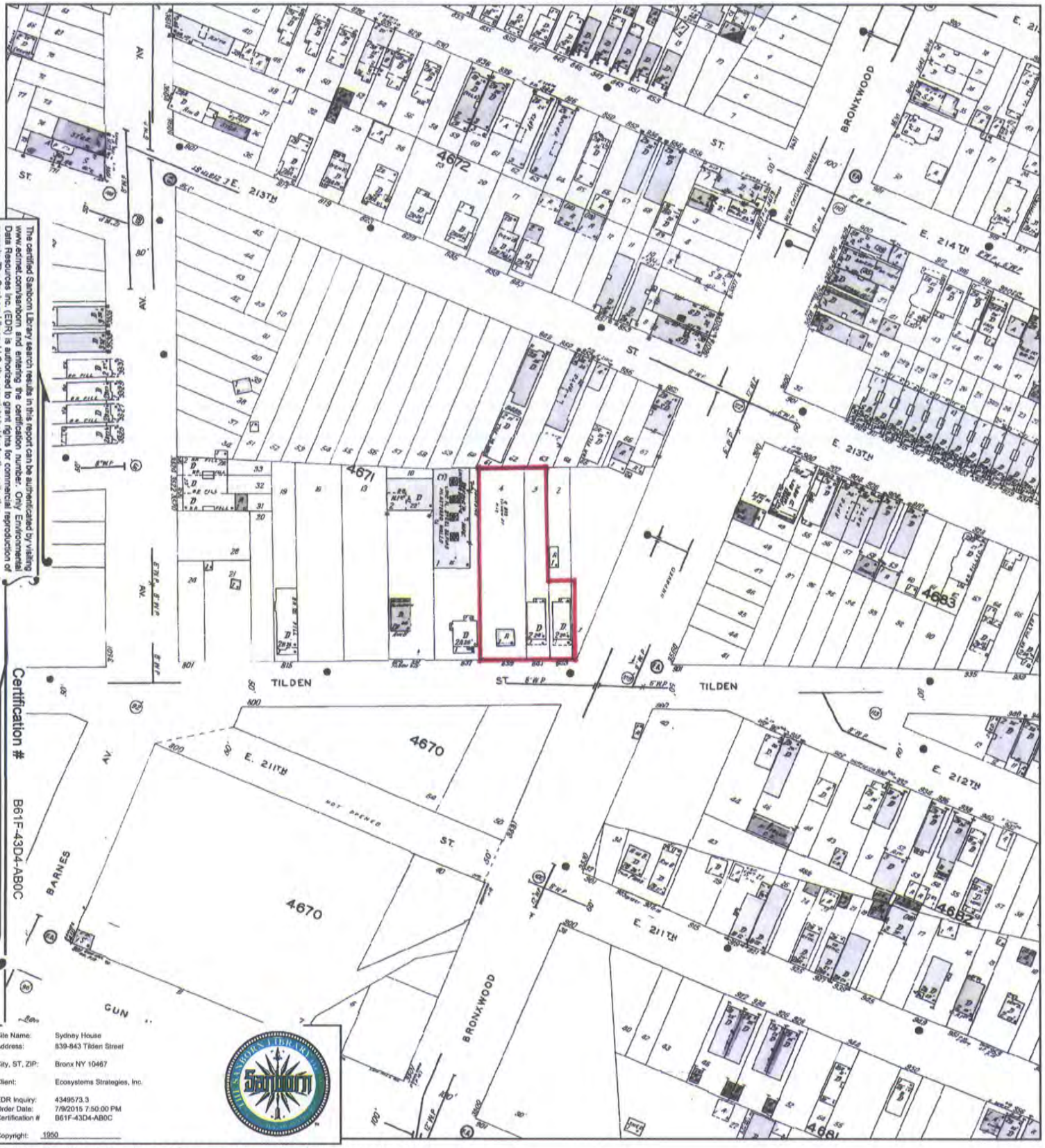
1950 Certified Sanborn Map



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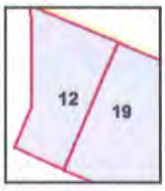

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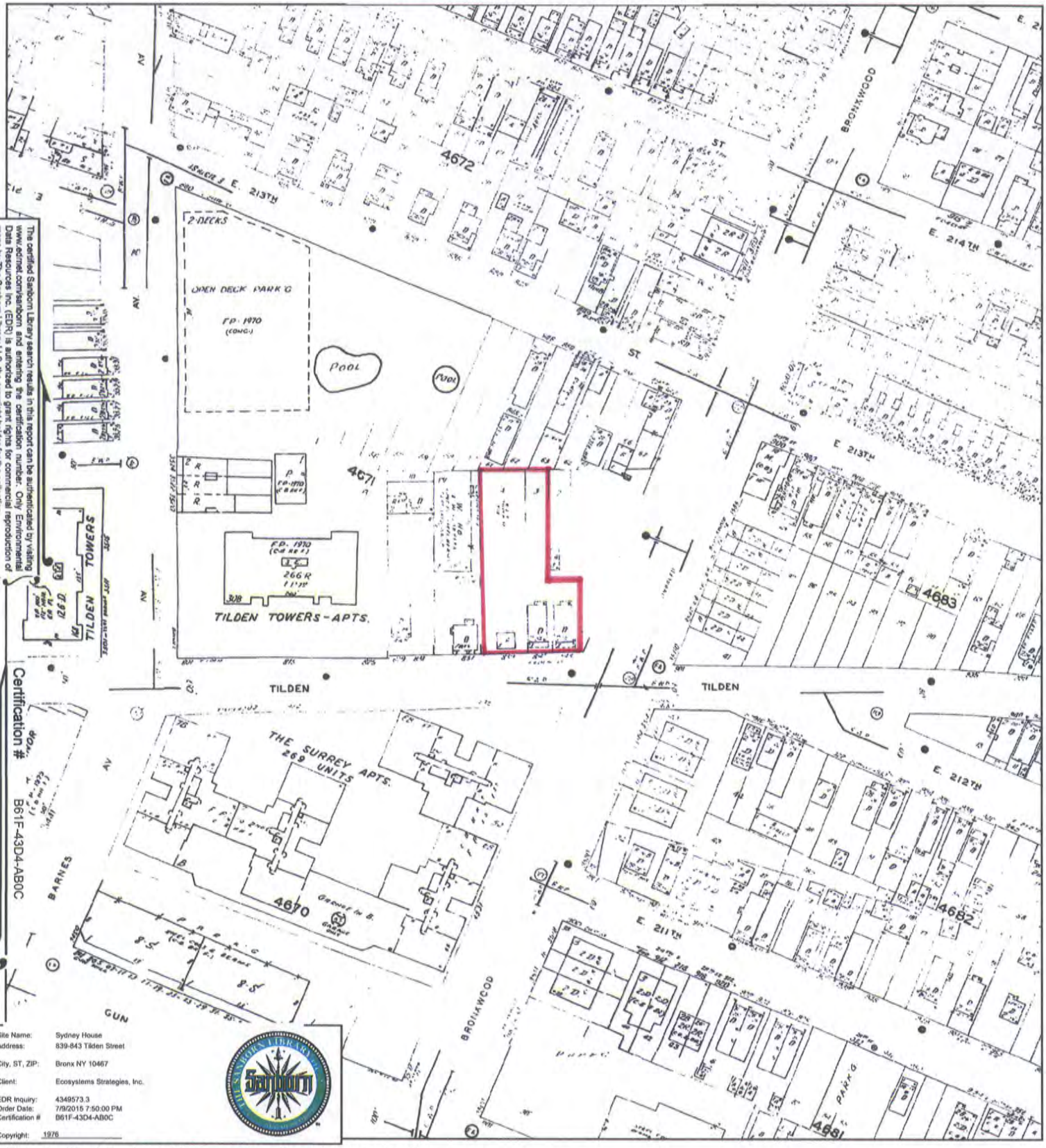
1976 Certified Sanborn Map



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Site Name:	Sydney House
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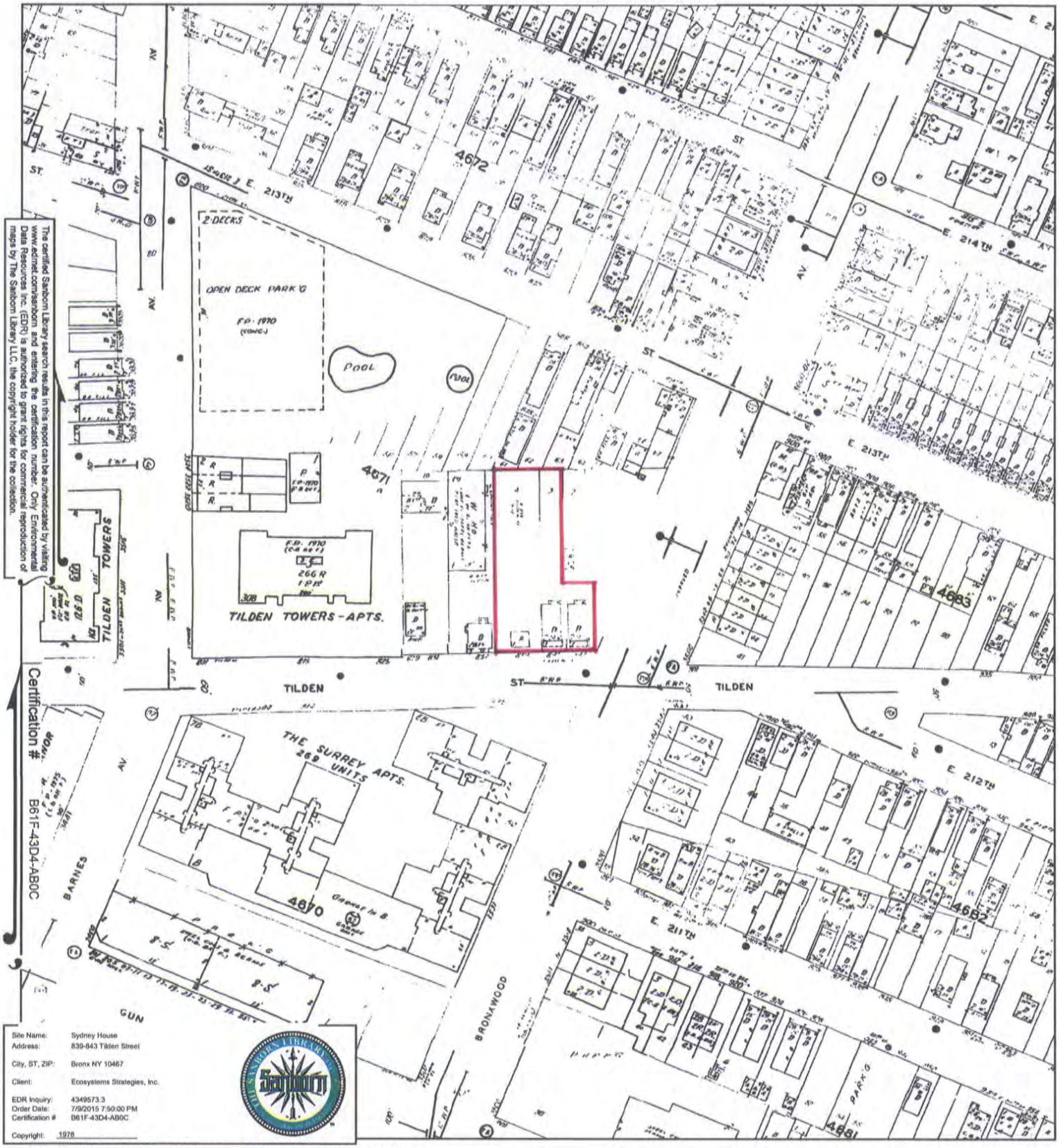
1978 Certified Sanborn Map



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Client:	Ecosystems Strategies, Inc.
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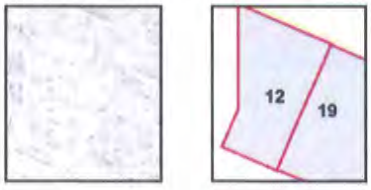

Volume 18, Sheet 19
Volume 18, Sheet 12

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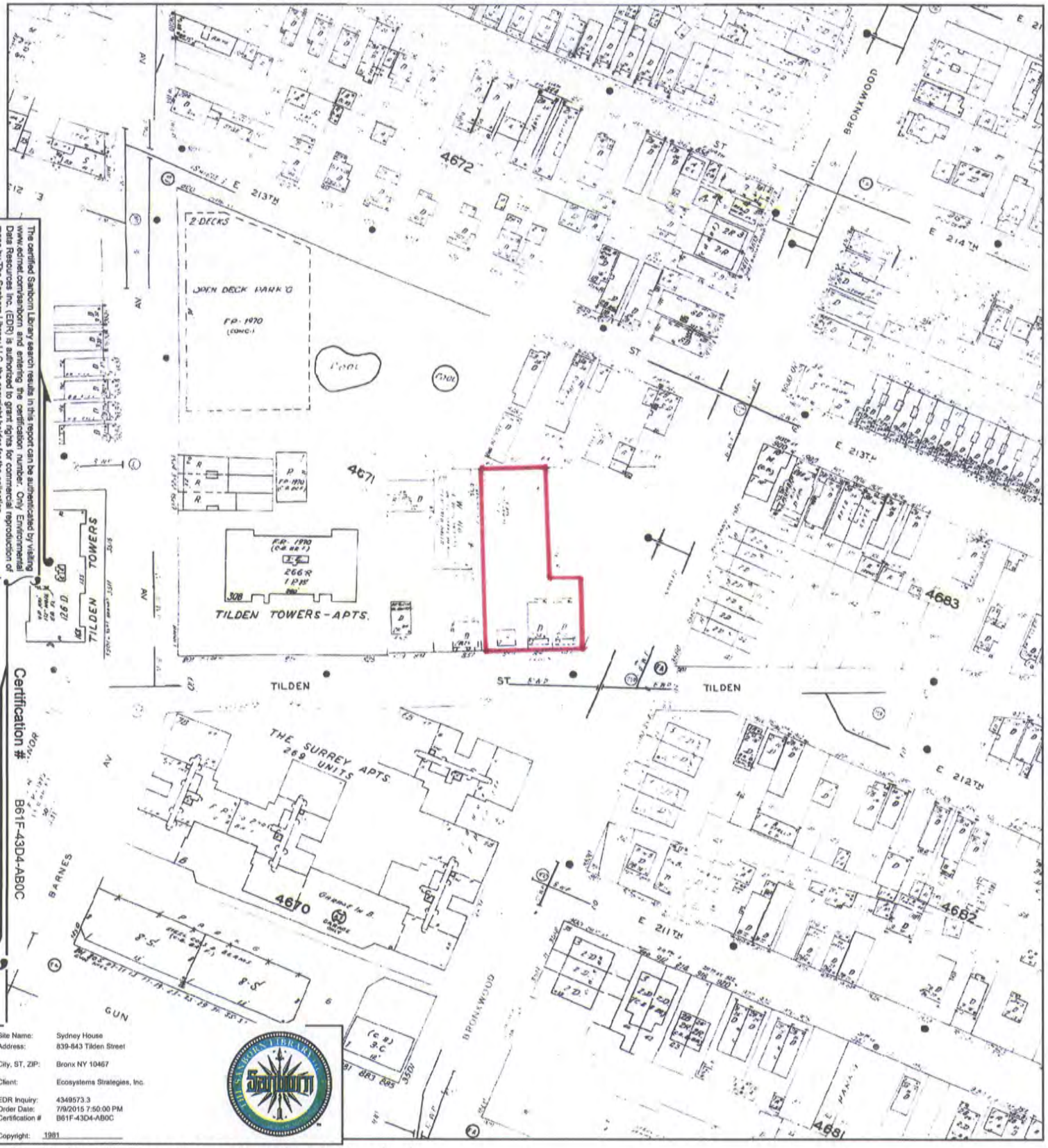
1981 Certified Sanborn Map



Certification # B61F-43D4-AB0C

Site Name:	Sydney House
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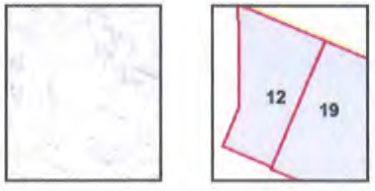

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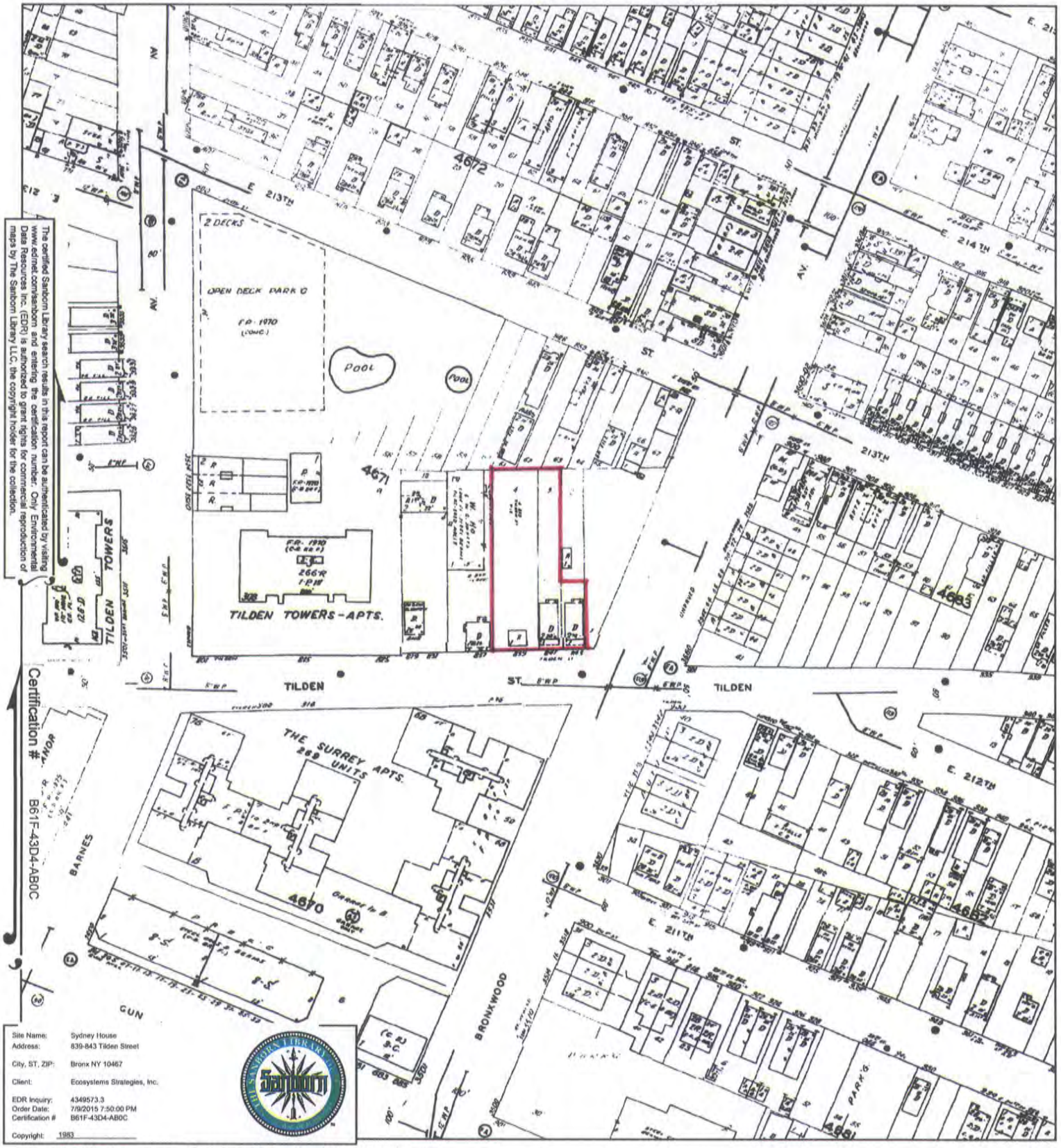
1983 Certified Sanborn Map



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Order Date:	7/9/2015 7:50:00 PM
Certification #	B61F-43D4-AB0C
Copyright:	1983

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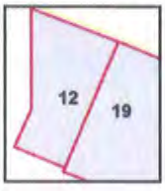

Volume 18, Sheet 12
Volume 18, Sheet 19

0 Feet 150 300 600

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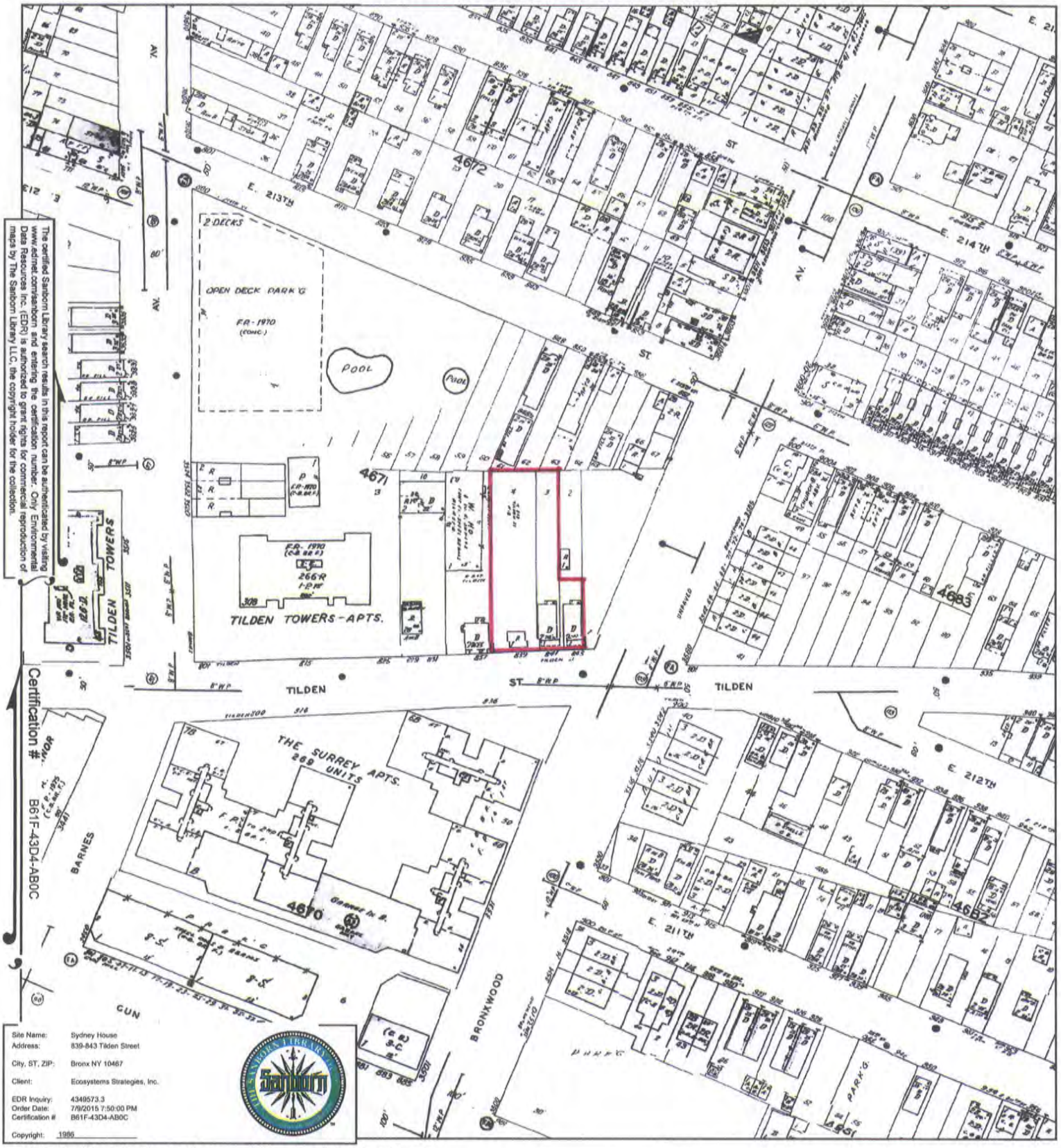

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Site Name:	Sydney House
Address:	839-843 Tilden Street
City, ST, ZIP:	Bronx NY 10467
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	4349573.3
Order Date:	7/9/2015 7:50:00 PM
Certification #	B61F-43D4-AB0C
Copyright:	1986

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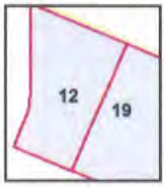

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Volume 18, Sheet 12

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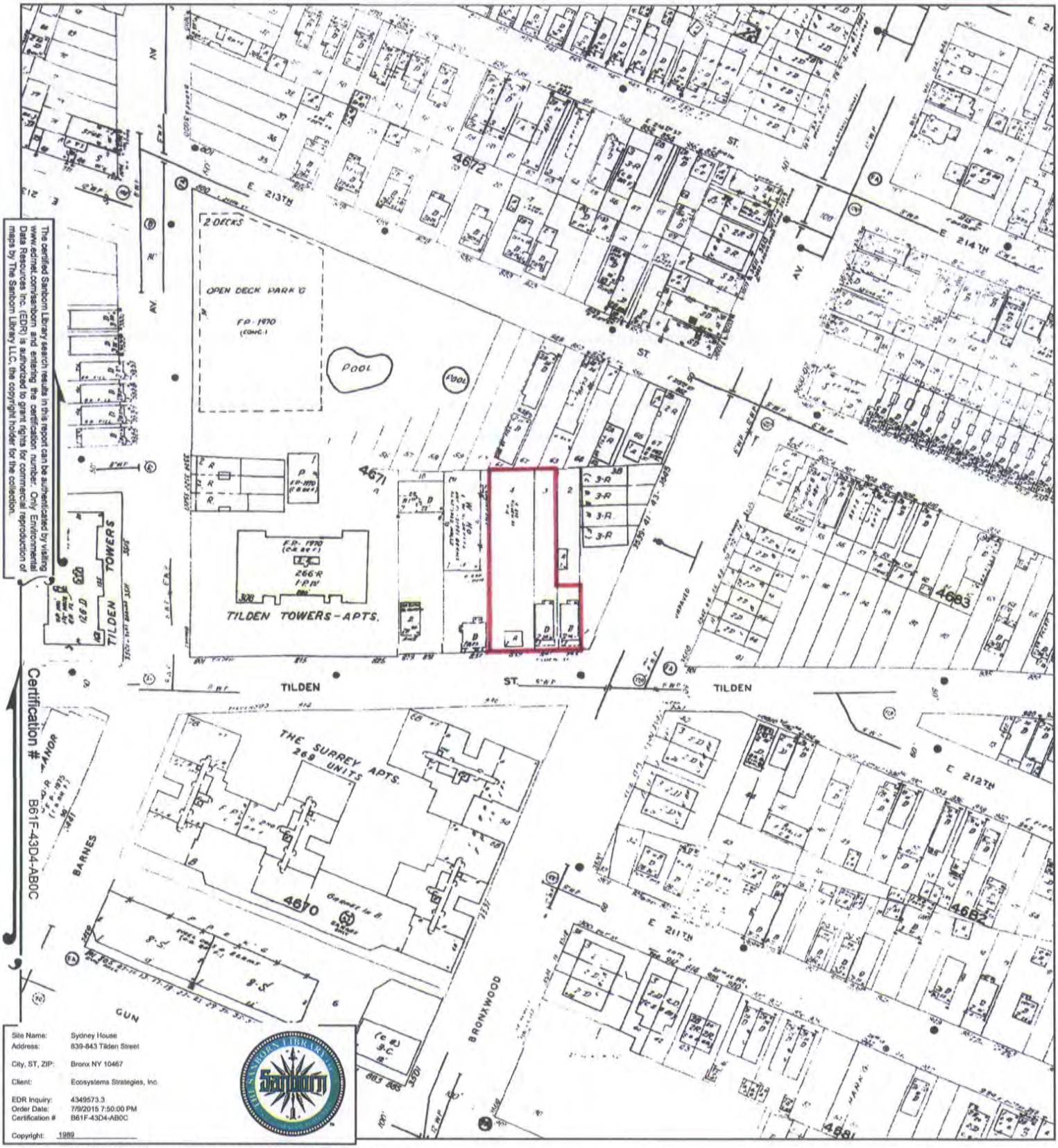

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City, ST, ZIP:	Bronx NY 10467
Client:	Ecosystems Strategies, Inc.
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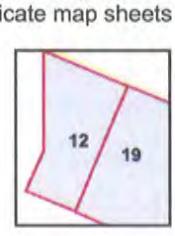

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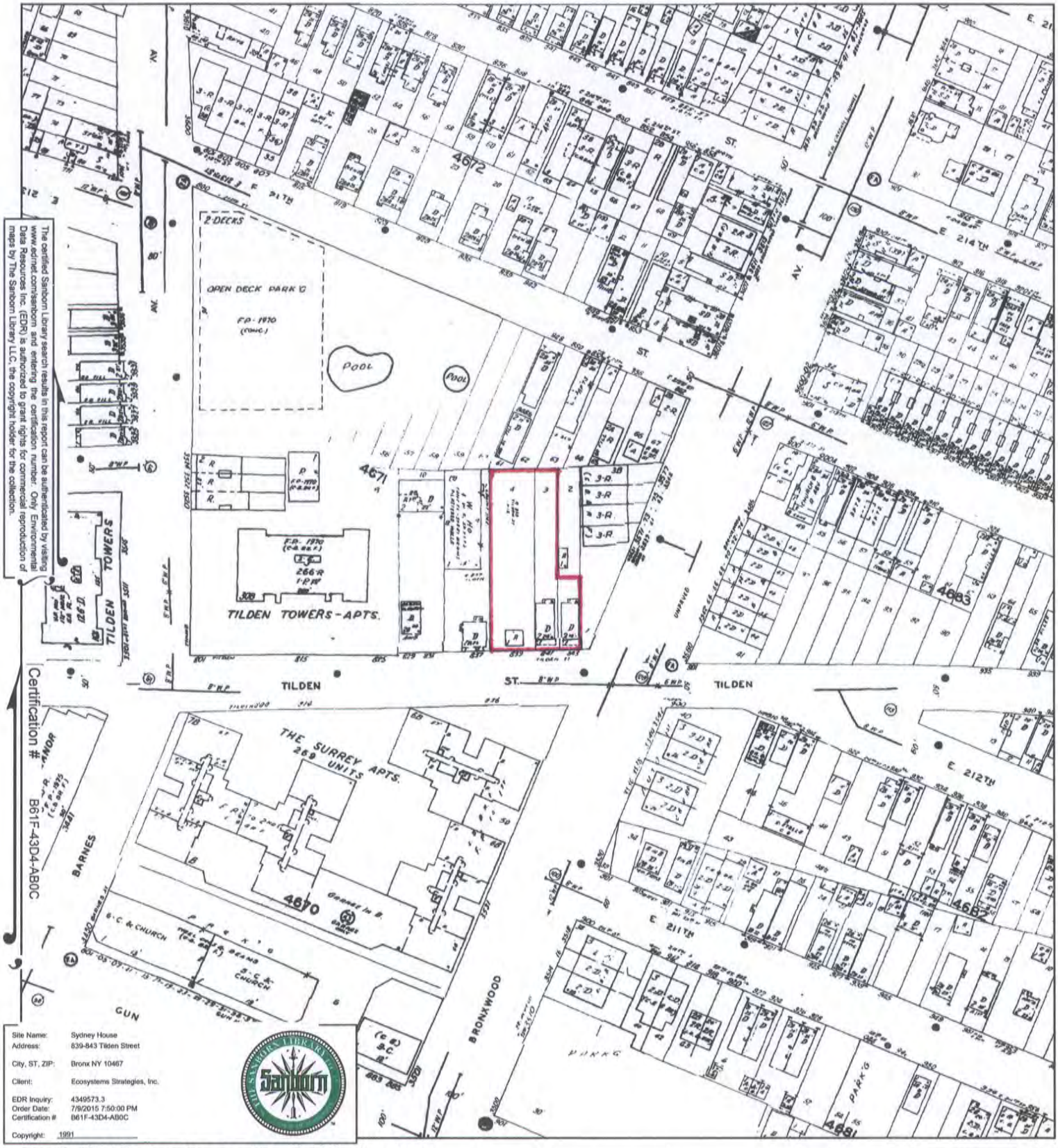

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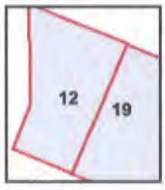

Volume 18, Sheet 19
Volume 18, Sheet 12

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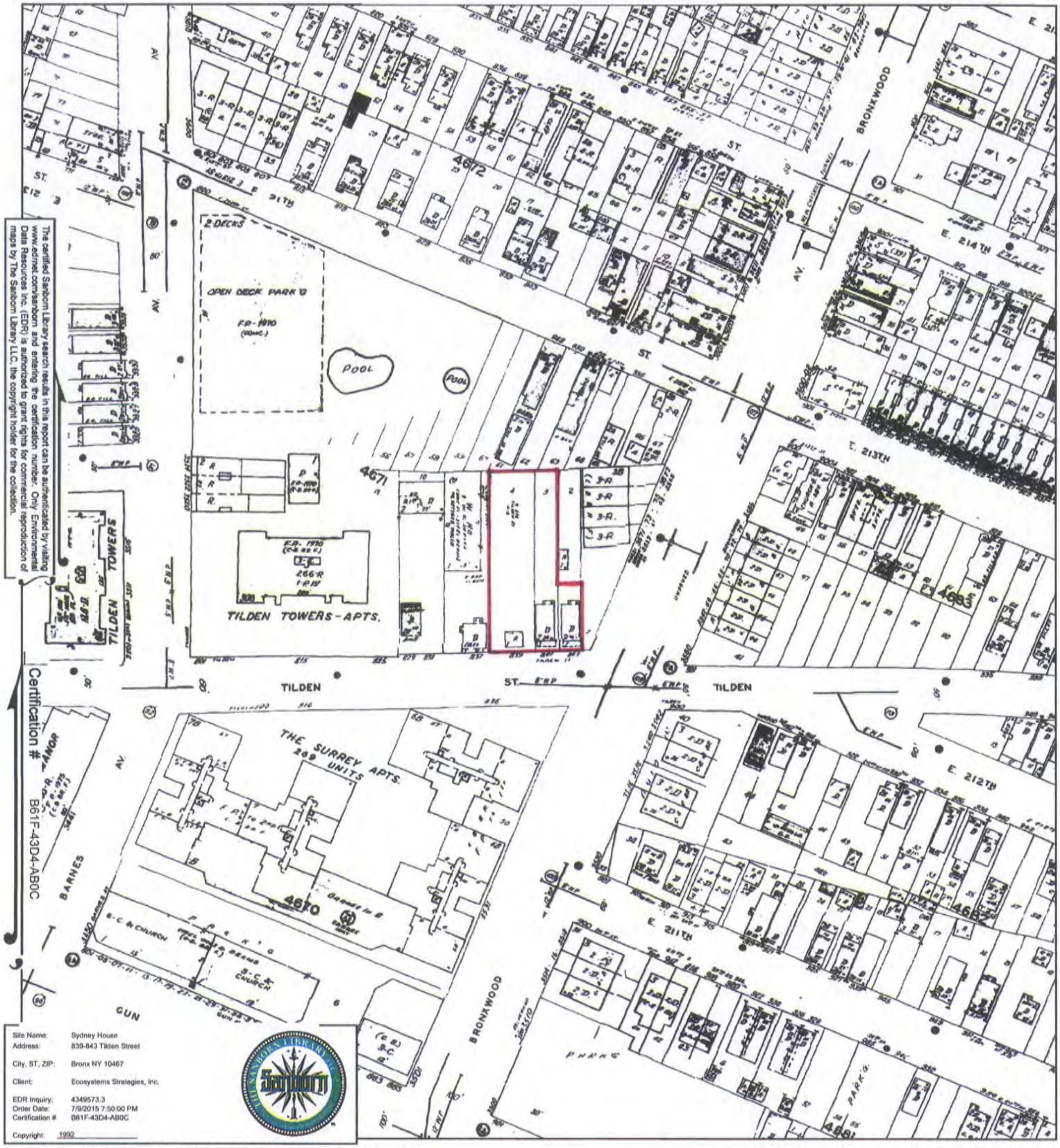

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Address:	839-843 Tilden Street
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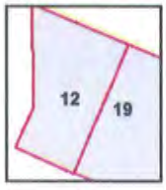

Volume 18, Sheet 19
Volume 18, Sheet 12

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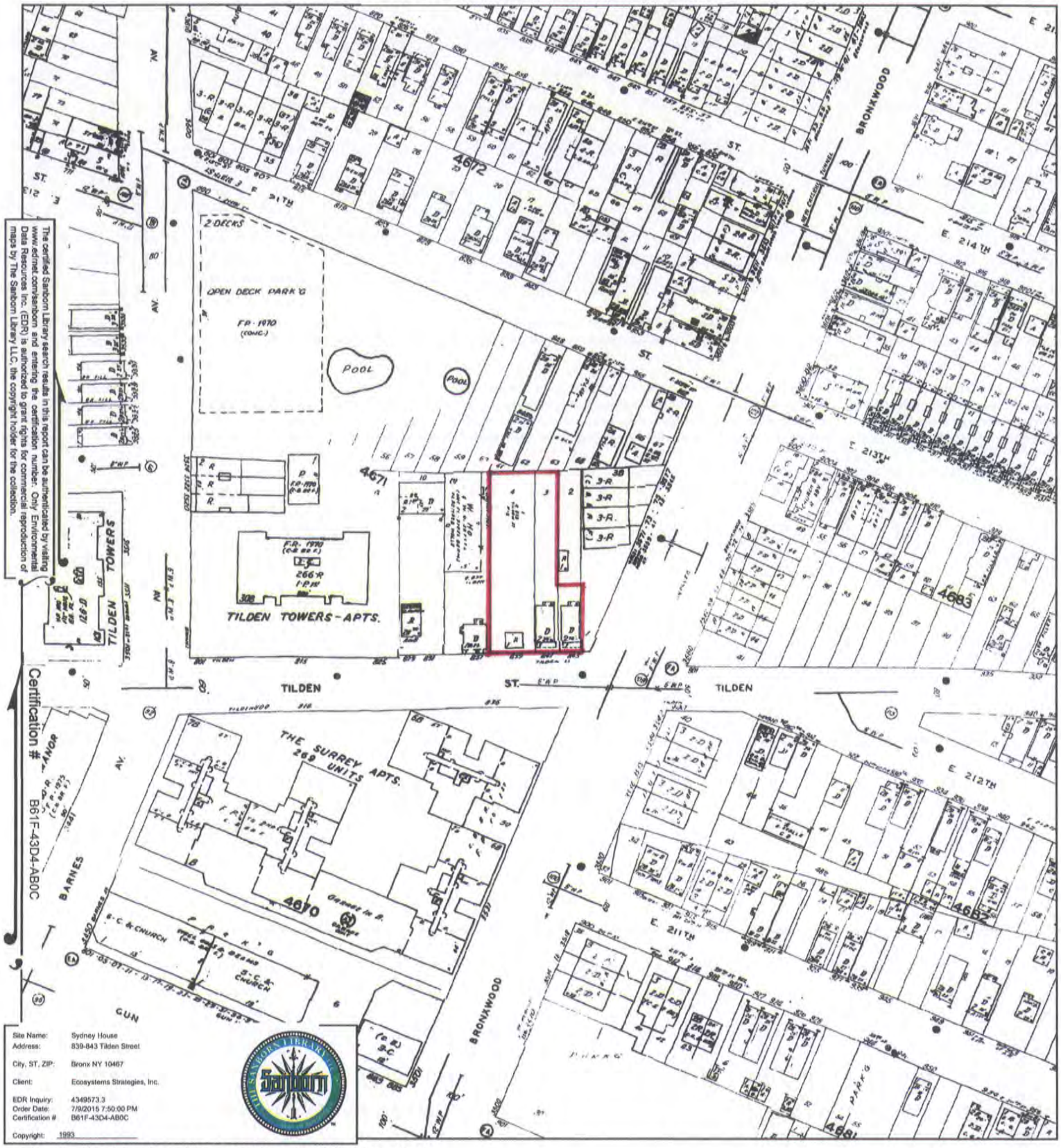

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Order Date:	7/9/2015 7:50:00 PM
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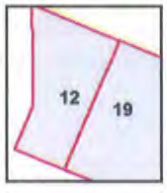

Volume 18, Sheet 12
Volume 18, Sheet 19

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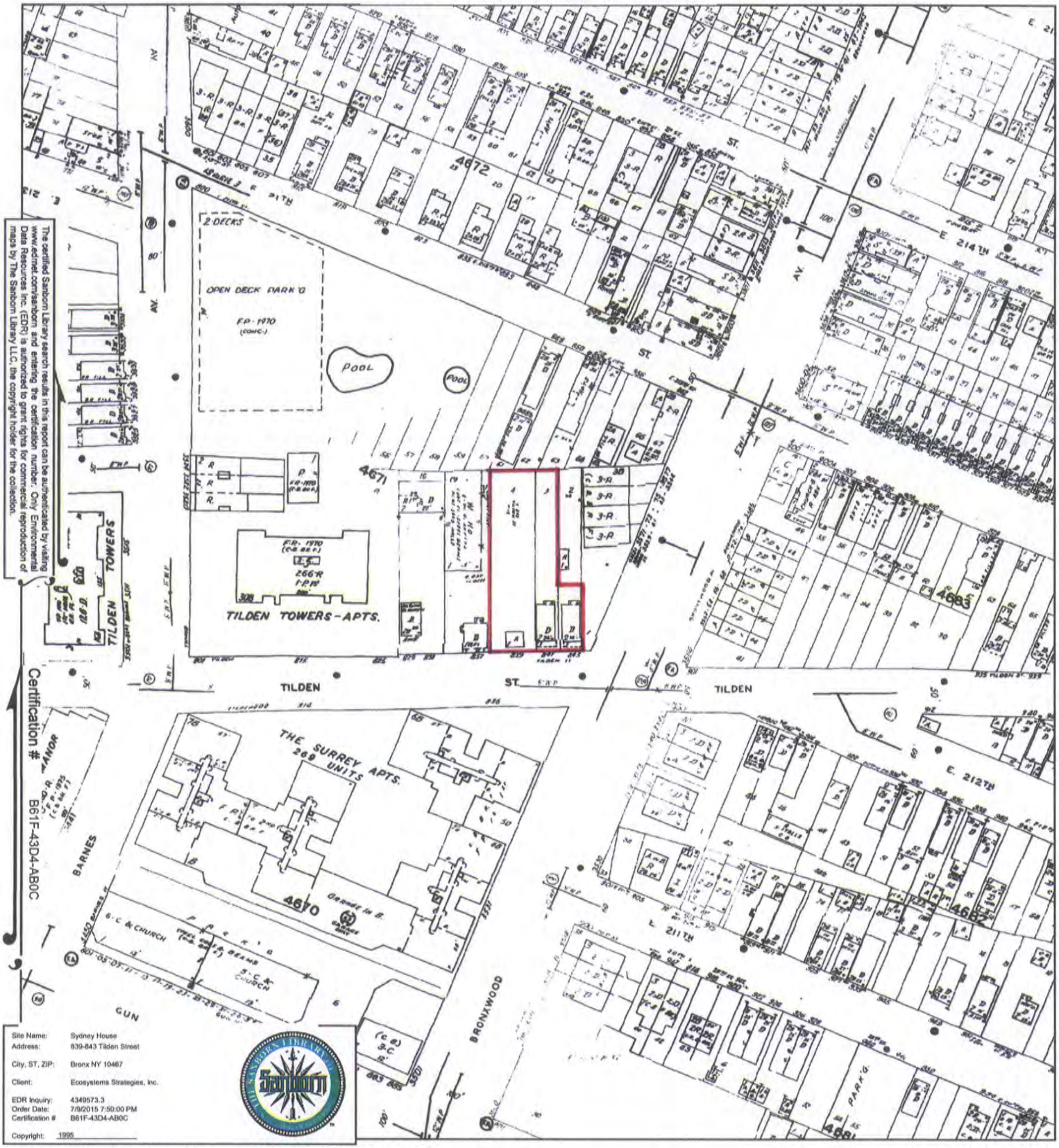

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Address:	839-843 Tilden Street
City, ST, ZIP:	Bronx NY 10467
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	4349573.3
Order Date:	7/9/2015 7:50:00 PM
Certification #	B61F-43D4-AB0C
Copyright:	1995

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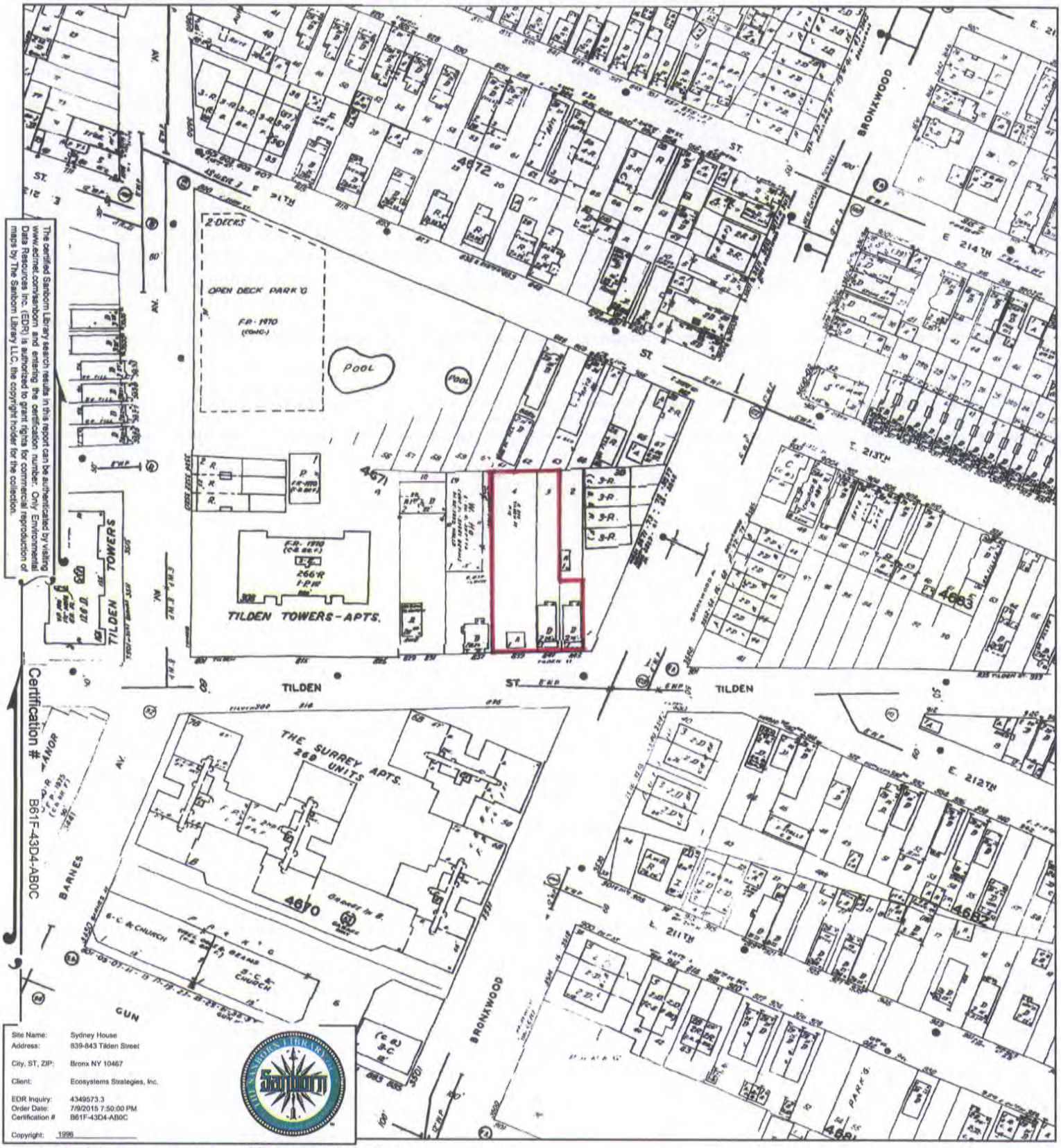

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Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	4349573.3
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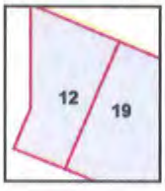

Volume 18, Sheet 12
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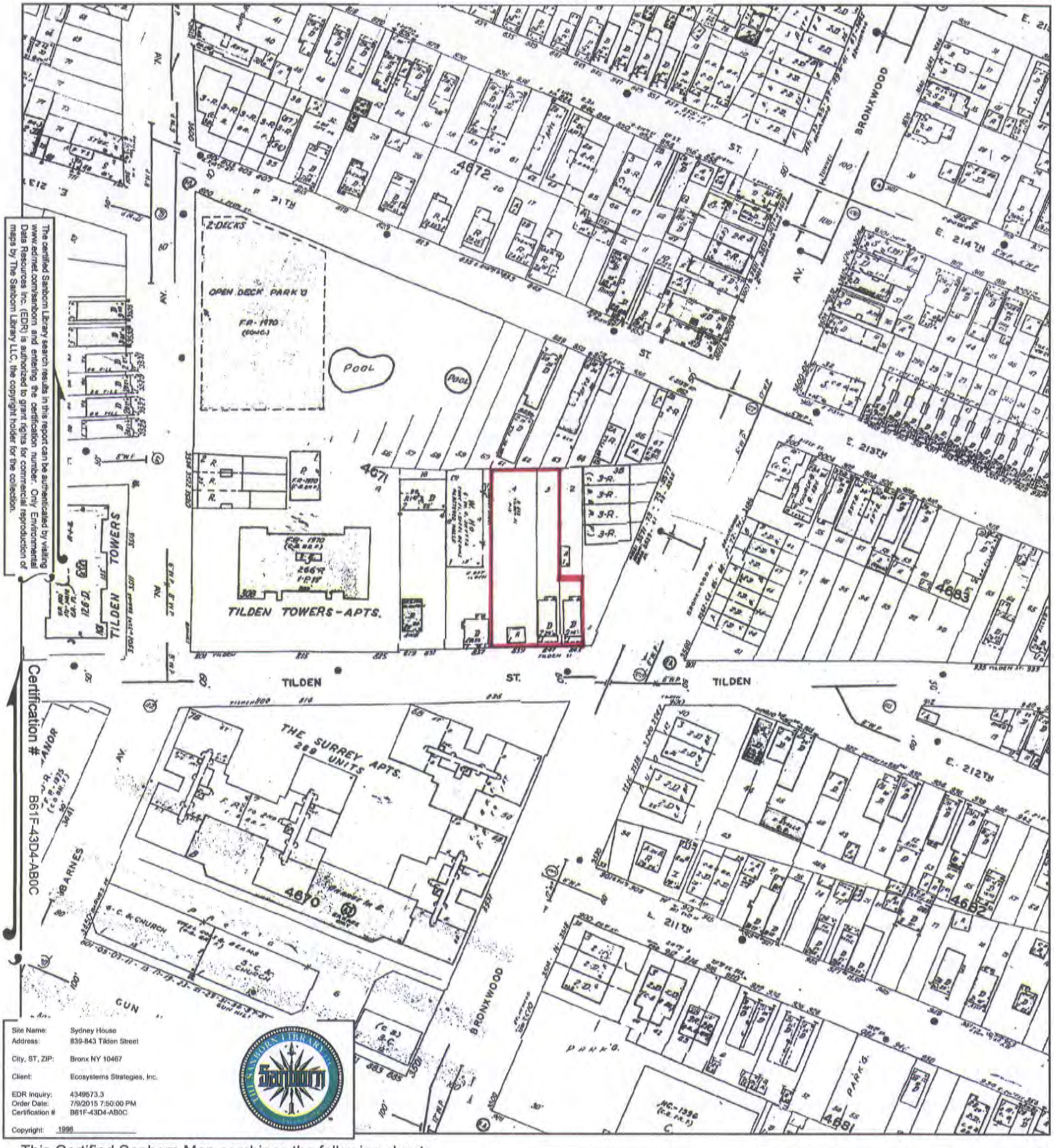

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City, ST, ZIP:	Bronx NY 10467
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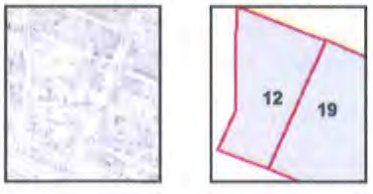

Volume 18, Sheet 12
Volume 18, Sheet 19

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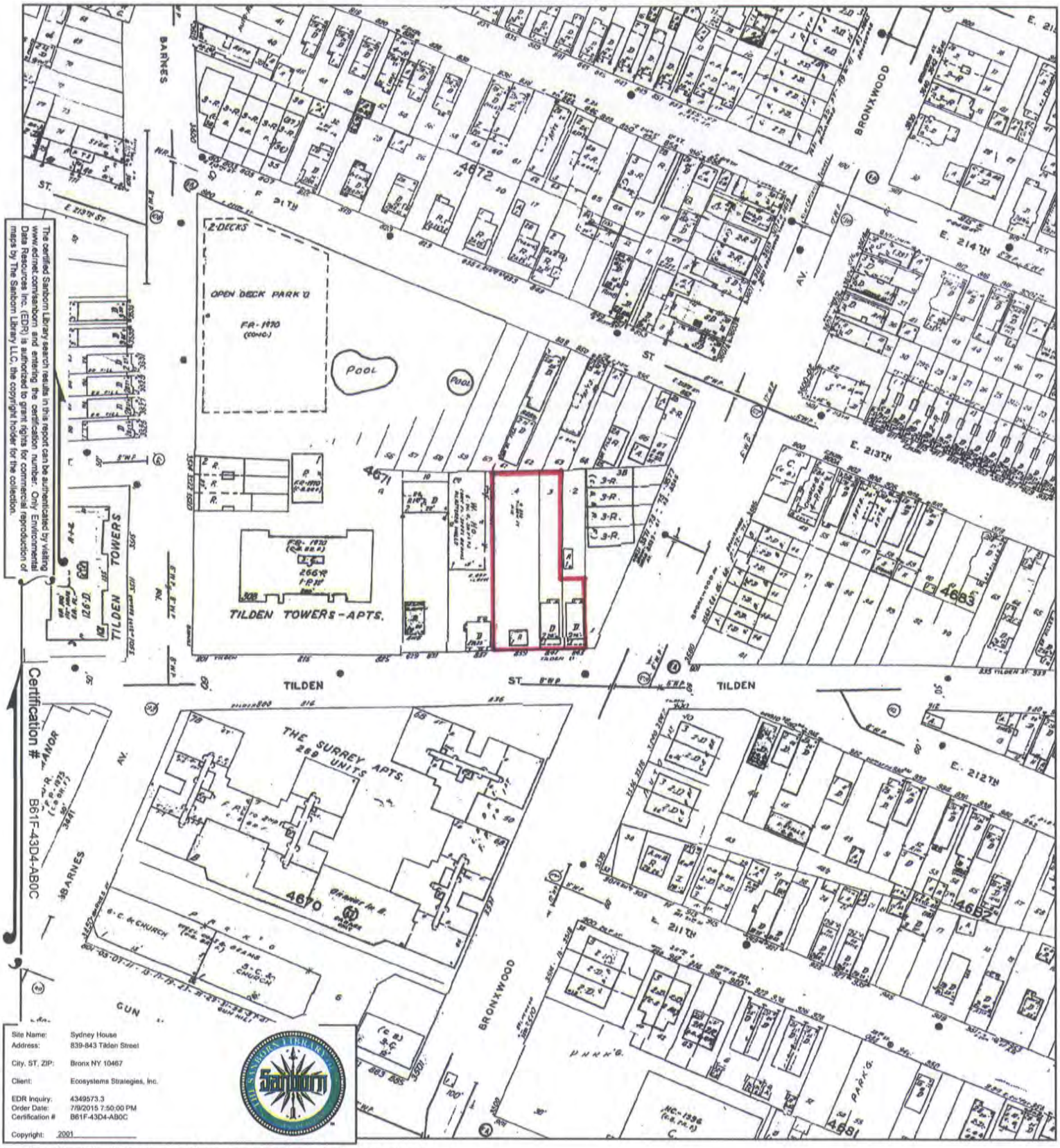

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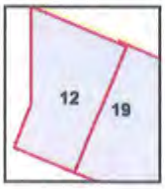

Volume 18, Sheet 12
Volume 18, Sheet 19

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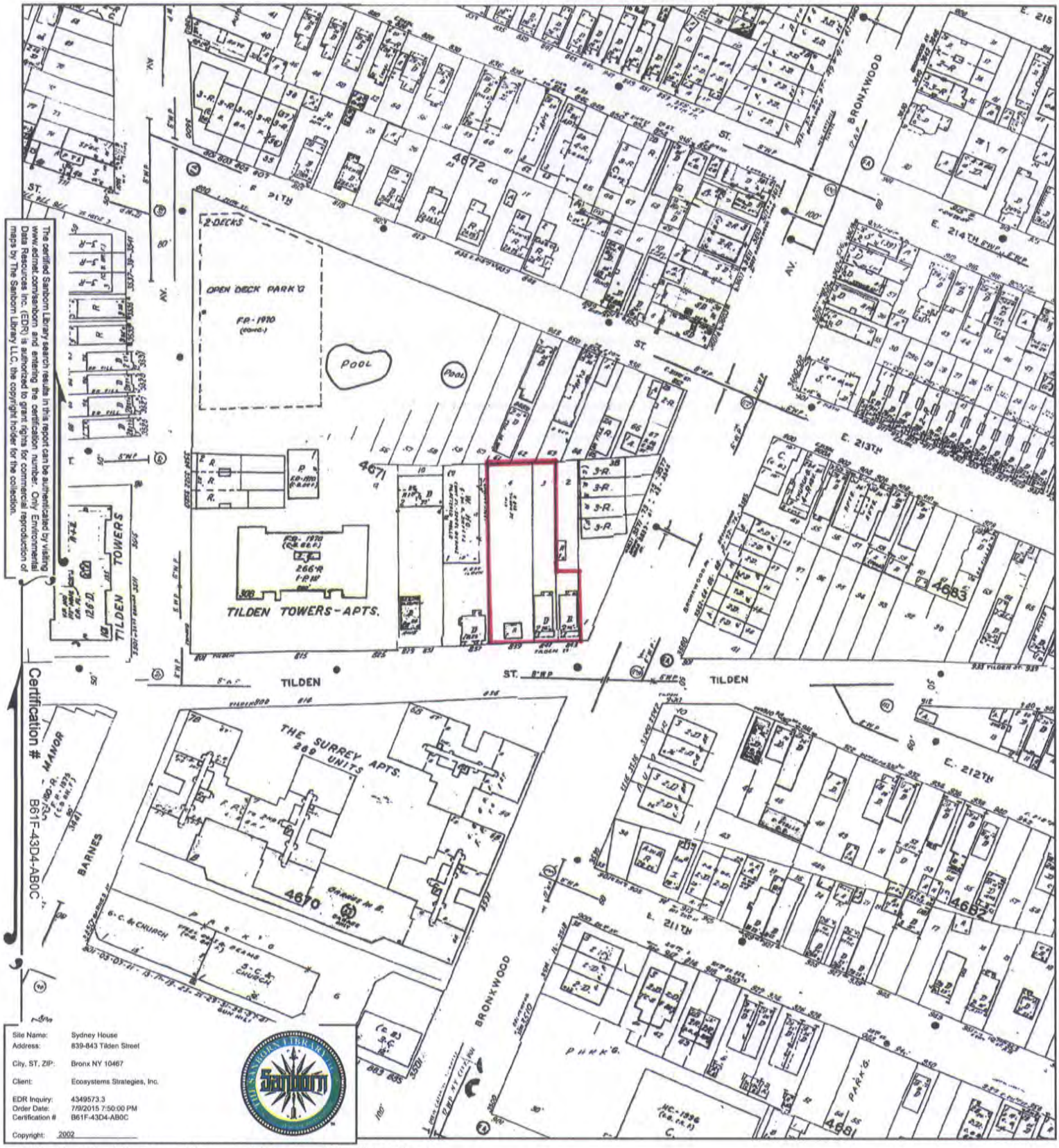

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Address:	839-843 Tilden Street
City, ST, ZIP:	Bronx NY 10467
Client:	Ecosystems Strategies, Inc.
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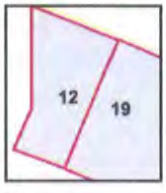

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Volume 18, Sheet 19

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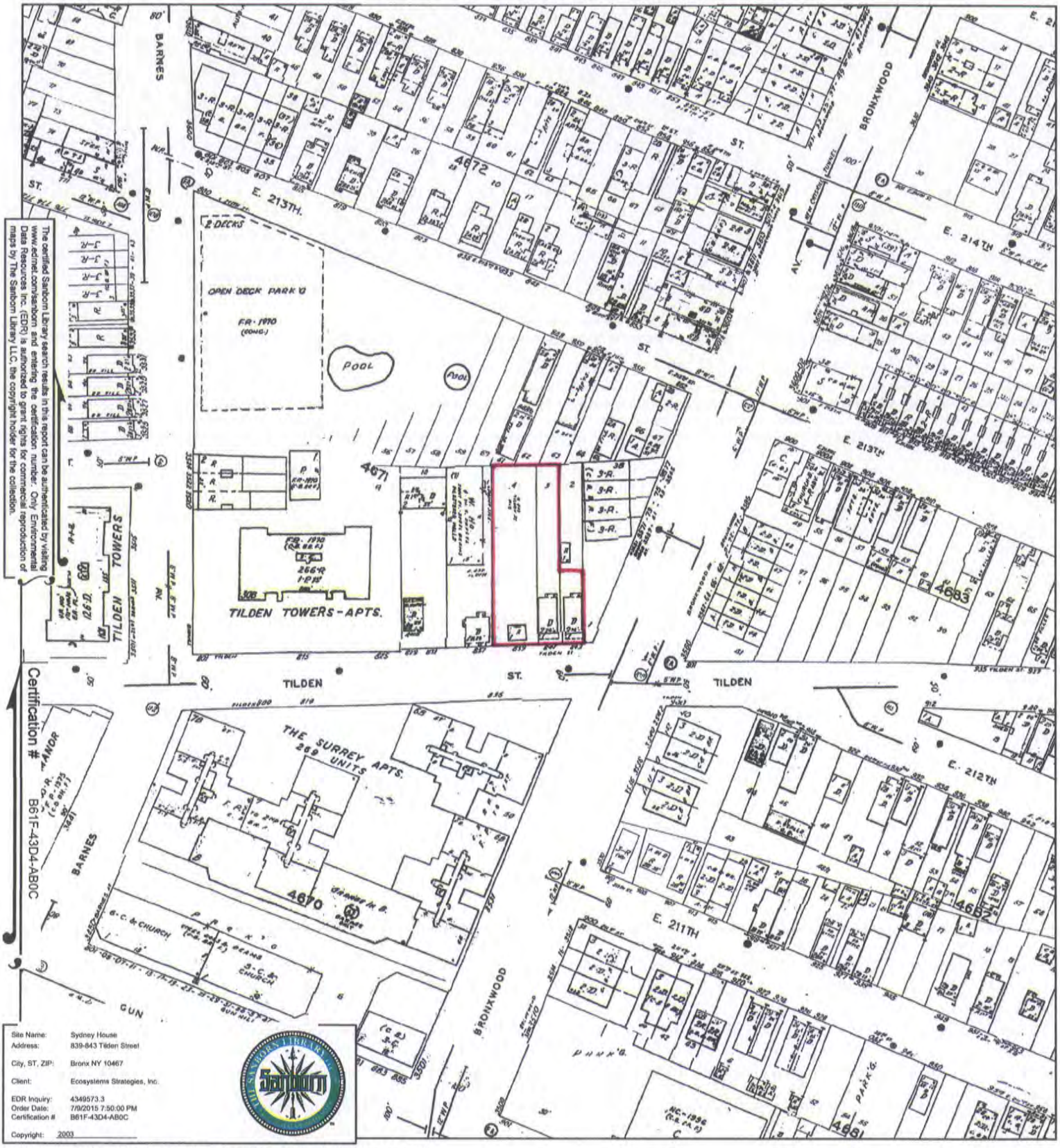

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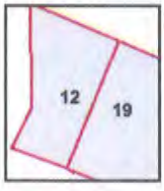

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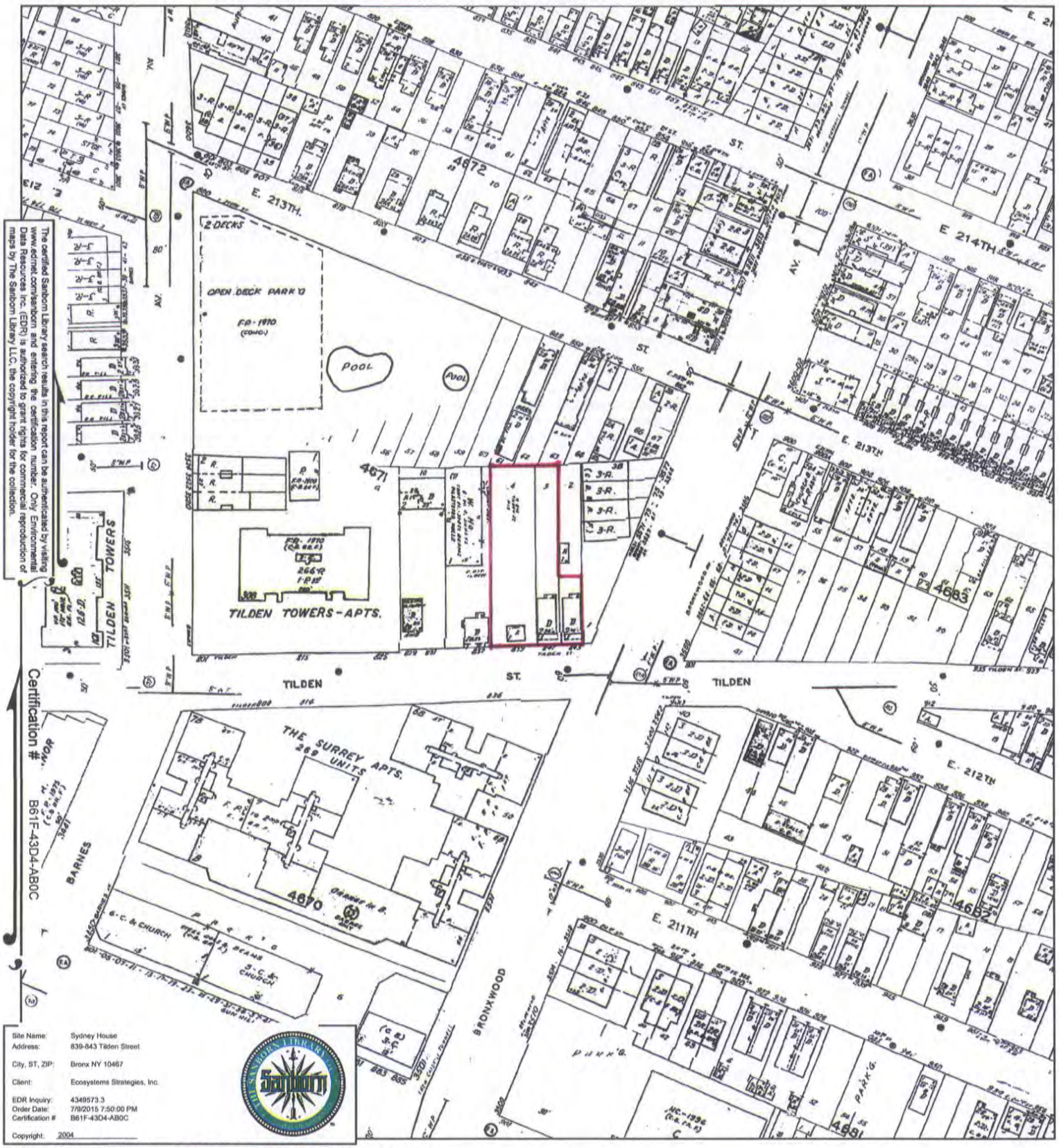

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Order Date:	7/9/2015 7:50:00 PM
Certification #	B61F-43D4-AB0C
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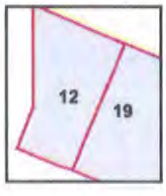

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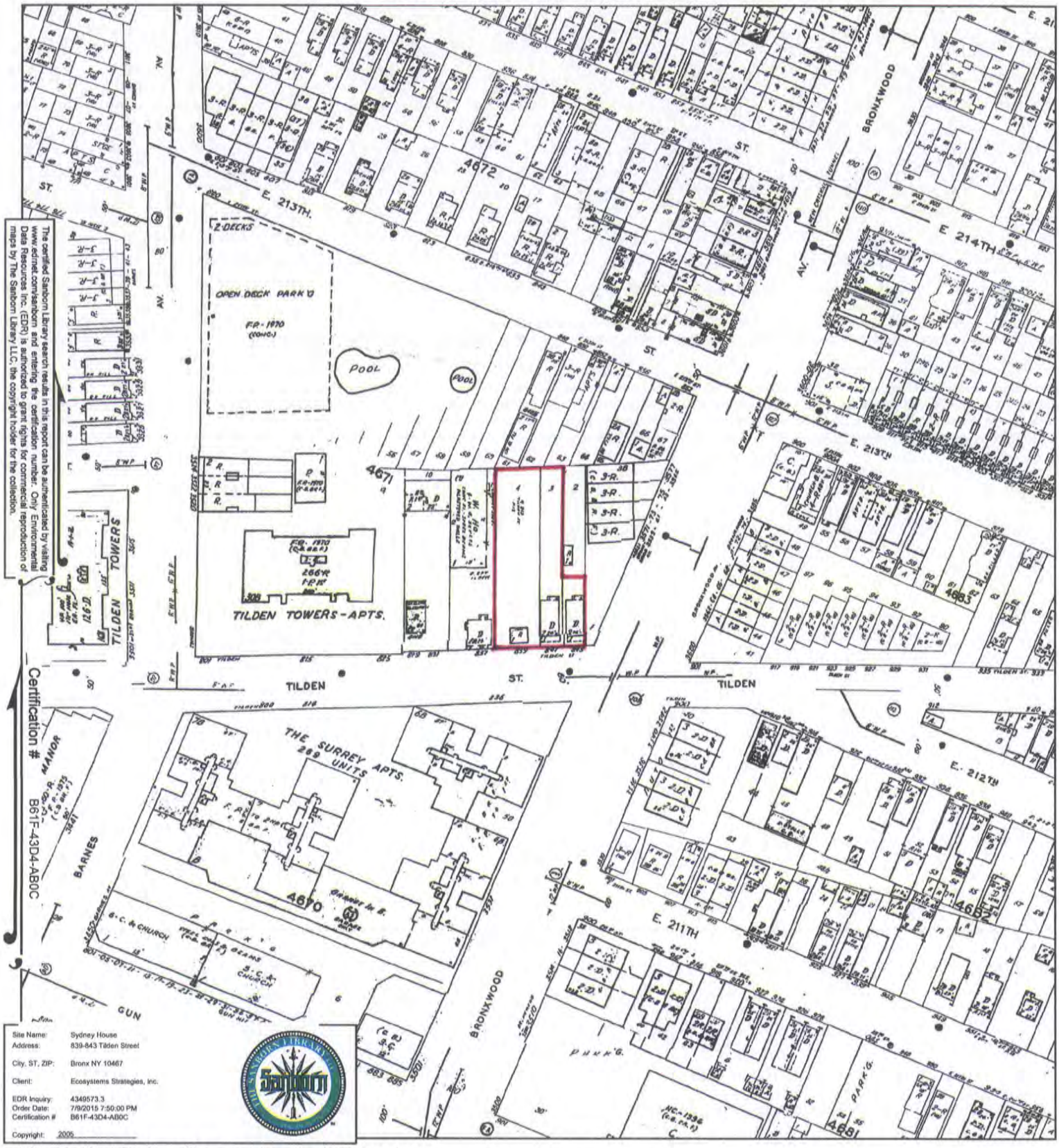

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Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	4349573.3
Order Date:	7/9/2015 7:50:00 PM
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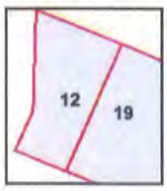

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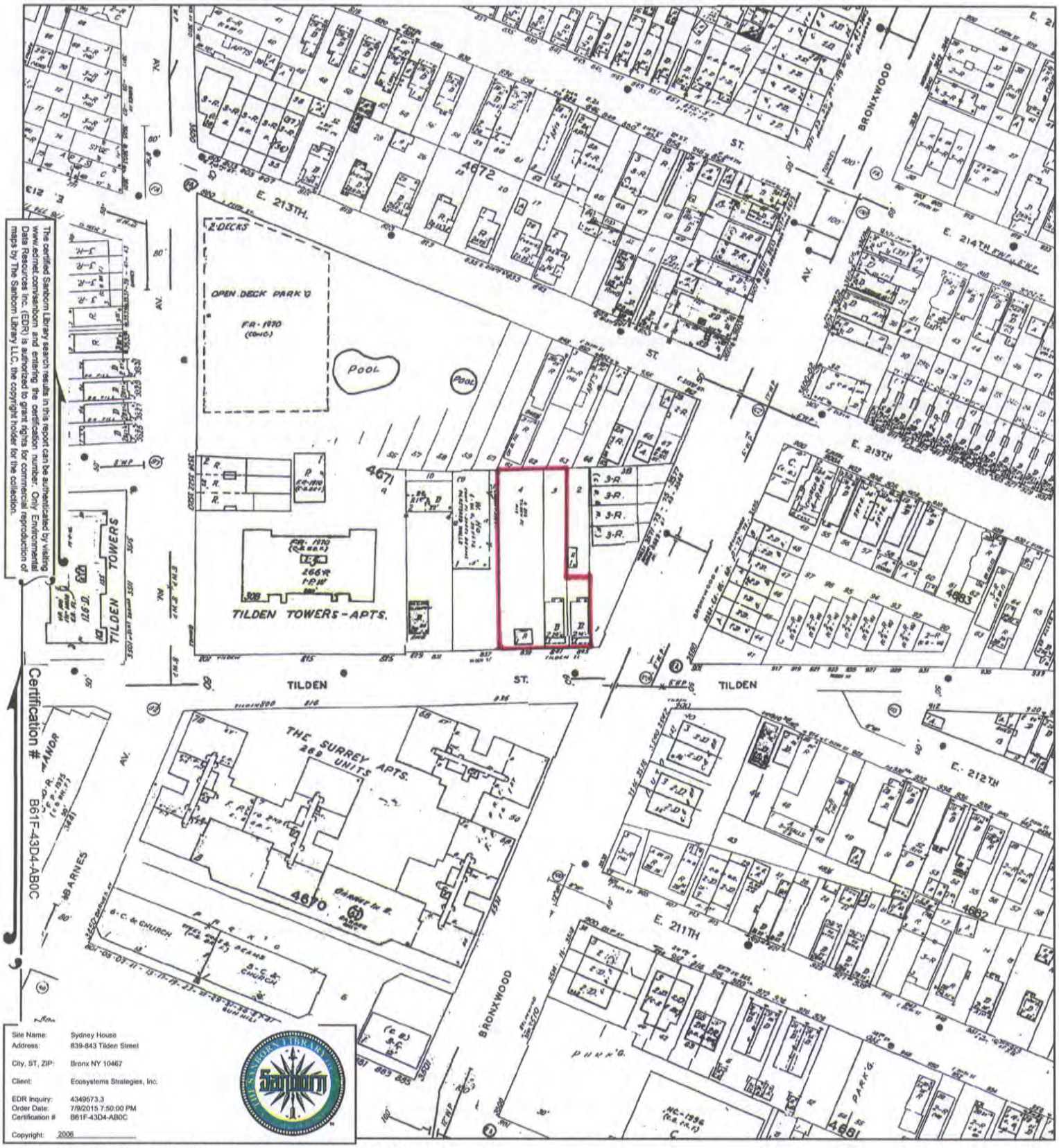

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Client:	Ecosystems Strategies, Inc.
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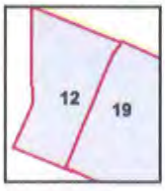

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0 Feet 150 300 600

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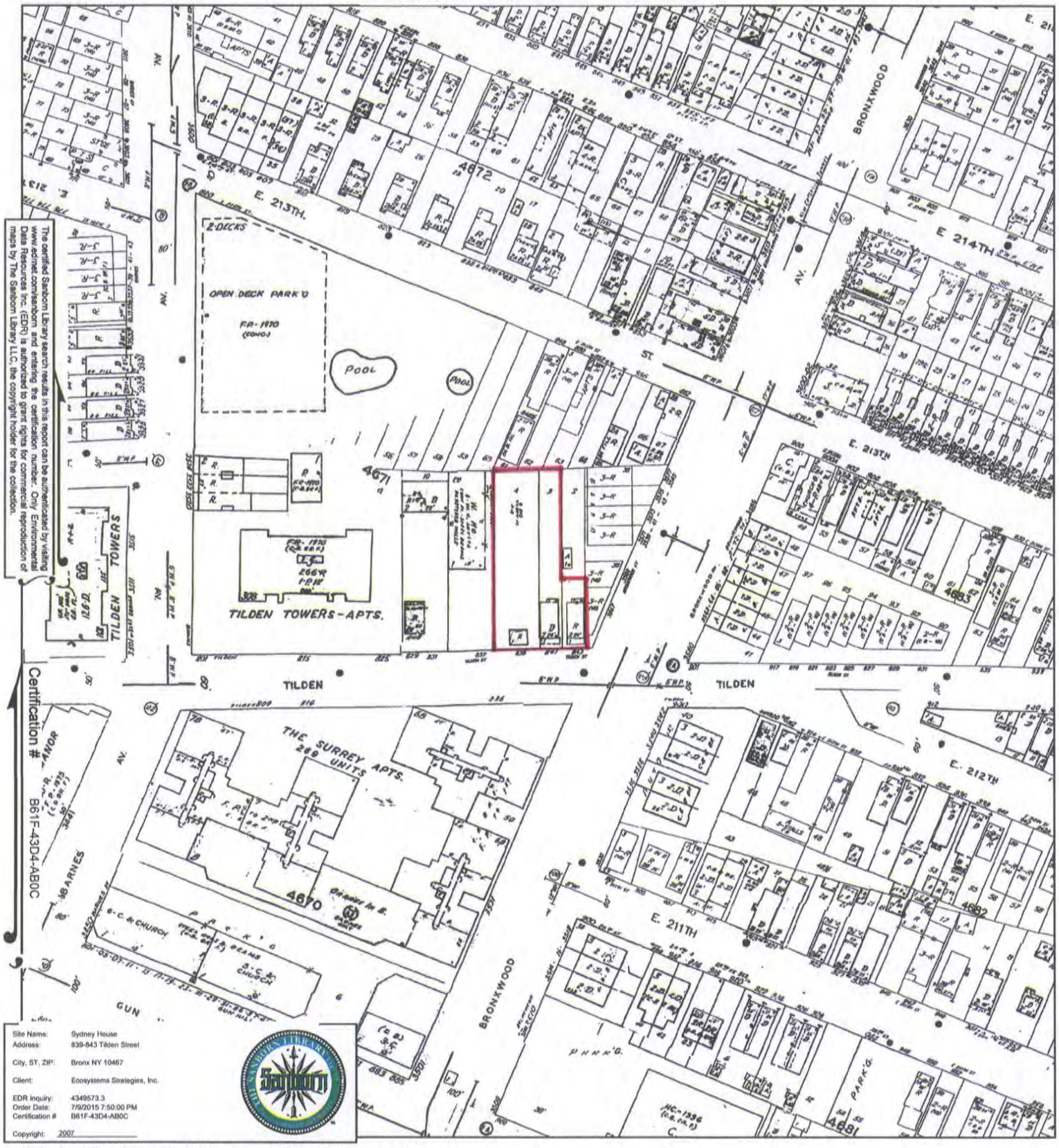

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Order Date:	7/9/2015 7:50:00 PM
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Copyright:	2007

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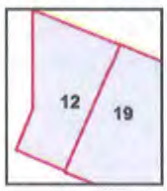


Volume 18, Sheet 12
Volume 18, Sheet 19

0 Feet 150 300 600

N

APPENDIX D

City Directories

Sydney House
839-843 Tilden Street
Bronx, NY 10467

Inquiry Number: 4349573.5
July 09, 2015

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1927 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	-	-	-
	Cole Information Services	-	X	X	-
2008	Cole Information Services	-	-	-	-
	Cole Information Services	-	X	X	-
2005	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	-	X	X	-
1993	New York Telephone	X	X	X	-
1983	New York Telephone	X	X	X	-
1976	New York Telephone Company	X	X	X	-
1971	New York Telephone	X	-	X	-
1965	New York Telephone Company	-	-	-	-
1961	New York Telephone	-	-	-	-
1956	New York Telephone	-	-	-	-
1949	New York Telephone	-	-	-	-
1940	New York Telephone	-	X	X	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	X	X	X	-
1927	New York Telephone	X	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
835 Tilden Street	Client Entered	X
837 Tilden Street	Client Entered	X
800 Tilden Street	Client Entered	X
848 East 213th Street	Client Entered	X
850 East 213th Street	Client Entered	
852 East 213th Street	Client Entered	X
3561 Bronxwood Avenue	Client Entered	X
3563 Bronxwood Avenue	Client Entered	
3571 Bronxwood Avenue	Client Entered	X
3573 Bronxwood Avenue	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

839-843 Tilden Street
Bronx, NY 10467

FINDINGS DETAIL

Target Property research detail.

Tilden

839 Tilden

Year	Uses	Source
1983	CARPENTER LEROY M B	New York Telephone

841 Tilden

Year	Uses	Source
2005	Ag Waterproofing Corp	Hill-Donnelly Information Services
1993	RAMOS DAVID	New York Telephone
1931	Alonge Frank	Manhattan and Bronx Directory Publishing Company Residential Directory
	Alonge Louis	Manhattan and Bronx Directory Publishing Company Residential Directory
	Brietta Joe	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Alonge C Miss r	New York Telephone

843 Tilden

Year	Uses	Source
2005	Camille Wendy v	Hill-Donnelly Information Services
	Lewis Neomie yv	Hill-Donnelly Information Services
	Tract 36005:368 even s	Hill-Donnelly Information Services
	Tract 36005:380 odd s	Hill-Donnelly Information Services
	Tract 36005:382 odd s	Hill-Donnelly Information Services
1983	WALKER E	New York Telephone
1976	HARRIS PETHRONA	New York Telephone Company
1971	HAZEL CLIFFORD	New York Telephone
1931	Di Stasio Apospino	Manhattan and Bronx Directory Publishing Company Residential Directory
	Stasco Ralph	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Stasio Jos r	New York Telephone

FINDINGS

Year	Uses	Source
1927	Stasio Michael r	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

Bronxwood Avenue

3561 Bronxwood Avenue

Year	Uses	Source
1976	PERRY JAS B	New York Telephone Company

3571 Bronxwood Avenue

Year	Uses	Source
2005	Singh Deodat	Hill-Donnelly Information Services
	H Singh H AV	Hill-Donnelly Information Services
2000	DEODAT SINGH	Cole Information Services
	H SINGH	Cole Information Services
1993	SINGH H	New York Telephone
	JONES Edward	New York Telephone
	SINGH H	New York Telephone
	JONES EDWARD	New York Telephone

3573 Bronxwood Avenue

Year	Uses	Source
2005	Sisnett S vo	Hill-Donnelly Information Services
2000	ANDREA ROSE	Cole Information Services
1993	TURNER L	New York Telephone
	TURNER L	New York Telephone

East 213th Street

848 East 213th Street

Year	Uses	Source
2005	Akujuo Victoria C v	Hill-Donnelly Information Services
	Diby Konan vv	Hill-Donnelly Information Services
2000	J LEE	Cole Information Services
1940	Mantovani A	New York Telephone

852 East 213th Street

Year	Uses	Source
2005	Ballard Tanya vv	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Jones U Av	Hill-Donnelly Information Services
	Rodney Loma	Hill-Donnelly Information Services
1940	Agugliaro C	New York Telephone

TILDEN ST

835 TILDEN ST

Year	Uses	Source
2013	EAST END SANITATION CORP	Cole Information Services
2008	EAST END SANITATION CORP	Cole Information Services

Tilden Street

800 Tilden Street

Year	Uses	Source
1983	JOHNSON MELSADA L	New York Telephone

835 Tilden Street

Year	Uses	Source
2005	East End Sanitation Corp	Hill-Donnelly Information Services
1983	EAST END SANITATION CORP	New York Telephone

837 Tilden Street

Year	Uses	Source
1993	BROWN Dion	New York Telephone
	NDIAYE Ibrahima Elhadgi	New York Telephone
	BROWN DION	New York Telephone
	NDIAYE IBRAHIMA ELHADGI	New York Telephone
1931	Reinheimer Jos	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Guglielmo M contr	New York Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
839-843 Tilden Street	2013, 2008, 2000, 1965, 1961, 1956, 1949, 1940

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
3561 Bronxwood Avenue	2013, 2008, 2005, 2000, 1993, 1983, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
3563 Bronxwood Avenue	2013, 2008, 2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
3571 Bronxwood Avenue	2013, 2008, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
3573 Bronxwood Avenue	2013, 2008, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
800 Tilden Street	2013, 2008, 2005, 2000, 1993, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
835 TILDEN ST	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
835 Tilden Street	2013, 2008, 2000, 1993, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
837 Tilden Street	2013, 2008, 2005, 2000, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940
848 East 213th Street	2013, 2008, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1931, 1927
850 East 213th Street	2013, 2008, 2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
852 East 213th Street	2013, 2008, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1931, 1927

APPENDIX E

Regulatory Review Database Report

Sydney House
839-843 Tilden Street
Bronx, NY 10467

Inquiry Number: 4349573.2s
July 17, 2015

The EDR Radius Map™ Report with GeoCheck®

Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

839-843 TILDEN STREET
BRONX, NY 10467

COORDINATES

Latitude (North):	40.8772000 - 40° 52' 37.92''
Longitude (West):	73.8601000 - 73° 51' 36.36''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	596048.6
UTM Y (Meters):	4525539.0
Elevation:	104 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-H7 MOUNT VERNON, NY
Version Date:	1995
South Map:	40073-G7 FLUSHING, NY
Version Date:	1995
Southwest Map:	40073-G8 CENTRAL PARK, NY NJ
Version Date:	1995
West Map:	40073-H8 YONKERS, NY NJ
Version Date:	1998

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20110710, 20100731
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
839-843 TILDEN STREET
BRONX, NY 10467

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LOT 3,TAXBLOCK 4671	841 TILDEN STREET	E DESIGNATION		TP
A2	LOT 4,TAXBLOCK 4671	839 TILDEN STREET	E DESIGNATION		TP
A3	LOT 64,TAXBLOCK 4671	856 EAST 213 STREET	E DESIGNATION	Higher	68, 0.013, NE
A4	LOT 41,TAXBLOCK 4682	3542 BRONXWOOD AVENU	E DESIGNATION	Lower	155, 0.029, South
A5	LOT 39,TAXBLOCK 4682	3540 BRONXWOOD AVENU	E DESIGNATION	Lower	170, 0.032, South
A6	SURREY COOP APTS.	836 TILDEN STREET	UST	Lower	178, 0.034, WSW
B7	LOT 9,TAXBLOCK 4671	835 TILDEN STREET	E DESIGNATION	Lower	187, 0.035, WSW
8	LOT 67,TAXBLOCK 4671	862 EAST 213 STREET	E DESIGNATION	Higher	196, 0.037, North
B9	LOT 10,TAXBLOCK 4671	831 TILDEN STREET	E DESIGNATION	Lower	207, 0.039, WSW
C10	LOT 32,TAXBLOCK 4684	3600 BRONXWOOD AVENU	E DESIGNATION	Higher	238, 0.045, NE
B11	VS2579	801 TILDEN AV	NY Spills	Lower	357, 0.068, WSW
B12	CONSOLIDATED EDISON	MH28203-801 TILDEN A	MANIFEST	Lower	357, 0.068, WSW
B13	TILDEN TOWERS HSG CO	801 TILDEN ST	UST, HIST UST	Lower	357, 0.068, WSW
B14	CONSOLIDATED EDISON	V2379-801 TILDEN ST	MANIFEST	Lower	357, 0.068, WSW
B15	TILDEN TOWERS HOUSIN	3511 BARNES AVE	UST	Lower	367, 0.070, West
B16	TILDEN TOWERS HOUSIN	3511 BARNES AVE	AST	Lower	367, 0.070, West
B17	TILDEN TOWERS NO. 1	3511 BARNES AVENUE	NY Spills	Lower	367, 0.070, West
B18	CON EDISON GAS MAIN	BARNES AVE & TILDEN	RCRA NonGen / NLR, MANIFEST	Lower	369, 0.070, WSW
C19	925 EAST 213RD ST	925 EAST 213RD ST	NY Spills	Higher	374, 0.071, ENE
D20	APART	3531 BRONXWOOD AVE	LTANKS	Lower	387, 0.073, South
E21	SPILL NUMBER 0009616	939 TILDEN ST	NY Spills	Higher	425, 0.080, ESE
C22	935 EAST 213TH ST	935 EAST 213TH ST	LTANKS	Higher	434, 0.082, ENE
E23	936 EAST 212TH ST/BX	936 EAST 212TH STREE	NY Spills	Higher	442, 0.084, ESE
E24	936 E 212TH ST	936 E. 212TH STREET	NY Spills	Higher	448, 0.085, ESE
F25	FORMER ROFAY NURSING	946 E 211TH ST	LTANKS	Lower	477, 0.090, SE
F26	VACANT BUILDING	946 EAST 211TH STREE	AST	Lower	477, 0.090, SE
D27	K & S BETTER CLEANER	849 EAST GUNHILL RD.	DRYCLEANERS	Lower	507, 0.096, SSW
D28	FASHION CLEANERS	849 E GUNHILL RD	RCRA-SQG, FINDS, MANIFEST	Lower	507, 0.096, SSW
D29		849 E GUN HILL RD	EDR US Hist Cleaners	Lower	507, 0.096, SSW
D30		885 E GUN HILL RD	EDR US Hist Cleaners	Lower	513, 0.097, SSW
G31	836 EAST 214TH ST	836 EAST 214TH ST	NY Spills	Higher	515, 0.098, NNW
G32	UNOCCUPIED FAMILY HO	839 EAST 214 ST	LTANKS	Higher	516, 0.098, North
D33	LOT 2,TAXBLOCK 4670	3501 BRONXWOOD AVENU	E DESIGNATION	Lower	521, 0.099, South
D34	CONSOLIDATED EDISON	EAST GUN HILL RD & B	MANIFEST	Lower	525, 0.099, South
D35	RITE AID #3858	901 E GUN HILL RD	RCRA-LQG, MANIFEST	Lower	527, 0.100, South
D36	CONSOLIDATED EDISON	BRONXWOOD AVE & GUN	MANIFEST	Lower	534, 0.101, South
D37	MANHOLE 15405	E.GUN HILL RD & BRON	NY Spills	Lower	534, 0.101, South
D38	LOT 22,TAXBLOCK 4635	900 EAST GUN HILL RO	E DESIGNATION	Lower	541, 0.102, South
D39	CLEAN & FRESH/CIMA C	902 EAST GUN HILL RO	DRYCLEANERS	Lower	546, 0.103, South

MAPPED SITES SUMMARY

Target Property Address:
839-843 TILDEN STREET
BRONX, NY 10467

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D40		902 E GUN HILL RD	EDR US Hist Cleaners	Lower	546, 0.103, South
D41	LOT 24,TAXBLOCK 4635	908 EAST GUN HILL RO	E DESIGNATION	Lower	560, 0.106, South
D42	LOT 26,TAXBLOCK 4635	910 EAST GUN HILL RO	E DESIGNATION	Lower	565, 0.107, South
D43	LOT 28,TAXBLOCK 4635	914 EAST GUN HILL RO	E DESIGNATION	Lower	574, 0.109, South
44	935 E 214TH ST	935 E 214TH ST	NY Spills	Higher	598, 0.113, ENE
H45	LOT 5,TAXBLOCK 4670	801 EAST GUN HILL RO	E DESIGNATION	Lower	599, 0.113, SW
H46	EVANDER CHILDS HS (4	800 EAST GUN HILL RO	HIST UST	Lower	607, 0.115, SW
H47	EVANDER CHILDS H.S.	800 GUN HILL RD	RCRA-LQG, MANIFEST	Lower	607, 0.115, SW
H48	EVANDER CHILDS HS (X	800 EAST GUN HILL RO	AST	Lower	607, 0.115, SW
H49	MANHOLE 15404	BARNES AVE & GUNHILL	NY Spills	Lower	608, 0.115, SW
H50	CONSOLIDATED EDISON	BARNES AVE & GUN HIL	MANIFEST	Lower	608, 0.115, SW
H51	BRONXWOOD HOME	799 E. GUNHILL ROAD	AST	Lower	611, 0.116, SW
I52	LOT 133,TAXBLOCK 463	934 EAST GUN HILL RO	E DESIGNATION	Lower	628, 0.119, South
I53	MTA NYCT - GUN HILL	934 E GUN HILL RD	RCRA NonGen / NLR, FINDS, MANIFEST	Lower	628, 0.119, South
54	MANHOLE #15407	GUNHILL RD & BRONXWO	NY Spills	Lower	637, 0.121, SSW
I55	LOT 34,TAXBLOCK 4635	938 EAST GUN HILL RO	E DESIGNATION	Lower	641, 0.121, South
56	UNKNOWN	861 E 215TH ST	LTANKS	Higher	666, 0.126, North
G57	850 EAST 215TH ST/BX	850 EAST 215TH STREE	NY Spills	Higher	681, 0.129, North
J58		771 E GUN HILL RD	EDR US Hist Cleaners	Lower	810, 0.153, WSW
K59	LOT 47,TAXBLOCK 4660	3560 CARLISLE PLACE	NY Spills, E DESIGNATION	Higher	826, 0.156, WNW
L60	IN FRONT OF	1000 EAST 211TH ST.	NY Spills	Lower	862, 0.163, SE
M61		770 E 214TH ST	EDR US Hist Auto Stat	Higher	872, 0.165, NW
L62	1010 EAST 211TH	1010 EAST 211TH	NY Spills	Lower	913, 0.173, SE
J63	LOT 75,TAXBLOCK 4659	725 TILDEN STREET	NY Spills, E DESIGNATION	Lower	931, 0.176, West
64	213212; 216 ST AND B	216 ST AND BRONXWOOD	NY Spills	Higher	932, 0.177, NNE
N65		1009 E 213TH ST	EDR US Hist Auto Stat	Higher	943, 0.179, East
66	SPILL NUMBER 0300590	1019 EAST 212TH STRE	NY Spills	Lower	947, 0.179, ESE
67	SPILL NUMBER 0306255	3362 COLDEN AVE	LTANKS	Lower	950, 0.180, SSE
O68	MAN HOLE 15409	SOUTH EAST CORNER PA	NY Spills	Lower	971, 0.184, SSE
O69	CON ED - V 4042	692 NEPPERHAN AVE N/	RCRA NonGen / NLR, MANIFEST	Lower	972, 0.184, SSE
O70	MANHOLE 15409	GUN HILL ROAD AND PA	NY Spills	Lower	972, 0.184, SSE
O71	EDDIE'S/PAUL'S PARK	1002 EAST GUNHILL RO	DRYCLEANERS	Lower	985, 0.187, SSE
O72		1002 E GUN HILL RD	EDR US Hist Cleaners	Lower	985, 0.187, SSE
O73	PAULS CLEANERS	1002 E GUNHILL RD	RCRA NonGen / NLR, MANIFEST, US AIRS	Lower	985, 0.187, SSE
M74		746 E 214TH ST	EDR US Hist Auto Stat	Higher	1069, 0.202, NW
K75		3556 HOLLAND AVE	EDR US Hist Auto Stat	Higher	1078, 0.204, WNW
N76	7 GAL OF BENZINE INT	1030 EAST 213 STREET	NY Spills	Higher	1079, 0.204, East
N77	CON EDISON	1030 E 213 ST	RCRA NonGen / NLR, MANIFEST	Higher	1079, 0.204, East
K78	RESI: ST HILL	3563 HOLLAND AV	NY Spills	Higher	1087, 0.206, WNW

MAPPED SITES SUMMARY

Target Property Address:
839-843 TILDEN STREET
BRONX, NY 10467

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
P79	SPILL NUMBER 0301969	3542 HOLLAND AVE	NY Spills	Higher	1092, 0.207, WNW
N80		1034 E 213TH ST	EDR US Hist Auto Stat	Higher	1105, 0.209, East
P81		3533 HOLLAND AVE	EDR US Hist Auto Stat	Higher	1132, 0.214, West
Q82	LYNCH HOME	1042 EAST 211 ST	NY Spills	Lower	1134, 0.215, SE
Q83	1042 EAST 211TH ST/B	1042 EAST 211TH STRE	NY Spills	Lower	1134, 0.215, SE
R84	SPILL NUMBER 0108122	754 EAST GUNHILL RD	LTANKS, NY Spills	Lower	1146, 0.217, West
R85	IMMACULATE CONCEPTIO	754 EAST GUN HILL RO	UST, HIST UST	Lower	1147, 0.217, West
S86	APARTMENTS	3642 HOLLAND AVENUE	NY Spills	Higher	1170, 0.222, NW
S87		3647 HOLLAND AVE	EDR US Hist Cleaners	Higher	1186, 0.225, NW
T88	SPILL NUMBER 0011508	862 EAST 217 TH ST	NY Spills	Higher	1200, 0.227, NNE
R89	IMMACULATE CONCEPTIO	750 EAST GUN HILL RD	UST, HIST UST	Lower	1204, 0.228, West
90	ZAPPULLA HOME	782 MAGENTA AVE	LTANKS	Lower	1210, 0.229, SW
T91	852 EAST 217TH STREE	852 EAST 217TH STREE	NY Spills	Higher	1214, 0.230, North
92		1027 E GUN HILL RD	EDR US Hist Auto Stat	Lower	1234, 0.234, SE
T93	KNIGHT RESIDENCE	847 EAST 217TH ST	NY Spills	Higher	1236, 0.234, North
S94		728 E 214TH ST	EDR US Hist Auto Stat	Higher	1240, 0.235, NW
95	INTERMEDIATE SCHOOL	3710 BARNES AVE	LTANKS, NY Spills	Higher	1243, 0.235, North
96	J & J CLEANERS	3728 BRONXWOOD AVE	RCRA NonGen / NLR, FINDS, MANIFEST	Higher	1258, 0.238, NNE
97	904 BURKE AVENUE, LL	904 BURKE AVENUE	LTANKS, NY Spills, BROWNFIELDS	Lower	2074, 0.393, South

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LOT 3,TAXBLOCK 4671 841 TILDEN STREET BRONX, NY	E DESIGNATION	N/A
LOT 4,TAXBLOCK 4671 839 TILDEN STREET BRONX, NY	E DESIGNATION	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls
LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS ---------- Inactive Hazardous Waste Disposal Sites in New York State
VAPOR REOPENED ---------- Vapor Intrusion Legacy Site List

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---------- Facility Register

State and tribal leaking storage tank lists

HIST LTANKS ---------- Listing of Leaking Storage Tanks
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

TANKS ---------- Storage Tank Faciliy Listing
CBS UST ---------- Chemical Bulk Storage Database
MOSF UST ---------- Major Oil Storage Facilities Database
CBS AST ---------- Chemical Bulk Storage Database
MOSF AST ---------- Major Oil Storage Facilities Database
MOSF ---------- Major Oil Storage Facility Site Listing
CBS ---------- Chemical Bulk Storage Site Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land
FEMA UST ---------- Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

ENG CONTROLS ---------- Registry of Engineering Controls
INST CONTROL ---------- Registry of Institutional Controls
RES DECL ---------- Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing
VCP ---------- Voluntary Cleanup Agreements

State and tribal Brownfields sites

ERP ---------- Environmental Restoration Program Listing

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
SWRCY ..... Registered Recycling Facility List
SWTIRE ..... Registered Waste Tire Storage & Facility List
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
DEL SHWS ..... Delisted Registry Sites
US HIST CDL ..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST AST ..... Historical Petroleum Bulk Storage Database

Local Land Records

LIENS 2 ..... CERCLA Lien Information
LIENS ..... Spill Liens Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
NY Hist Spills ..... SPILLS Database
SPILLS 80 ..... SPILLS 80 data from FirstSearch
SPILLS 90 ..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
US MINES ..... Mines Master Index File
TRIS ..... Toxic Chemical Release Inventory System
TSCA ..... Toxic Substances Control Act
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ..... Section 7 Tracking Systems
ICIS ..... Integrated Compliance Information System
PADS ..... PCB Activity Database System

MLTS ---- Material Licensing Tracking System
RADINFO ---- Radiation Information Database
FINDS ---- Facility Index System/Facility Registry System
RAATS ---- RCRA Administrative Action Tracking System
RMP ---- Risk Management Plans
HSWDS ---- Hazardous Substance Waste Disposal Site Inventory
UIC ---- Underground Injection Control Wells
SPDES ---- State Pollutant Discharge Elimination System
AIRS ---- Air Emissions Data
INDIAN RESERV ---- Indian Reservations
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER ---- PCB Transformer Registration Database
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
LEAD SMELTERS ---- Lead Smelter Sites
Financial Assurance ---- Financial Assurance Information Listing
COAL ASH ---- Coal Ash Disposal Site Listing
2020 COR ACTION ---- 2020 Corrective Action Program List
PRP ---- Potentially Responsible Parties
COAL ASH DOE ---- Steam-Electric Plant Operation Data

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---- EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS ---- Recovered Government Archive State Hazardous Waste Facilities List
RGA LF ---- Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/10/2015 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RITE AID #3858	***901 E GUN HILL RD***	***S 0 - 1/8 (0.100 mi.)***	***D35***	***73***
EVANDER CHILDS H.S.	***800 GUN HILL RD***	***SW 0 - 1/8 (0.115 mi.)***	***H47***	***98***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/10/2015 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FASHION CLEANERS	***849 E GUNHILL RD***	***SSW 0 - 1/8 (0.096 mi.)***	***D28***	***57***

State and tribal leaking storage tank lists

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 05/18/2015 has revealed that there are 9 LTANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
935 EAST 213TH ST Program Number: 9712328 Spill Number/Closed Date: 9712328 / 8/8/2005 Site ID: 112610	935 EAST 213TH ST	ENE 0 - 1/8 (0.082 mi.)	C22	50
UNOCCUPIED FAMILY HO Program Number: 0509613 Spill Number/Closed Date: 0509613 / 1/26/2006 Site ID: 355416	839 EAST 214 ST	N 0 - 1/8 (0.098 mi.)	G32	71
UNKNOWN Program Number: 0210301 Spill Number/Closed Date: 0210301 / 7/29/2005 Site ID: 270709	861 E 215TH ST	N 1/8 - 1/4 (0.126 mi.)	56	126

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INTERMEDIATE SCHOOL	***3710 BARNES AVE***	***N 1/8 - 1/4 (0.235 mi.)***	***95***	***188***
Program Number: 1100954 Spill Number/Closed Date: 1100954 / 4/27/2011 Site ID: 448389				

Lower Elevation	Address	Direction / Distance	Map ID	Page
APART	3531 BRONXWOOD AVE	S 0 - 1/8 (0.073 mi.)	D20	46
Program Number: 0800395 Spill Number/Closed Date: 0800395 / 12/15/2014 Site ID: 396142				
FORMER ROFAY NURSING	946 E 211TH ST	SE 0 - 1/8 (0.090 mi.)	F25	54
Program Number: 0305261 Spill Number/Closed Date: 0305261 / 9/30/2003 Site ID: 82861				
SPILL NUMBER 0306255	3362 COLDEN AVE	SSE 1/8 - 1/4 (0.180 mi.)	67	140
Program Number: 0306255 Spill Number/Closed Date: 0306255 / 9/19/2003 Site ID: 285123				
SPILL NUMBER 0108122	***754 EAST GUNHILL RD***	***W 1/8 - 1/4 (0.217 mi.)***	***R84***	***171***
Program Number: 0108122 Spill Number/Closed Date: 0108122 / 6/30/2003 Site ID: 310355				
ZAPPULLA HOME	782 MAGENTA AVE	SW 1/8 - 1/4 (0.229 mi.)	90	182
Program Number: 0509192 Spill Number/Closed Date: 0509192 / 11/9/2005 Site ID: 354927				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the UST list, as provided by EDR, and dated 03/30/2015 has revealed that there are 3 UST sites within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SURREY COOP APTS.	836 TILDEN STREET	WSW 0 - 1/8 (0.034 mi.)	A6	10
Id/Status:: 2-349976				
TILDEN TOWERS HSG CO	***801 TILDEN ST***	***WSW 0 - 1/8 (0.068 mi.)***	***B13***	***20***
Id/Status:: 2-188336				
TILDEN TOWERS HOUSIN	3511 BARNES AVE	W 0 - 1/8 (0.070 mi.)	B15	24
Id/Status:: 2-404160				

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the AST list, as provided by EDR, and dated 03/30/2015 has revealed that there are 4 AST sites within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TILDEN TOWERS HOUSIN Facility Id: 2-404160	3511 BARNES AVE	W 0 - 1/8 (0.070 mi.)	B16	26
VACANT BUILDING Facility Id: 2-206997	946 EAST 211TH STREE	SE 0 - 1/8 (0.090 mi.)	F26	55
EVANDER CHILDS HS (X Facility Id: 2-478601	800 EAST GUN HILL RO	SW 0 - 1/8 (0.115 mi.)	H48	113
BRONXWOOD HOME Facility Id: 2-605463	799 E. GUNHILL ROAD	SW 0 - 1/8 (0.116 mi.)	H51	119

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A review of the BROWNFIELDS list, as provided by EDR, and dated 05/18/2015 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
904 BURKE AVENUE, LL Site Code: 336147	***904 BURKE AVENUE***	***S 1/4 - 1/2 (0.393 mi.)***	***97***	***214***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 4 HIST UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TILDEN TOWERS HSG CO Facility Status: 1 PBS Number: 2-188336 Tank Status: 1	***801 TILDEN ST***	***WSW 0 - 1/8 (0.068 mi.)***	***B13***	***20***
EVANDER CHILDS HS (4 Facility Status: 1 PBS Number: 2-478601 Tank Status: 1	800 EAST GUN HILL RO	SW 0 - 1/8 (0.115 mi.)	H46	96
IMMACULATE CONCEPTIO Facility Status: 1 PBS Number: 2-064181 Tank Status: 1	***754 EAST GUN HILL RO***	***W 1/8 - 1/4 (0.217 mi.)***	***R85***	***173***

Lower Elevation	Address	Direction / Distance	Map ID	Page
IMMACULATE CONCEPTIO	***750 EAST GUN HILL RD***	***W 1/8 - 1/4 (0.228 mi.)***	***R89***	***179***
Facility Status: 1				
PBS Number: 2-062529				
Tank Status: 1				

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/18/2015 has revealed that there are 31 NY Spills sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
925 EAST 213RD ST	925 EAST 213RD ST	ENE 0 - 1/8 (0.071 mi.)	C19	45
Site ID: 193819				
Spill Number/Closed Date: 9516871 / 4/1/1996				
spillno: 9516871				
SPILL NUMBER 0009616	939 TILDEN ST	ESE 0 - 1/8 (0.080 mi.)	E21	49
Site ID: 87466				
Spill Number/Closed Date: 0009616 / 1/16/2001				
spillno: 0009616				
936 EAST 212TH ST/BX	936 EAST 212TH STREE	ESE 0 - 1/8 (0.084 mi.)	E23	52
Site ID: 144260				
Spill Number/Closed Date: 9007004 / 9/26/1990				
spillno: 9007004				
936 E 212TH ST	936 E. 212TH STREET	ESE 0 - 1/8 (0.085 mi.)	E24	53
Site ID: 207573				
Spill Number/Closed Date: 9304626 / 2/13/2003				
spillno: 9304626				
836 EAST 214TH ST	836 EAST 214TH ST	NNW 0 - 1/8 (0.098 mi.)	G31	70
Site ID: 113823				
Spill Number/Closed Date: 9614744 / 3/25/1997				
spillno: 9614744				
935 E 214TH ST	935 E 214TH ST	ENE 0 - 1/8 (0.113 mi.)	44	95
Site ID: 376030				
Spill Number/Closed Date: 0611394 / 1/16/2007				
spillno: 0611394				
850 EAST 215TH ST/BX	850 EAST 215TH STREE	N 1/8 - 1/4 (0.129 mi.)	G57	128
Site ID: 196612				
Spill Number/Closed Date: 9009722 / 12/26/1990				
spillno: 9009722				
LOT 47,TAXBLOCK 4660	***3560 CARLISLE PLACE***	***WNW 1/8 - 1/4 (0.156 mi.)***	***K59***	***129***
Site ID: 211767				
Spill Number/Closed Date: 9414570 / 12/12/2005				
spillno: 9414570				
213212; 216 ST AND B	216 ST AND BRONXWOOD	NNE 1/8 - 1/4 (0.177 mi.)	64	136
Site ID: 432543				
Spill Number/Closed Date: 0814379 / 8/19/2008				
spillno: 0814379				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
7 GAL OF BENZINE INT	1030 EAST 213 STREET	E 1/8 - 1/4 (0.204 mi.)	N76	162
Site ID: 368591				
Spill Number/Closed Date: 0605430 / 11/15/2006				
spillno: 0605430				
RESI: ST HILL	3563 HOLLAND AV	WNW 1/8 - 1/4 (0.206 mi.)	K78	165
Site ID: 179812				
Spill Number/Closed Date: 9516140 / 3/15/1996				
spillno: 9516140				
SPILL NUMBER 0301969	3542 HOLLAND AVE	WNW 1/8 - 1/4 (0.207 mi.)	P79	166
Site ID: 218886				
Spill Number/Closed Date: 0301969 / 5/27/2003				
spillno: 0301969				
APARTMENTS	3642 HOLLAND AVENUE	NW 1/8 - 1/4 (0.222 mi.)	S86	176
Site ID: 490340				
Spill Number/Closed Date: 1309537 / 8/19/2014				
spillno: 1309537				
SPILL NUMBER 0011508	862 EAST 217 TH ST	NNE 1/8 - 1/4 (0.227 mi.)	T88	178
Site ID: 205807				
Spill Number/Closed Date: 0011508 / 3/5/2003				
spillno: 0011508				
852 EAST 217TH STREE	852 EAST 217TH STREE	N 1/8 - 1/4 (0.230 mi.)	T91	183
Site ID: 210623				
Spill Number/Closed Date: 9515736 / 3/8/1996				
spillno: 9515736				
KNIGHT RESIDENCE	847 EAST 217TH ST	N 1/8 - 1/4 (0.234 mi.)	T93	185
Site ID: 377947				
Site ID: 377964				
Spill Number/Closed Date: 0612992 / 3/28/2007				
Spill Number/Closed Date: 0613009 / 3/5/2007				
spillno: 0612992				
spillno: 0613009				
INTERMEDIATE SCHOOL	***3710 BARNES AVE***	***N 1/8 - 1/4 (0.235 mi.)***	***95***	***188***
Site ID: 408959				
Site ID: 470008				
Site ID: 154816				
Spill Number/Closed Date: 9514135 / 2/7/1996				
Spill Number/Closed Date: 1206978 / 11/15/2012				
Spill Number/Closed Date: 0811383 / Not Reported				
spillno: 0811383				
spillno: 1206978				
spillno: 9514135				

Lower Elevation	Address	Direction / Distance	Map ID	Page
VS2579	801 TILDEN AV	WSW 0 - 1/8 (0.068 mi.)	B11	13
Site ID: 321876				
Site ID: 321877				
Site ID: 462522				
Site ID: 497270				
Spill Number/Closed Date: 1403898 / 9/26/2014				
Spill Number/Closed Date: 0003731 / 4/9/2004				
Spill Number/Closed Date: 0003736 / 4/9/2004				
Spill Number/Closed Date: 1114463 / 5/10/2012				
spillno: 0003731				
spillno: 0003736				
spillno: 1114463				
spillno: 1403898				

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
TILDEN TOWERS NO. 1 Site ID: 251265 Spill Number/Closed Date: 9607944 / Not Reported spillno: 9607944	3511 BARNES AVENUE	W 0 - 1/8 (0.070 mi.)	B17	29
MANHOLE 15405 Site ID: 268975 Spill Number/Closed Date: 0207474 / 2/3/2003 spillno: 0207474	E.GUN HILL RD & BRON	S 0 - 1/8 (0.101 mi.)	D37	90
MANHOLE 15404 Site ID: 462904 Spill Number/Closed Date: 1200283 / 5/10/2012 spillno: 1200283	BARNES AVE & GUNHILL	SW 0 - 1/8 (0.115 mi.)	H49	117
MANHOLE #15407 Site ID: 190190 Spill Number/Closed Date: 9903439 / 7/27/1999 spillno: 9903439	GUNHILL RD & BRONXWO	SSW 0 - 1/8 (0.121 mi.)	54	124
IN FRONT OF Site ID: 419688 Spill Number/Closed Date: 0907198 / 12/30/2009 spillno: 0907198	1000 EAST 211TH ST.	SE 1/8 - 1/4 (0.163 mi.)	L60	131
1010 EAST 211TH Site ID: 419742 Spill Number/Closed Date: 0907242 / 8/12/2010 spillno: 0907242	1010 EAST 211TH	SE 1/8 - 1/4 (0.173 mi.)	L62	133
LOT 75,TAXBLOCK 4659 Site ID: 219168 Spill Number/Closed Date: 9511540 / 12/12/1995 spillno: 9511540	***725 TILDEN STREET***	***W 1/8 - 1/4 (0.176 mi.)***	***J63***	***135***
SPILL NUMBER 0300590 Site ID: 231951 Site ID: 149505 Spill Number/Closed Date: 0301224 / 5/5/2003 Spill Number/Closed Date: 0300590 / 4/16/2003 spillno: 0300590 spillno: 0301224	1019 EAST 212TH STRE	ESE 1/8 - 1/4 (0.179 mi.)	66	138
MAN HOLE 15409 Site ID: 455711 Spill Number/Closed Date: 1107999 / 1/12/2012 spillno: 1107999	SOUTH EAST CORNER PA	SSE 1/8 - 1/4 (0.184 mi.)	O68	141
MANHOLE 15409 Site ID: 424326 Spill Number/Closed Date: 0911514 / 2/23/2010 spillno: 0911514	GUN HILL ROAD AND PA	SSE 1/8 - 1/4 (0.184 mi.)	O70	144
LYNCH HOME Site ID: 356464 Spill Number/Closed Date: 0510478 / 12/6/2005 spillno: 0510478	1042 EAST 211 ST	SE 1/8 - 1/4 (0.215 mi.)	Q82	169
1042 EAST 211TH ST/B Site ID: 119877 Spill Number/Closed Date: 8904033 / 11/15/1994 spillno: 8904033	1042 EAST 211TH STRE	SE 1/8 - 1/4 (0.215 mi.)	Q83	170

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 0108122	***754 EAST GUNHILL RD***	***W 1/8 - 1/4 (0.217 mi.)***	***R84***	***171***
Site ID: 380747 Spill Number/Closed Date: 0701264 / 5/1/2007 spillno: 0701264				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/10/2015 has revealed that there are 6 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON	***1030 E 213 ST***	***E 1/8 - 1/4 (0.204 mi.)***	***N77***	***163***
J & J CLEANERS	***3728 BRONXWOOD AVE***	***NNE 1/8 - 1/4 (0.238 mi.)***	***96***	***204***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON GAS MAIN	***BARNES AVE & TILDEN***	***WSW 0 - 1/8 (0.070 mi.)***	***B18***	***43***
MTA NYCT - GUN HILL	***934 E GUN HILL RD***	***S 0 - 1/8 (0.119 mi.)***	***I53***	***122***
CON ED - V 4042	***692 NEPPERHAN AVE N/***	***SSE 1/8 - 1/4 (0.184 mi.)***	***O69***	***142***
PAULS CLEANERS	***1002 E GUNHILL RD***	***SSE 1/8 - 1/4 (0.187 mi.)***	***O73***	***147***

MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the MANIFEST list, as provided by EDR, and dated 05/01/2015 has revealed that there are 10 MANIFEST sites within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSOLIDATED EDISON EPA ID: NYP004057725	MH28203-801 TILDEN A	WSW 0 - 1/8 (0.068 mi.)	B12	18
CONSOLIDATED EDISON EPA ID: NYP004057717	V2379-801 TILDEN ST	WSW 0 - 1/8 (0.068 mi.)	B14	23
CON EDISON GAS MAIN EPA ID: NYP004235495	***BARNES AVE & TILDEN***	***WSW 0 - 1/8 (0.070 mi.)***	***B18***	***43***
FASHION CLEANERS EPA ID: NYD982536740	***849 E GUNHILL RD***	***SSW 0 - 1/8 (0.096 mi.)***	***D28***	***57***
CONSOLIDATED EDISON EPA ID: NYP004251906	EAST GUN HILL RD & B	S 0 - 1/8 (0.099 mi.)	D34	72
RITE AID #3858 EPA ID: NYR000187617	***901 E GUN HILL RD***	***S 0 - 1/8 (0.100 mi.)***	***D35***	***73***
CONSOLIDATED EDISON EPA ID: NYP004103784	BRONXWOOD AVE & GUN	S 0 - 1/8 (0.101 mi.)	D36	89

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
EVANDER CHILDS H.S. EPA ID: NYD986976561	***800 GUN HILL RD***	***SW 0 - 1/8 (0.115 mi.)***	***H47***	***98***
CONSOLIDATED EDISON EPA ID: NYP004251419	BARNES AVE & GUN HIL	SW 0 - 1/8 (0.115 mi.)	H50	118
MTA NYCT - GUN HILL EPA ID: NYR000062075	***934 E GUN HILL RD***	***S 0 - 1/8 (0.119 mi.)***	***I53***	***122***

DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the DRYCLEANERS list, as provided by EDR, and dated 03/31/2015 has revealed that there are 3 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
K & S BETTER CLEANER Facility Id: 2-6002-00308	849 EAST GUNHILL RD.	SSW 0 - 1/8 (0.096 mi.)	D27	57
CLEAN & FRESH/CIMA C Facility Id: 2-6002-00429	902 EAST GUN HILL RO	S 0 - 1/8 (0.103 mi.)	D39	93
EDDIE'S/PAUL'S PARK Facility Id: 2-6002-00212	1002 EAST GUNHILL RO	SSE 1/8 - 1/4 (0.187 mi.)	O71	146

E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the E DESIGNATION list, as provided by EDR, and dated 03/17/2015 has revealed that there are 15 E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 64,TAXBLOCK 4671	856 EAST 213 STREET	NE 0 - 1/8 (0.013 mi.)	A3	8
LOT 67,TAXBLOCK 4671	862 EAST 213 STREET	N 0 - 1/8 (0.037 mi.)	8	12
LOT 32,TAXBLOCK 4684	3600 BRONXWOOD AVENU	NE 0 - 1/8 (0.045 mi.)	C10	13

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 41,TAXBLOCK 4682	3542 BRONXWOOD AVENU	S 0 - 1/8 (0.029 mi.)	A4	9
LOT 39,TAXBLOCK 4682	3540 BRONXWOOD AVENU	S 0 - 1/8 (0.032 mi.)	A5	9
LOT 9,TAXBLOCK 4671	835 TILDEN STREET	WSW 0 - 1/8 (0.035 mi.)	B7	12
LOT 10,TAXBLOCK 4671	831 TILDEN STREET	WSW 0 - 1/8 (0.039 mi.)	B9	13
LOT 2,TAXBLOCK 4670	3501 BRONXWOOD AVENU	S 0 - 1/8 (0.099 mi.)	D33	72
LOT 22,TAXBLOCK 4635	900 EAST GUN HILL RO	S 0 - 1/8 (0.102 mi.)	D38	92
LOT 24,TAXBLOCK 4635	908 EAST GUN HILL RO	S 0 - 1/8 (0.106 mi.)	D41	93
LOT 26,TAXBLOCK 4635	910 EAST GUN HILL RO	S 0 - 1/8 (0.107 mi.)	D42	94
LOT 28,TAXBLOCK 4635	914 EAST GUN HILL RO	S 0 - 1/8 (0.109 mi.)	D43	94
LOT 5,TAXBLOCK 4670	801 EAST GUN HILL RO	SW 0 - 1/8 (0.113 mi.)	H45	96
LOT 133,TAXBLOCK 463	934 EAST GUN HILL RO	S 0 - 1/8 (0.119 mi.)	I52	121
LOT 34,TAXBLOCK 4635	938 EAST GUN HILL RO	S 0 - 1/8 (0.121 mi.)	I55	126

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 8 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	770 E 214TH ST	NW 1/8 - 1/4 (0.165 mi.)	M61	133
Not reported	1009 E 213TH ST	E 1/8 - 1/4 (0.179 mi.)	N65	138
Not reported	746 E 214TH ST	NW 1/8 - 1/4 (0.202 mi.)	M74	161
Not reported	3556 HOLLAND AVE	WNW 1/8 - 1/4 (0.204 mi.)	K75	162
Not reported	1034 E 213TH ST	E 1/8 - 1/4 (0.209 mi.)	N80	168
Not reported	3533 HOLLAND AVE	W 1/8 - 1/4 (0.214 mi.)	P81	168
Not reported	728 E 214TH ST	NW 1/8 - 1/4 (0.235 mi.)	S94	187

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1027 E GUN HILL RD	SE 1/8 - 1/4 (0.234 mi.)	92	184

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 6 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

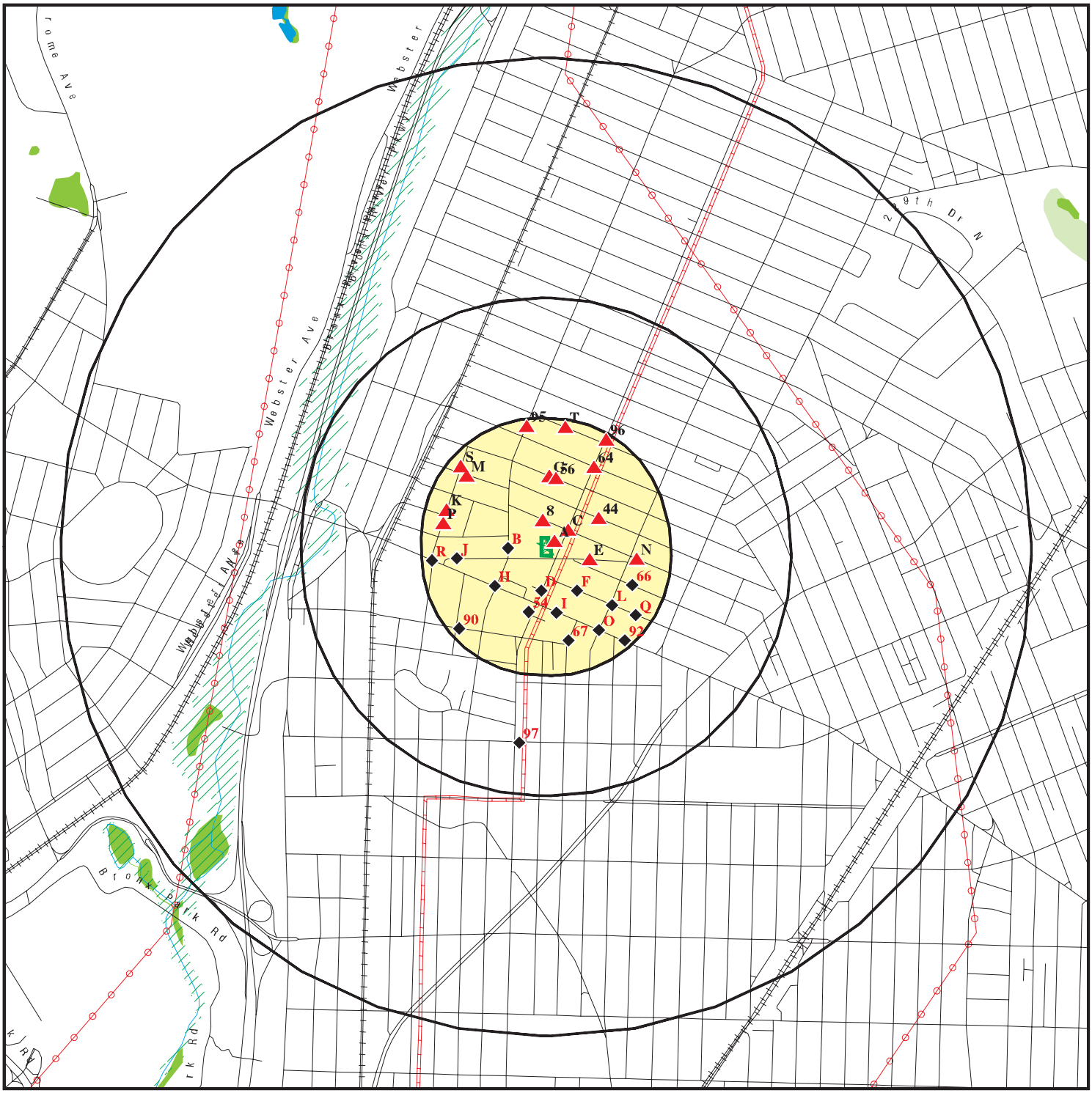
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	3647 HOLLAND AVE	NW 1/8 - 1/4 (0.225 mi.)	S87	177

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	849 E GUN HILL RD	SSW 0 - 1/8 (0.096 mi.)	D29	69
Not reported	885 E GUN HILL RD	SSW 0 - 1/8 (0.097 mi.)	D30	69
Not reported	902 E GUN HILL RD	S 0 - 1/8 (0.103 mi.)	D40	93
Not reported	771 E GUN HILL RD	WSW 1/8 - 1/4 (0.153 mi.)	J58	129
Not reported	1002 E GUN HILL RD	SSE 1/8 - 1/4 (0.187 mi.)	O72	146

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 0 records
There were no unmapped sites in this report.

OVERVIEW MAP - 4349573.2S

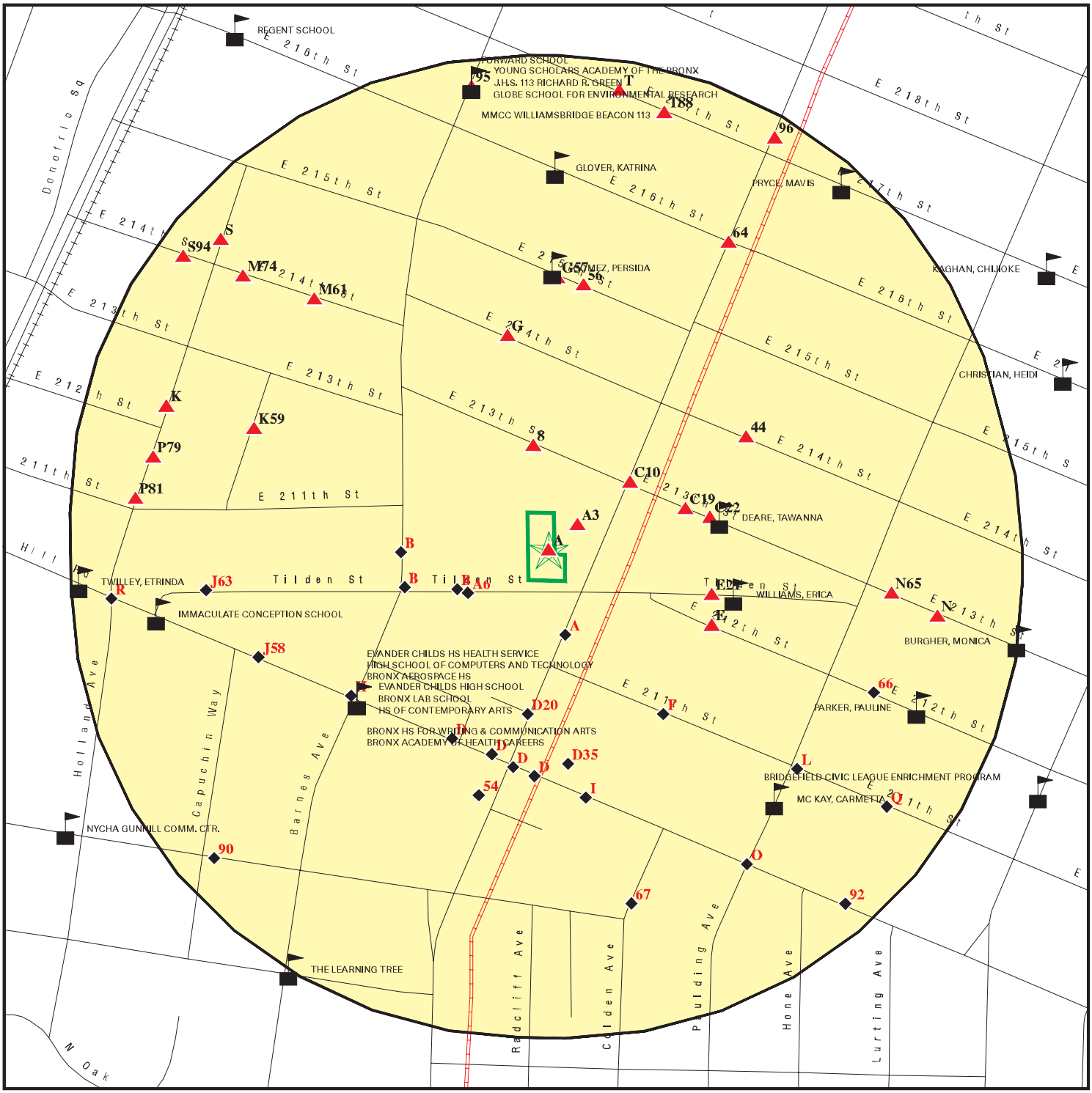


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Sydney House	CLIENT: Ecosystems Strategies, Inc.
ADDRESS: 839-843 Tilden Street Bronx NY 10467	CONTACT: Adam Atkinson
LAT/LONG: 40.8772 / 73.8601	INQUIRY #: 4349573.2s DATE: July 17, 2015 7:53 pm

DETAIL MAP - 4349573.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Pipelines
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Sydney House	CLIENT: Ecosystems Strategies, Inc.
ADDRESS: 839-843 Tilden Street Bronx NY 10467	CONTACT: Adam Atkinson
LAT/LONG: 40.8772 / 73.8601	INQUIRY #: 4349573.2s DATE: July 17, 2015 7:53 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		2	0	NR	NR	NR	2
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LTANKS	0.250		4	5	NR	NR	NR	9
HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
TANKS	0.250		0	0	NR	NR	NR	0
UST	0.125		3	NR	NR	NR	NR	3
CBS UST	0.250		0	0	NR	NR	NR	0
MOSF UST	0.500		0	0	0	NR	NR	0
AST	0.125		4	NR	NR	NR	NR	4
CBS AST	0.250		0	0	NR	NR	NR	0
MOSF AST	0.500		0	0	0	NR	NR	0
MOSF	0.500		0	0	0	NR	NR	0
CBS	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
ERP	0.500		0	0	0	NR	NR	0
BROWNFIELDS	0.500		0	0	1	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250		2	2	NR	NR	NR	4
HIST AST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.250		11	20	NR	NR	NR	31
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
SPILLS 80	0.125		0	NR	NR	NR	NR	0
SPILLS 90	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		2	4	NR	NR	NR	6
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
HSWDS	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.125		10	NR	NR	NR	NR	10
DRYCLEANERS	0.250		2	1	NR	NR	NR	3
SPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
E DESIGNATION	0.125	2	15	NR	NR	NR	NR	17
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PRP	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	8	NR	NR	NR	8
EDR US Hist Cleaners	0.250		3	3	NR	NR	NR	6
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		2	59	43	1	0	0	105

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property
LOT 3,TAXBLOCK 4671
841 TILDEN STREET
BRONX, NY

E DESIGNATION **S111377924**
N/A

Site 1 of 6 in cluster A

Actual:
104 ft.

E DESIGNATION:

Tax Lot(s):	3
Tax Block:	4671
Borough Code:	Not reported
E-No:	E-279
Effective Date:	10/5/2011
Satisfaction Date:	Not reported
Ceqr Number:	11DCP148X
Ulurp Number:	110384ZMX
Zoning Map No:	1d 2a 2b
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

A2
Target Property
LOT 4,TAXBLOCK 4671
839 TILDEN STREET
BRONX, NY

E DESIGNATION **S111378001**
N/A

Site 2 of 6 in cluster A

Actual:
104 ft.

E DESIGNATION:

Tax Lot(s):	4
Tax Block:	4671
Borough Code:	Not reported
E-No:	E-279
Effective Date:	10/5/2011
Satisfaction Date:	Not reported
Ceqr Number:	11DCP148X
Ulurp Number:	110384ZMX
Zoning Map No:	1d 2a 2b
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

A3
NE
< 1/8
0.013 mi.
68 ft.
LOT 64,TAXBLOCK 4671
856 EAST 213 STREET
BRONX, NY 10467

E DESIGNATION **S111378117**
N/A

Site 3 of 6 in cluster A

Relative:
Higher

Actual:
111 ft.

E DESIGNATION:

Tax Lot(s):	64
Tax Block:	4671
Borough Code:	BX
E-No:	E-279
Effective Date:	10/5/2011
Satisfaction Date:	Not reported
Ceqr Number:	11DCP148X
Ulurp Number:	110384ZMX

LOT 64,TAXBLOCK 4671 (Continued) **S111378117**

Zoning Map No: 1d 2a 2b

Description: Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date: Not reported

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

A4 **LOT 41,TAXBLOCK 4682** **E DESIGNATION** **S111378006**
South **3542 BRONXWOOD AVENUE** **N/A**
< 1/8 **BRONX, NY 10469**
0.029 mi.
155 ft. **Site 4 of 6 in cluster A**

Relative:
Lower

Actual:
102 ft.

E DESIGNATION:
Tax Lot(s): 41
Tax Block: 4682
Borough Code: BX
E-No: E-279
Effective Date: 10/5/2011
Satisfaction Date: Not reported
Ceqr Number: 11DCP148X
Ulurp Number: 110384ZMX
Zoning Map No: 1d 2a 2b

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

A5 **LOT 39,TAXBLOCK 4682** **E DESIGNATION** **S111377995**
South **3540 BRONXWOOD AVENUE** **N/A**
< 1/8 **BRONX, NY 10469**
0.032 mi.
170 ft. **Site 5 of 6 in cluster A**

Relative:
Lower

Actual:
102 ft.

E DESIGNATION:
Tax Lot(s): 39
Tax Block: 4682
Borough Code: BX
E-No: E-279
Effective Date: 10/5/2011
Satisfaction Date: Not reported
Ceqr Number: 11DCP148X
Ulurp Number: 110384ZMX
Zoning Map No: 1d 2a 2b

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

A6 **SURREY COOP APTS.** **UST** **U000409060**
WSW **836 TILDEN STREET** **N/A**
< 1/8 **BRONX, NY 10467**
0.034 mi.
178 ft. **Site 6 of 6 in cluster A**

Relative:
Lower

Actual:
93 ft.

UST:

Id/Status:	2-349976 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	05/19/2018
UTM X:	595991.15196000005
UTM Y:	4525714.0861499999
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	17250
Affiliation Type:	Facility Owner
Company Name:	SURREY COOPERATIVE APARTMENTS, INC.
Contact Type:	MANAGING AGENT
Contact Name:	MARK A. SAMUEL
Address1:	836 TILDEN STREET
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10467
Country Code:	001
Phone:	(718) 652-3023
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	5/28/2013

Site Id:	17250
Affiliation Type:	Mail Contact
Company Name:	SAMUEL REALTY, LLC
Contact Type:	Not reported
Contact Name:	AHIJAH MITCHELL
Address1:	2610 FREDERICK DOUGLASS BLVD.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10030
Country Code:	001
Phone:	(212) 690-7000
EMail:	EARLENE@SAMUELREALTY.COM
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	5/28/2013

Site Id:	17250
Affiliation Type:	On-Site Operator
Company Name:	SURREY COOP APTS.
Contact Type:	Not reported
Contact Name:	CONRAD GRANT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY

SURREY COOP APTS. (Continued) **U000409060**

Zip Code: Not reported
Country Code: 001
Phone: (718) 652-3023
EMail: Not reported
Fax Number: Not reported
Modified By: bkfalvey
Date Last Modified: 4/24/2008

Site Id: 17250
Affiliation Type: Emergency Contact
Company Name: SURREY COOPERATIVE APARTMENTS, INC.
Contact Type: Not reported
Contact Name: CONRAD GRANT
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 652-0910
EMail: Not reported
Fax Number: Not reported
Modified By: DMMOLOUG
Date Last Modified: 5/28/2013

Tank Info:

Tank Number: 001
Tank ID: 33679
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 25000
Install Date: 12/01/1961
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DMMOLOUG
Last Modified: 05/28/2013

Equipment Records:

D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
B05 - Tank External Protection - Jacketed

SURREY COOP APTS. (Continued) **U000409060**

H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
E07 - Piping Secondary Containment - Trench Liner

B7
WSW
< 1/8
0.035 mi.
187 ft.

LOT 9,TAXBLOCK 4671
835 TILDEN STREET
BRONX, NY

E DESIGNATION **S111378171**
N/A

Site 1 of 10 in cluster B

Relative:
Lower

Actual:
92 ft.

E DESIGNATION:

Tax Lot(s):	9
Tax Block:	4671
Borough Code:	Not reported
E-No:	E-279
Effective Date:	10/5/2011
Satisfaction Date:	Not reported
Ceqr Number:	11DCP148X
Ulurp Number:	110384ZMX
Zoning Map No:	1d 2a 2b
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

8
North
< 1/8
0.037 mi.
196 ft.

LOT 67,TAXBLOCK 4671
862 EAST 213 STREET
BRONX, NY 10467

E DESIGNATION **S111378125**
N/A

Relative:
Higher

Actual:
110 ft.

E DESIGNATION:

Tax Lot(s):	67
Tax Block:	4671
Borough Code:	BX
E-No:	E-279
Effective Date:	10/5/2011
Satisfaction Date:	Not reported
Ceqr Number:	11DCP148X
Ulurp Number:	110384ZMX
Zoning Map No:	1d 2a 2b
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

B9 **LOT 10,TAXBLOCK 4671** **E DESIGNATION** **S111377826**
WSW **831 TILDEN STREET** **N/A**
< 1/8 **BRONX, NY**
0.039 mi.
207 ft. **Site 2 of 10 in cluster B**

Relative:
Lower

Actual:
92 ft.

E DESIGNATION:

Tax Lot(s):	10
Tax Block:	4671
Borough Code:	Not reported
E-No:	E-279
Effective Date:	10/5/2011
Satisfaction Date:	Not reported
Ceqr Number:	11DCP148X
Ulurp Number:	110384ZMX
Zoning Map No:	1d 2a 2b
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

C10 **LOT 32,TAXBLOCK 4684** **E DESIGNATION** **S111377944**
NE **3600 BRONXWOOD AVENUE** **N/A**
< 1/8 **BRONX, NY**
0.045 mi.
238 ft. **Site 1 of 3 in cluster C**

Relative:
Higher

Actual:
121 ft.

E DESIGNATION:

Tax Lot(s):	32
Tax Block:	4684
Borough Code:	Not reported
E-No:	E-279
Effective Date:	10/5/2011
Satisfaction Date:	Not reported
Ceqr Number:	11DCP148X
Ulurp Number:	110384ZMX
Zoning Map No:	1d 2a 2b
Description:	Air Quality - #2 Fuel Oil or Natural Gas for heating, ventilating and air conditioning systems
Lot Remediation Date:	Not reported
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported

B11 **VS2579** **NY Spills** **S104654037**
WSW **801 TILDEN AV** **N/A**
< 1/8 **BRONX, NY**
0.068 mi.
357 ft. **Site 3 of 10 in cluster B**

Relative:
Lower

Actual:
92 ft.

SPILLS:

Facility ID:	1403898
Facility Type:	ER
DER Facility ID:	416945
Site ID:	497270

VS2579 (Continued) **S104654037**

DEC Region:	2
Spill Date:	7/10/2014
Spill Number/Closed Date:	1403898 / 9/26/2014
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	vszhune
Referred To:	Not reported
Reported to Dept:	7/10/2014
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/10/2014
Spill Record Last Update:	9/26/2014
Spiller Name:	Not reported
Spiller Company:	BUILDING OWNER
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	PETE MIRABILE
Contact Phone:	(718) 678-0148
DEC Memo:	7/16/14-Zhune spoke to Pete Mirabile from Riteway 718- 855-7272. He said the tank overfilled. Approximatrely 20 gallons of fuel oil #6 came by the sticker line and it went to the soil in the back yard. Riteway removed the soil contaminated and collected endpoint samples. They are waiting for the results. 8/1/14- David Chan sent the following email.Riteway is currently still working there. We just resolved an issue with the company and work has resumed. We've excavated and drummed up 25 drums of impacted material so far. Samples were obtained and PIDed, but still was positive for contamination. We are continuing digging.9/26/14- David Chan emailed the report, dated 9/25/14Riteway Tank Maintenance Corp. was contracted to investigate a discharge at the above referenced location. Upon arrival, Riteway discovered that discharge occurred due to overfill. Riteway proceeded to excavate in the inmediate area of the contamination discharge at the stick well. During the excavation, the soil was continuosly screened via PID. All contaminated soil was remediated until clean soil was reached. A total of 41 drums of impacted soil was remediated and disposed of in legal manner. Five (5) endpoint samples were retrived from the excavation, placed into approved jars onsite and sent to a certified lab via chain of custody for analysis. The soil analytical results for the 5 endpoint samples indicated detection of VOCs and SVOCs but below the acceptable limit.The area was thoroughly cleaned and free from contamination. The area was backfilled and re-seeded to grade. Spill Closed.
Remarks:	Caller advised overfill by employee due to bad gauge. Clean up is in process.

VS2579 (Continued) **S104654037**

Material:

Site ID:	497270
Operable Unit ID:	1246738
Operable Unit:	01
Material ID:	2247929
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0003731
Facility Type:	ER
DER Facility ID:	259293
Site ID:	321876
DEC Region:	2
Spill Date:	6/27/2000
Spill Number/Closed Date:	0003731 / 4/9/2004
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	6/27/2000
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/27/2000
Spill Record Last Update:	4/9/2004
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 132050:Transformer leaked approx. 20 GAL of dielectric oil. He can not see where it's leaking. Plate 34 S was checked and it shows no sump or sewer connection. There is no water mixed with the oil. A sample has been taken. Reviewed historical data

VS2579 (Continued) **S104654037**

results from 11/9/98 indicates 5 PPM.1500 hrs. Report recived from Supervisor C. D'alisera - a tanker removed 175 gallons of oil...there was no name plate to verify quanity...Job is partially cleaned...Transformer will be removed Wed 6/28...Flush will return to clean structure and ajacent Manhole.Lab Sequence Number: 00-06206 PCB 9 ppm6/28/00 Operating supervisor C. D'Alisera reporta that the clean up in transformer vault 2579 is complete. The defective transformer was removed, Corporate tanker removed approx. 5 gallons of oil and approx. 200 gallon of water and wash water. 4 steel drums of solid waste was removed from the structure. Thetransformer vault was power washed. The sump was a concrete sump.

Remarks: CASE #132050 - CLEANUP PENDING SAMPLE RESULTS AND MAKING THE VAULT SAFE

Material:

Site ID:	321876
Operable Unit ID:	826123
Operable Unit:	01
Material ID:	548483
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0003736
Facility Type:	ER
DER Facility ID:	259293
Site ID:	321877
DEC Region:	2
Spill Date:	6/27/2000
Spill Number/Closed Date:	0003736 / 4/9/2004
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	6/27/2000
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/27/2000

VS2579 (Continued) **S104654037**

Spill Record Last Update:	4/9/2004
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 132053:approx. 5 gals of oil in MH 28302. There is no water at all in the MH. The oil is soaked into the dirt. He can not see anystanding oil in this hole but he can smell oil. He is taking a dirt sample and he is hanging tag 24521. PlateS was checked and there is no sump or sewer connection.Lab Sequence Number: 00-06205 PCB 10 ppm1900 hrs. Operating supervisor C. D'Alisera reports that the clean up in manhole # 28302 could not be completed, due to oil seeping into the sump of the manhole there is a small amount in the bottom of the sump. Clean up will resume 6/29 to let oil migrate into the sump overnight.July 5, 2000Report received from Mechanic J. Henn, sump area where oil was previouly coming from has beem observed and no more oil is present...the sump has been sealed.
Remarks:	mixture of petroleum & dirt in bottom of manhole - pending test results - case #132053 - met the criterea for not calling

Material:

Site ID:	321877
Operable Unit ID:	826125
Operable Unit:	01
Material ID:	548488
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1114463
Facility Type:	ER
DER Facility ID:	416945
Site ID:	462522
DEC Region:	2
Spill Date:	3/29/2012
Spill Number/Closed Date:	1114463 / 5/10/2012
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	RMPIPER
Referred To:	Not reported
Reported to Dept:	3/29/2012
CID:	Not reported

VS2579 (Continued) **S104654037**

Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/29/2012
Spill Record Last Update:	5/10/2012
Spiller Name:	DAVID GOODMAN
Spiller Company:	TUDOR REALTY
Spiller Address:	801 TILDEN ST
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	999
Contact Name:	DAVID GOODMAN
Contact Phone:	212557-3600
DEC Memo:	DEC Piper received and reviewed SIR. Based on findings no further action is granted. Closed. see edocs if warranted.
Remarks:	during phase 1 excessing was noticed from the vent pipe @ northwestern corner of bld

Material:

Site ID:	462522
Operable Unit ID:	1212605
Operable Unit:	01
Material ID:	2210483
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

B12 **CONSOLIDATED EDISON** **MANIFEST** **1009239137**
WSW **MH28203-801 TILDEN AVE** **N/A**
< 1/8 **BRONX, NY**
0.068 mi.
357 ft. **Site 4 of 10 in cluster B**

Relative:
Lower

Actual:
92 ft.

NY MANIFEST:

EPA ID:	NYP004057725
Country:	USA
Location Address 1:	MH28203-801 TILDEN AVE
Location Address 2:	Not reported
Location City:	BRONX
Location State:	NY
Location Zip Code:	Not reported
Location Zip Code 4:	Not reported

Mailing Info:

CONSOLIDATED EDISON (Continued) **1009239137**

Name: CONSOLIDATED EDISON
Contact: FRANKLIN MURRAY
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: NYE0757053
Manifest Status: Not reported
Trans1 State ID: 28190AU
Trans2 State ID: Not reported
Generator Ship Date: 06/27/2000
Trans1 Recv Date: 06/27/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/28/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004057725
Trans1 EPA ID: NYD006982359
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00364
Units: K - Kilograms (2.2 pounds)
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 2000

Document ID: NYE0668313
Manifest Status: Not reported
Trans1 State ID: SM1709
Trans2 State ID: Not reported
Generator Ship Date: 06/27/2000
Trans1 Recv Date: 06/27/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/28/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004057725
Trans1 EPA ID: NYD006982359
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity: 00221
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2000

CONSOLIDATED EDISON (Continued) **1009239137**

Document ID:	NYE0481563
Manifest Status:	Not reported
Trans1 State ID:	74791AV
Trans2 State ID:	Not reported
Generator Ship Date:	06/29/2000
Trans1 Recv Date:	06/29/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/05/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004057725
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00025
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

B13 **TILDEN TOWERS HSG CO SECT 2** **UST** **U001832914**
WSW **801 TILDEN ST** **HIST UST** **N/A**
< 1/8 **BRONX, NY 10467**
0.068 mi.
357 ft. **Site 5 of 10 in cluster B**

Relative:
Lower

Actual:
92 ft.

UST:

Id/Status:	2-188336 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	06/05/2017
UTM X:	595932.34172999999
UTM Y:	4525713.3206099998
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	5692
Affiliation Type:	Facility Owner
Company Name:	TILDEN TOWERS HSG CO SECT 2
Contact Type:	MANAGING DIRECTOR
Contact Name:	ANTHONY COLELLA
Address1:	801 TILDEN ST
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10467
Country Code:	001
Phone:	(718) 881-0782
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/24/2012

Site Id:	5692

TILDEN TOWERS HSG CO SECT 2 (Continued) **U001832914**

Affiliation Type:	Mail Contact
Company Name:	TILDEN TOWERS HSG CO SECT 2
Contact Type:	Not reported
Contact Name:	ANTHONY COLELLA
Address1:	C/O TUDOR REALTY SERVICES CORP
Address2:	250 PARK AVE. 4TH FLOOR
City:	BRONX
State:	NY
Zip Code:	10003
Country Code:	001
Phone:	(212) 557-3600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/24/2012

Site Id:	5692
Affiliation Type:	On-Site Operator
Company Name:	TILDEN TOWERS HSG CO SECT 2
Contact Type:	Not reported
Contact Name:	EDWARD JOHNSON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 881-0782
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	5692
Affiliation Type:	Emergency Contact
Company Name:	TILDEN TOWERS HSG CO SECT 2
Contact Type:	Not reported
Contact Name:	ETC MANAGEMENT INC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 727-0700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	3/12/2007

Tank Info:

Tank Number:	001
Tank ID:	5790
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	25000

TILDEN TOWERS HSG CO SECT 2 (Continued) **U001832914**

Install Date:	01/01/1965
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DXLIVING
Last Modified:	03/12/2007

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A01 - Tank Internal Protection - Epoxy Liner
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

HIST UST:

PBS Number:	2-188336
SPDES Number:	Not reported
Emergency Contact:	ASK MANAGEMENT INC
Emergency Telephone:	(212) 691-0180
Operator:	EDWARD JOHNSON
Operator Telephone:	(212) 881-0182
Owner Name:	TILDEN TOWERS HSG CO SECT 2
Owner Address:	801 TILDEN ST
Owner City,St,Zip:	BRONX, NY 10467
Owner Telephone:	(212) 691-0800
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	TILDEN TOWERS HSG CO SECT 2
Mailing Address:	C/O ASL MGMT INC
Mailing Address 2:	61 WEST 23RD ST
Mailing City,St,Zip:	NEW YORK, NY 10010
Mailing Contact:	EDMUND T. COVIELLO
Mailing Telephone:	(212) 691-0800
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	801 TILDEN ST
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	APARTMENT BUILDING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False

TILDEN TOWERS HSG CO SECT 2 (Continued) **U001832914**

Certification Date:	08/25/1997
Expiration Date:	06/05/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	25000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	25000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	12/27/1987
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

B14 **CONSOLIDATED EDISON** **MANIFEST** **1009239136**
WSW **V2379-801 TILDEN ST** **N/A**
< 1/8 **BRONX, NY**
0.068 mi.
357 ft. **Site 6 of 10 in cluster B**

Relative:
Lower

Actual:
92 ft.

NY MANIFEST:

EPA ID:	NYP004057717
Country:	USA
Location Address 1:	V2379-801 TILDEN ST
Location Address 2:	Not reported
Location City:	BRONX
Location State:	NY
Location Zip Code:	Not reported
Location Zip Code 4:	Not reported

CONSOLIDATED EDISON (Continued) **1009239136**

Mailing Info:

Name:	CONSOLIDATED EDISON
Contact:	FRANKLIN MURRAY
Address:	4 IRVING PLACE RM 828
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-2808

Manifest:

Document ID:	NYE0670689
Manifest Status:	Not reported
Trans1 State ID:	SM1709
Trans2 State ID:	Not reported
Generator Ship Date:	06/27/2000
Trans1 Recv Date:	06/27/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/28/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004057717
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	00442
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

B15 **TILDEN TOWERS HOUSING CO.,INC.** **UST** **U004148273**
West **3511 BARNES AVE** **N/A**
< 1/8 **BRONX, NY 10467**
0.070 mi.
367 ft. **Site 7 of 10 in cluster B**

Relative:
Lower

Actual:
92 ft.

UST:

Id/Status:	2-404160 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	02/03/2013
UTM X:	595927.73299000005
UTM Y:	4525743.6926899999
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	19430
Affiliation Type:	Facility Owner
Company Name:	TILDEN TOWERS HOUSING CO.,INC.
Contact Type:	PROPERTY MANAGER
Contact Name:	WILLIAM RODRIGUEZ
Address1:	3511 BARNES AVE
Address2:	Not reported

TILDEN TOWERS HOUSING CO.,INC. (Continued) **U004148273**

City:	BRONX
State:	NY
Zip Code:	10467
Country Code:	001
Phone:	(718) 881-9491
EMail:	Not reported
Fax Number:	Not reported
Modified By:	kxtang
Date Last Modified:	6/9/2004

Site Id:	19430
Affiliation Type:	Mail Contact
Company Name:	ANKER MANAGEMENT CORP.
Contact Type:	Not reported
Contact Name:	WILLIAM RODRIGUEZ
Address1:	200 N CENTRAL AVE
Address2:	SUITE 340
City:	HARTSDALE
State:	NY
Zip Code:	10530
Country Code:	001
Phone:	(914) 347-0300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	12/31/2009

Site Id:	19430
Affiliation Type:	On-Site Operator
Company Name:	TILDEN TOWERS HOUSING CO.,INC.
Contact Type:	Not reported
Contact Name:	DWANE MILLER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 881-9491
EMail:	Not reported
Fax Number:	Not reported
Modified By:	kxtang
Date Last Modified:	6/9/2004

Site Id:	19430
Affiliation Type:	Emergency Contact
Company Name:	TILDEN TOWERS HOUSING CO.,INC.
Contact Type:	Not reported
Contact Name:	DWANE MILLER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 528-8292
EMail:	Not reported

TILDEN TOWERS HOUSING CO.,INC. (Continued) **U004148273**

Fax Number:	Not reported
Modified By:	kxtang
Date Last Modified:	6/9/2004

Tank Info:

Tank Number:	003
Tank ID:	232270
Tank Status:	Temporarily Out of Service
Material Name:	Temporarily Out of Service
Capacity Gallons:	15000
Install Date:	10/06/1966
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MSBAPTIS
Last Modified:	12/31/2009

Equipment Records:

G05 - Tank Secondary Containment - Synthetic Liner
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
H05 - Tank Leak Detection - In-Tank System (ATG)
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
C03 - Pipe Location - Aboveground/Underground Combination

B16 **TILDEN TOWERS HOUSING CO.,INC.** **AST** **U003391681**
West **3511 BARNES AVE** **N/A**
< 1/8 **BRONX, NY 10467**
0.070 mi.
367 ft. **Site 8 of 10 in cluster B**

Relative:
Lower

Actual:
92 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-404160
Program Type:	PBS
UTM X:	595927.73299000005
UTM Y:	4525743.6926899999
Expiration Date:	02/03/2013
Site Type:	Apartment Building/Office Building

TILDEN TOWERS HOUSING CO.,INC. (Continued) **U003391681**

Affiliation Records:

Site Id:	19430
Affiliation Type:	Facility Owner
Company Name:	TILDEN TOWERS HOUSING CO.,INC.
Contact Type:	PROPERTY MANAGER
Contact Name:	WILLIAM RODRIGUEZ
Address1:	3511 BARNES AVE
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10467
Country Code:	001
Phone:	(718) 881-9491
EMail:	Not reported
Fax Number:	Not reported
Modified By:	kxtang
Date Last Modified:	6/9/2004

Site Id:	19430
Affiliation Type:	Mail Contact
Company Name:	ANKER MANAGEMENT CORP.
Contact Type:	Not reported
Contact Name:	WILLIAM RODRIGUEZ
Address1:	200 N CENTRAL AVE
Address2:	SUITE 340
City:	HARTSDALE
State:	NY
Zip Code:	10530
Country Code:	001
Phone:	(914) 347-0300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	12/31/2009

Site Id:	19430
Affiliation Type:	On-Site Operator
Company Name:	TILDEN TOWERS HOUSING CO.,INC.
Contact Type:	Not reported
Contact Name:	DWANE MILLER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 881-9491
EMail:	Not reported
Fax Number:	Not reported
Modified By:	kxtang
Date Last Modified:	6/9/2004

Site Id:	19430
Affiliation Type:	Emergency Contact
Company Name:	TILDEN TOWERS HOUSING CO.,INC.
Contact Type:	Not reported
Contact Name:	DWANE MILLER

TILDEN TOWERS HOUSING CO.,INC. (Continued) **U003391681**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 528-8292
EMail:	Not reported
Fax Number:	Not reported
Modified By:	kxtang
Date Last Modified:	6/9/2004

Tank Info:

Tank Number:	001
Tank Id:	22052
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
G05 - Tank Secondary Containment - Synthetic Liner
B01 - Tank External Protection - Painted/Asphalt Coating
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
G02 - Tank Secondary Containment - Vault (w/access)
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
C03 - Pipe Location - Aboveground/Underground Combination
F01 - Pipe External Protection - Painted/Asphalt Coating

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	05/01/1967
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	kxtang
Last Modified:	06/09/2004
Material Name:	#6 Fuel Oil (On-Site Consumption)

Tank Number:	002
Tank Id:	179075
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

K01 - Spill Prevention - Catch Basin
I04 - Overfill - Product Level Gauge (A/G)

TILDEN TOWERS HOUSING CO.,INC. (Continued) **U003391681**

B01 - Tank External Protection - Painted/Asphalt Coating
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
F06 - Pipe External Protection - Wrapped
G02 - Tank Secondary Containment - Vault (w/access)
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
H05 - Tank Leak Detection - In-Tank System (ATG)
E02 - Piping Secondary Containment - Vault (with Access)
F01 - Pipe External Protection - Painted/Asphalt Coating
C03 - Pipe Location - Aboveground/Underground Combination

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/20/1997
Capacity Gallons:	9000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	12/31/2009
Material Name:	#6 Fuel Oil (On-Site Consumption)

B17 **TILDEN TOWERS NO. 1** **NY Spills** **S102399577**
West **3511 BARNES AVENUE** **N/A**
< 1/8 **BRONX, NY 10467**
0.070 mi.
367 ft. **Site 9 of 10 in cluster B**

Relative:
Lower

Actual:
92 ft.

SPILLS:

Facility ID:	9607944
Facility Type:	ER
DER Facility ID:	205936
Site ID:	251265
DEC Region:	2
Spill Date:	9/24/1996
Spill Number/Closed Date:	9607944 / Not Reported
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	JKKANN
Referred To:	FIELD WORK 4/2015
Reported to Dept:	9/25/1996
CID:	297
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	4

TILDEN TOWERS NO. 1 (Continued) **S102399577**

Date Entered In Computer:	9/25/1996
Spill Record Last Update:	3/24/2015
Spiller Name:	WILLIAM RODRIGUEZ
Spiller Company:	TILDEN TOWERS NO. 1
Spiller Address:	3511 BARNES AVENUE
Spiller City,St,Zip:	BRONX, NY 10467
Spiller Company:	999
Contact Name:	WILLIAM RODRIGUEZ
Contact Phone:	(914) 761-7300
DEC Memo:	4/15/10 - Raphael Ketani. Tim of Dorson Environmental (914) 592-3117 called to inquire about the spill case. He said that the case was still open. I looked in the UIS and found out that the case had been closed on 3/17/03. I told him this. I also looked for other open and closed spill cases for this location, but didn't find anything. I told him that there were no other open or closed cases, and that there were no database notes, nor any e-docs, other than the original spill report for when the case was opened.Rich Doran of Dorson Environmental called a few minutes later. He said that he was involved in the remediation of spill #9607944. He said that the tank is about 20 feet above and outside the boiler room. The #6 oil had seeped into the soil, then into the groundwater, and then through the boiler room wall. He added that the oil was collected with a passive recovery system and the tank was emptied. Right now, Mr. Doran said, he is involved with the NYC HPD regarding remediating the site. The project involves removing the tank and digging out all of the contaminated soil. However, there are structural and money issues. He believes the HPD will not continue the project if it will be $500,000 or more. Also, he is not sure the soil can be dug out without jeoperdizing the building's foundation. I told him that the money issue is not DEC's concern, but the structural issue is. I added that the DEC does not require remediation (i.e. digging out the soil) to the point of risking the safety of people or the building. I told him that he has to get a structural engineer to look over the situation and make a written determination regarding how far the remediation project can go. I told him he has to decide whether the tank can safely be removed and whether the contaminated soil can be safely removed. Then the engineer has to send DEC a letter describing the structural situation and make his recommendation. Mr. Doran said that the plan is to clean out the water and sludge in the tank, remove the tank, and remove as much soil as possible. I told him that the DEC will need a report with pictures and diagrams and a good narative describing the remediation. I asked him whether he had called in the spill. He said he hadn't. I told him to do so and to register the tank as closed in place. He said that he will.9/28/11 - Raphael Ketani. Bruce Stetson of Dorson Environmental (45 Knollwood Road, Elmsford, NY, 10523 (914) 592-3117) called. He said that he had been trying to get the NYC HPD to cooperate in addressing the soil contamination at the site since 1996. He said that the contamination was from a leaking 15,000 gal. UST (PBS #2-404160, tank #003 with #6 oil, temporarily out of service). I asked him how he knew that the tank was leaking. He said that Dorson originally found contamination in 1996. I told him that I did see the one document in the e-docs, but that's all. He said that he sent the HPD a proposal two years ago, but has heard nothing. He added that his contact at Anker Management Corp. (200 North Central Avenue, Ste 340, Hartsdale, NY, 10530) was William Rodriguez (914) 288-0200 ext 848. He said that Mr. Rodriguez was willing to cooperate, but his hands are tied as the HPD

TILDEN TOWERS NO. 1 (Continued) **S102399577**

doesn't want to do anything. Mr. Stetson asked whether the DEC can let the HPD know that they still have an active spill and that they have to address the spill. I told him that since a CSL was never sent, I can send one. He said that this might get the HPD moving. With that, the conversation ended.10/3/11 - Raphael Ketani. I spoke to William Rodriguez (914) 288-0200 ext 848. He said that the subject 15,000 gal. tank is under the playground area behind the building. There is a retaining wall for the parking lot that is adjacent to the tank. The wall kept the #6 oil from spreading and so, he said, there shouldn't be widespread contamination. He added that he was not sure that there was any contamination at all, but they will see once the tank is removed. Mr. Rodriguez stated that the building is Tilden Towers #1, not #2. The building is a private co-op that gets state and local funding for maintenance. Tilden Towers #2 is a separately owned co-op. He also stated that it looked like they were very close to getting funding for the tank removal and possible remediation, but he couldn't tell how soon the work would start. His contact at HPD is Mr. Siri Rahgonath (ra-go-nat), the site representative, at (212) 863-7120. I tried contacting Mr. Rahgonath, but I could only leave a message regarding the funding. I contacted Mr. Stetson (914) 592-3117 regarding my conversation with Mr. Rodriguez. He said that Mr. Rodriguez has been telling him that funding was coming soon for many years. He added that there is lots of contamination and that it has been spreading throughout the community because Tilden Towers is not doing anything about it. I mentioned that Mr. Rodriguez had told me that the tank was cleaned out. Mr. Stetson said that it was never cleaned out and that the tank is continuing to leak. He said that after so many years had passed, the oil could now be all over the neighborhood. He added that it's just a matter of time until this "hits the papers." I told Mr. Stetson that I had been trying to get ahold of Mr. Rahgonath regarding the site, but that I could only leave a message. Mr. Stetson said that I should send the CSL anyway. I told him that I needed to send the CSL to someone in HPD who has the authority to speed up the delivery of the funding to Tilden Towers. Otherwise, my sending the letter to Mr. Rodriguez wont make a difference. Mr. Stetson said to send the letter to Mr. Rodriguez and he will forward it to Mr. Rahgonath. He stated that he has been through this process with City agencies before and it is always a big bureaucracy. I told him, again, that I needed someone above Mr. Rahgonath. Mr. Stetson said that he will look into the Dorson records and see who had been the person at HPD who had signed off on the letters to Dorson. He will get back to me.Next, I contacted the housing maintenance office of HPD and eventually was directed to June Felix, Director of Property Management for Mitchell-Lama co-ops (212) 863-7534 (100 Gold Street, rm. 7M6, NY, 10038).I spoke to Ms. Felix. She explained that HPD 8A loan money was given to Tilden Towers No. 1 two years ago. Dorson Environmental was contacted at that time by the co-op to do the consulting work, but not the actual tank removal and dig out. However, they wanted to do both. Dorson signed a contract with the prevailing wage for doing just the consulting. Now, Dorson is refusing to do the consulting work at the previously contracted prevailing wage from two years ago. They want to get paid at the present prevailing wage. Though, the board of Tilden Towers No. 1 doesn't want to do that. So, a stalemate has existed for two years. Ms. Felix said that the HPD technical unit representative has spoken to Dorson and has explained that they are locked into the contract. Ms. Felix said that I should send the CSL to the current co-op board

TILDEN TOWERS NO. 1 (Continued) **S102399577**

president, Olia Barrett, with C-Cs to her (Ms. Felix), and Mr. Rodriguez. I told her that I will do this.Mr. Stetson called me back. He said that Gary Sloman, Director of Operations for the NYC HPD (100 Gold Street) should be added to the list of C-Cs as he had signed the letters to Dorson. I also included Mr. Stetson as one of the C-Cs. A STIP package was sent out instead of a CSL. The deadline for the return of the signed STIP was set as October 31, 2011.As contamination is depicted on the drawing attached to the September 1996 spill report, and as the concentrations appear to exceed the environmental standards, and as there is no information that the spill was remediated, the spill case has been reopened effective 10/03/11.10/7/11 - Raphael Ketani. Mr. Stetson (914) 592-3117 called to say that he had received the STIP package. He added that a meeting was recently held with all of the concerned parties. I asked him whether a work plan was forthcoming. He said that Tilden Towers hadn't retained Dorson yet. Mr. Stetson said that he hoped to send the DEC a work plan during October. 10/12/11 - Raphael Ketani. Today I received the green return card from Olia Barrett. It was signed by Ms. Barrett.10/18/11 - Raphael Ketani. Mr. Stetson (914) 592-3117 called to say that an inspector from HPD met with Mr. Rodriguez (914) 288-0200 ext 848 very recently and inquired regarding what the situation was at Tilden Towers No. 1 and why no work was taking place. As a result of this meeting, Mr. Stetson said, Dorson Environmental will be authorized to start the work.10/26/11 - Raphael Ketani. Mr. Stetson called today. He asked whether Tilden Towers No. 1 still had to sign the STIP. I told him that they had to. Then he asked whether the deadline of October 31, 2011 for the DEC to receive the signed STIP was still in effect. I told him that it was. Mr. Stetson said that he will let Mr. Rodriguez know that the STIP still needs to be signed and returned by the deadline. He said that Dorson Environmental is still retained by Tilden, but Tilden has not signed any of the contracts.10/28/11 - Raphael Ketani. Today I received a FAXed copy of the STIP that was signed by Mr. Rodriguez. I called up Dorson and asked for Mr. Stetson, but he had left for the day. Instead, I spoke to the assistant at Dorson, Gina Laudisio. I told her that the DEC needed the STIP with the original signatures. She said that she will ask Mr. Rodriguez whether he mailed the original. If he didn't then she will go to Tilden because they are nearby, pickup the original STIP and overnight it to the DEC. I told her that will be fine.10/31/11 - Raphael Ketani. I spoke to Ms. Laudisio (914) 592-3117 as Mr. Stetson was out until this thursday. I told her that he had left a message that he had the original signed STIP. I asked her to look on his desk and to send me the original STIP. She said that she didn't think that he had the original, but she will look and send it to me. 11/2/11 - Raphael Ketani. Today I received the original signed STIP with Mr. Rodriguez' signature. It was forwarded to Venetia Lannon, Director of Region 2, for her signature.11/9/11 - Raphael Ketani. Today I received the executed STIP which was signed by Venetia Lannon, Region 2 Director, on 11/4/11. I sent copies of the executed STIP to Ms. Barnett and to Mr. Rodriguez by regular mail. The RIWP is due to the Department by December 5, 2011.11/16/11 - Raphael Ketani. I finished my review of the the Dorson Environmental 11/14/11 Remedial Investigation Work Plan. I sent an e-mail to Mr. McClintock of Dorson approving the work plan with the following comments:1) if a boring does not show soil contamination, then a soil sample must be taken just above the water table2) all soil and groundwater samples must be processed via methods 8260 and

TILDEN TOWERS NO. 1 (Continued) **S102399577**

82703) at least 3 groundwater monitoring wells must be installed (whether in soil or in bedrock) in order to determine groundwater flow direction4) if oil is found on the water table, then weekly gauging and collection events must begin immediately. Monthly groundwater and oil collection reports must be submitted to staff at the Department in the event that free product is discovered on the water table5) groundwater samples should not be collected from wells which have free product12/27/11 - Raphael Ketani. I received the Dorson Environmental 12/22/11 Spill Remediation Investigation Report. I reviewed the report. The site investigation took place during 11/28/11 and 11/29/11. Fourteen borings were performed. Six borings (1 to 3, 6, 7, 11) had contamination. Five borings had slight odors, but no visual signs of contamination (4,5, 8 to 10). Three borings had no signs of contamination (12 to 14). Groundwater was found at 15 feet below grade. Two temporary wells were installed, MW-2 and MW-6. MW-2 had free product and MW-6 had globules of oil. The soil sample from boring #3 was wet with black oil.All of the soil samples were non-detect for VOCs, except those from #3 and #6. However, the results were below CP-51 standards. SVOC hits were present in almost all of the soil samples. However, the results were below the CP-51 standards, except for those from 3 samples. These samples each had a few hits that were just above the standards.I approved the SRIR. I told them that the Department did not require soil removal or tank removal, but that additional wells should be installed and that product collection must take place weekly. I added that the RAWP must have a task work schedule. I sent an e-mail to Dorson indicating that they had until February 24, 2012 to submit a RAWP.1/6/12 - Raphael Ketani. I spoke to Mr. Stetson (914) 592-3117 today regarding the site and the work that needs to take place. He said that he felt the tank needed to come out in order to properly remediate the spill. He said that he would also take out the affected soil. I asked him whether this was appropriate to do as the tank was not far from the building's foundation. He said that it could be done safely. I told him to go ahead and do this, but that he should have a structural engineer present to monitor the tank removal and digging. Mr. Stetson also stated that the NYC HPD was not giving Tilden Towers No. 1 any more money to do the remediation work [Gary Sloman, Director of Operations, NYC HPD for Mitchell-Lama co-ops (212) 863-7534 (100 Gold Street, rm. 7M6, NY, 10038)]. I told him that I will write a letter to the HPD asking them to keep funding the project. 1/11/12 - Raphael Ketani. Timothy McClintock of Dorson sent me a letter dated 1/6/12 in which he responded to the DEC's review and comments regarding the 12/22/11 SRIR. I reviewed the letter. The letter included a work plan to remove the tank, remove the contaminated soil under the supervision of a structural engineer, take end point samples and then install large diameter product collection wells. The letter with the work plan was found to be acceptable. I sent a letter to Ms. Olia Barrett(Board President), Mr. Rodriguez (management company representative), Ms. Felix (HPD Director of Property Management), Mr. Sloman (HPD Director of Operations) and Mr. McClintock (Dorson). The letter stated that the DEC approved the plan with the following comments:1) a survey must be performed to locate all utilities2) the structural engineer must be present at all times during the removal process3) end points must be taken in the sidewalls and the bottom of the excavation4) product collection must take place on a weekly basis5) the groundwater flow direction must be determined6) a work schedule must be sent to the DEC in a separate letter regarding how

TILDEN TOWERS NO. 1 (Continued) **S102399577**

long it will take to perform each task and in what succession.3/23/12 - Raphael Ketani. Ms. Felix (212) 863-7534/e-mail felixj@hpd.nyc.com called me today. She said that no work was taking place because Dorson had submitted a proposal with a lot of change orders. She wasn't sure that all of the work was necessary. She also said that she was aware that there was a STIP in place. I told Ms. Felix that the Corrective Action Plan of the STIP has a set schedule regarding when documents are to be submitted to the DEC and for when work is to take place. I added that any requests for changes in the schedule should be submitted in writing to the DEC and then we will review the request. Ms. Felix said that she understood this requirement. Ms. Felix said that Tilden was thinking of changing contractors as Dorson's prices were very high. I told Ms. Felix that it is within Tilden's right to change contractors. However, a new contractor will want to install their own borings. So this will cost more money and wont move the project forward. I also stated that, from reviewing the Dorson December 2011 report, there is a lot of oil in the ground and on the groundwater and we don't know where it is going. I said that the groundwater flow has to be determined. So wells need to be put in. Ms. Felix seemed to understand. I mentioned that the DEC was concerned that progress has stopped. Ms. Felix asked for a copy of the December 2011 report. I e-mailed it to her. She will talk to Dorson and see whether she can reach a compromise price with them. 4/2/12 - Raphael Ketani. Mr. Stetson (914) 592-3117 called me today. He asked whether anyone from HPD had contacted the DEC regarding the project. I told him that I had spoken to Ms. Felix. He asked what was discussed. I read him the 3/23/12 case notes. He said that HPD is stalling again and that the change orders Ms. Felix mentioned were the items that the DEC had requested be done. He said that Ms. Felix didn't realize that the work that has been done was only the beginning of the project. He felt that a letter needed to be sent to Tilden Towers in order to get things moving again. I told Mr. Stetson I will consider whether to send a letter.4/26/12 - Raphael Ketani. I spoke to Ms. Felix (212) 863-7534 regarding progress at the site. I told her that Tilden Towers No. 1 was in violation of the STIP. She said that Dorson Environmental was still the contractor for the project and that work will resume in one week. She asked for a deadline that would give her enough time to resume the work. I told her that the deadline will be set as May 14, 2012. She said that would be fine.I sent a draft letter to Hassan Hussein, EE III in DEC, for his review. The letter indicated that Tilden Towers No. 1 was in violation of the STIP and Section 192 of the Nav Law and that work must start by May 14. If the work doesn't start by the deadline, then the case will be referred to the Office of General Counsel. However, the letter also confirmed that staff from the Department had received reassurances from Ms. Felix that the work would resume in one week.4/27/12 - Raphael Ketani. Mr. Hussein approved the letter and it went out today.4/30/12 - Raphael Ketani. John Gearrity, Assistant Commissioner for Buildings and Apartments, of NYC HPD (212) 863-6539 called. He said that his team had been given the costs for doing the remediation work, but they seemed very high. He wanted to get at least two more bids for the work, rather than starting it immediately as the DEC had requested. He added his group and Ms. Felix's group hadn't agreed to move forward with this contractor. I told him that Ms. Felix had informed me during a conversation last week that the work will start within 1 week. He said he understood this. I added that the work should involve removing the failed tank, scooping out

TILDEN TOWERS NO. 1 (Continued) **S102399577**

all of the soil and installing monitoring wells for delineating the plume - as it has been 16 years since the leak was found. Mr. Gearrity said that he understood what the DEC wanted to be done and that he will have a meeting with Ms. Felix's group tomorrow. I told him to keep me informed. 5/4/12 - Raphael Ketani. Mr. Stetson sent me an e-mail containing a very informal letter that he had sent to Ms. Felix. In the letter, he stated that he had received the 4/27/12 DEC letter. He quoted from the letter that Ms. Felix had assurred the DEC that work would restart within one week. However, one week had already past and he hadn't heard anything from her. Mr. Stetson will keep me posted.5/15/12 - Raphael Ketani. Mr. Stetson called. He said that the information regarding the proposed remediation plan has been passed "up the line" at the HPD. He is waiting on word from them, but he doesn't expect an answer until possibly sometime next week.8/7/12 - Raphael Ketani. I spoke to Ms. Felix (212) 863-7534 regarding progress at the site. She said that the package of documents for the site were given to Mr. Gearrity, but she never heard anything more from him. She said that things were left with him.I tried to contact Mr. Gearrity (212) 863-6539, but I was told he was out and to send him an e-mail. I sent the e-mail asking him what the status of the project is and whether there is a problem. 8/22/12 - Raphael Ketani. Mr. Stetson (914) 592-3117 called. He said that HPD (Ms. Felix) was asking for a "fixed price not to exceed" contract from Dorson for doing the remediation. He asked me what the DEC wanted in the way of a remediation plan. I told him that the tank should be removed and disposed of, the contaminated soil should be disposed of, end point samples should be taken in the tank grave and wells should be installed upgradient at the tank location and downgradient on the other side of the building. I added that he will need to get a structural engineer on board to determine whether the tank and soil can be removed right next to the building foundation. I told Mr. Stetson that the DEC DOES NOT WANT material removal to take place that would jeoperdize the foundation. Mr. Stetson said that he understood. He added that he believed he now understood what he had to do for this project and he will put together a work plan with a cost limit for Ms. Felix.I spoke to Ms. Felix (212) 863-7534 regarding my conversation with Mr. Stetson. I told her that Mr. Stetson knows what the DEC wants and will put together a fixed price contract. Ms. Felix said that was good, but that I should let Mr. Gearrity know by e-mail. I told her that I will do this.Later, I sent Mr. Gearrity an e-mail with the above information. At the end of the day, Mr. Gearrity sent me the following e-mail:We performed a site visit recently to get the lay of the land. Based on a careful review of the investigation report, the tanks proximity to the existing building, the parking garage structure and a well established tree, the approach should be reconsidered/examined. Given the relatively few low level svoc exceedances in soil, I believe closing the tank in place and the investment in some steel and pvc gw monitoring wells plus topo gradient survey followed with some product recovery and possibly bio- treatment and gw monitoring is probably the most effective way to address this release. Would you be open to this approach, if so we will try and negotiate a proposal with dawson so we can accomplish something within our budgetary limits. 8/23/12 - Raphael Ketani. I responded to Mr. Gearrity's e-mail from yesterday: I understand what you are writing in your e-mail below and I believe that I also understand where the HPD is coming from. However, this oil spill had seeped into the basement of Tilden Towers #1 some years

TILDEN TOWERS NO. 1 (Continued) **S102399577**

back. This, and the presence of oil in a number of earlier installed wells, suggests that there may be a lot of oil around the outside of the tank and on the groundwater. That being said, the DEC is not concerned about removing trees, stairs, sewer pipes or whatever it takes to remediate a spill - provided it can be done safely. We would like to save all trees in the State, but this is an oil spill and the safety of the people in the building and the community is our top concern. Another one will simply need to be planted. Additionally, this spill consists of #6 oil. The usual chemical treatment methods have only limited effect on #6 oil. The best methodology for removing this contamination is excavation. If that means getting to the contaminated soil under the tank by removing most or all of the tank, then this will have to be done - and this is not an unusual practice when it comes to #6 oil. From the information in the case record, this is a significant spill and the contamination has been in the ground and on the water table for many years. Therefore, we believe that a plume has been established. This will need to be addressed and the total work package will need to include the installation of downgradient wells on the other side of the building and some means of product recovery. An attempt must be made to delineate all soil and groundwater contamination and to remediate the site before the DEC will say that the work has been completed to the extent feasible. 9/27/12 - Raphael Ketani. Mr. Rodriguez (914) 288-0200 ext 848 called me regarding the project. He said that the HPD found Dorson Environmental to be too expensive and so Dorson will not be the contractor any longer. He asked that the DEC allow more time for Tilden and the HPD to find another contractor. I told him that the project has been dragging on since 1996 and that this is way too long. I asked him why this investigation and cleanup had not proceeded further since that time. Mr. Rodriguez said that he didn't know. I asked Mr. Rodriguez what assurances the state had that another contractor will be found quickly and the project will move forward. Mr. Rodriguez said that the money is in place, but the HPD just has to approve the work plan and expenses. I told him that the DEC will give Tilden until November 2, 2012 to get a contractor hired or we will come in with our own. I told him that this was the final extension. Mr. Rodriguez said that he understood and thanked me.9/28/12 - Raphael Ketani. Mr. Gearrity sent me the following e-mail:Due to the change orders requested by the environmental contractor, which is 3 times the original bid and there is now way for us to move forward given the available funding. The owner now has to re-bid the job with the additional information, get proposals, then we have to go back to the City's Office of Management and Budget and then have a new loan closing. The commencement of work will therefore be delayed, and Dorson will not be performing the work. Given these circumstances, and the processes and timing involved in securing the approvals, we anticipate the work will not be able to commence until mid-2013. While we could have tried to re-bid with available funding based on our correspondence, it is not realistic and thus we are modifying the scope to ensure it can be executed and satisfy DEC.I responded to Mr. Gearrity's e-mail and stated that Tilden Towers No. 1 had until 11/2/12 to secure a contractor. The remediation of this project has been stalled for too long. If this doesn't take place, then the State will start a PIN case for the site, have its own contractor do the work and sue Tilden Towers No. 1 for reimbursement.10/16/12 - Raphael Ketani. Olia Barrett (718) 882-2351, president of the board of Tilden Towers No. 1, called. She

TILDEN TOWERS NO. 1 (Continued) **S102399577**

explained that she had been talking to Mr. Gearrity and Ms. Felix regarding finding another contractor and getting the project moving again, but nothing has happened. I told her that I will call them again and see if I can get things moving.I tried to contact Ms. Felix (212) 863-7534 and Mr. Gearrity (212) 863-6539, but I could only leave voice messages. A little while later, Derrick Parsons, Environmental Compliance Director (212) 863-7172 in Mr. Gearrity's office, called me to find out what I was calling about. I explained to him that the DEC was very concerned that no progress was being made in regards to getting a new contractor on board to remediate the spilled oil at Tilden Towers No. 1. I told him that Ms. Barrnett had contacted Mr. Gearrity some time ago, but she couldn't get an answer from him regarding when the next contractor would be approved. I added that we at the DEC had found out that Ms. Felix's office and Mr. Gearrity's office were not coordinated regarding this matter and so nothing was going to happen any time soon. I finished by stating that if there will be no progress in the near future, then the DEC will come in with its own contractor very quickly, do the work and back bill everyone. I said that the spill has been unremediated for 16 years and that this was way too long and action was needed now. Mr. Parsons said that he understood and that he will inform Mr. Gearrity about our conversation. At the end of the day, Gary Sloman from Ms. Felix's office called me. He is the Director of Operations for Housing Supervision. We discussed the current state of the oil spill and the lack of progress over the past 16 years. I told him that the DEC was very concerned that no remediation work had taken place in order to collect the oil. I added that we believed a plume had developed over time and was leaving the site. I mentioned that there was a due date of November 2, 2012 for showing some progress in managing the spill, such as hiring a contractor. Mr. Sloman had no comment regarding this. I told him that if nothing happens by the due date, then the state will open up a PIN case, take over the investigation and remediation and the Attorney General's office will backbill Tilden Towers No. 1. Mr. Sloman said that he understood. He asked who the DEC would hire to do the work. I told him that the contractor which would be the first choice is EnviroTrac. Mr. Sloman said that he will talk to them and see what their prices are. He added that there may be money available to pay for the work under the Sole Source Aquifer funding. I told him that he was welcome to try any contractor he wants.10/23/12 - Raphael Ketani. Mr. Rodriguez (914) 288-0200 ext 848/cell (914) 774-3071 called. He said that he hadn't heard anything from the HPD. He did not believe that a contractor would be hired in time to meet the deadline. I told him that it seemed as if nothing will happen by the deadline. So, the DEC will open up a PIN case and have its own contractor do the work. Mr. Rodriguez said that he understood. 11/21/12 - Raphael Ketani. The 11/2/12 deadline for work to start has passed. To date, I have not heard from Mr. Rodriguez, Mr. Gearrity or Ms. Felix regarding the resumption of the investigation and remediation work at the site. Therefore, I have made a case referral to our legal division for the violation of the Stipulation Agreement.The PIN case was opened on 11/20/12 and Mr. Hussein signed the Standby Contractor Authorization Forms for EnviroTrac and TestAmerica today. The forms were sent to the respective contractors.11/26/12 - Raphael Ketani. Dave Lorthioir (631) 924-3001 of EnviroTrac (one of the State investigation and remediation contractors) called to say that he will meet with Mr. Rodriguez on 12/5/12 in order to make an initial site visit and see

TILDEN TOWERS NO. 1 (Continued) **S102399577**

what the situation is.12/21/12 - Raphael Ketani. Just a note for the case record: ownership of the property is Tilden Towers Housing Co., Inc. Tilden Towers No. 1 is block and lot 4659 and 31.1/22/2013 - Raphael Ketani. I received CAP 45 for EnviroTrac. The bill is DC2048.00-1 for the period 11/26/12 to 12/30/12. The invoice date is 1/14/13. The work consisted of initial project setup, review DEC provided documents, travel to and from site, conduct site inspection, calls to DEC and Dorson Environmental, work on tank removal estimate, work on plan and cost estimate to remediate site, use of low value equipment and light duty vehicle. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.2/22/13 - Raphael Ketani. The Order was executed today by Venetia Lannon, Director of Region 2. 2/27/13 - Raphael Ketani. I received CAP 46 for EnviroTrac. The bill is DC2048.00-2 for the period 12/31/12 to 1/31/13. The invoice date is 2/11/13. The work consisted of project management, project coordination, creating the budget proposal, work on the budget estimate, work on the proposal to remediate the site, calls to vendors regarding work, calls to vendors regarding soil disposal, data entry, reporting. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.6/26/13 - Raphael Ketani. I spoke to Mr. Lorthioir (631) 924-3001 regarding progress at the site. He said that he is still working on the budget for the remediation project. The problem is that even if the tank is abandoned in place, this will be a very expensive project. At the very least, the tank has to be opened, cleaned out and filled with inert material. Then the contaminated soil around the tank has to be excavated. Also, groundwater wells have to be installed around and downgradient from the tank. Mr. Lorthioir stated that he is looking for lowest bid contractors to assist EnviroTrac in performing the work. However, as the arrangements for doing the project are taking a long time, contractors that had been set up to do the work would do other work in the meantime and not be available to do this project. I told Mr. Lorhtioir that as the project is so big, he should break it up into pieces and do one segment at a time. Mr. Lorthioir said that this sounded like a good idea. He will work on the well installation part of the project, get a budget for that and start the work.I received CAP 50 for EnviroTrac. The bill is DC2048.00-3 for the period 2/12/13 to 5/26/13. The invoice date is 5/26/13. The work consisted of project management, project coordination, work on the cost estimate, work on the pricing for various items of the project, data entry/ reporting. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.6/28/13 - Raphael Ketani. I received a letter containing a cost estimate for doing geoprobing at the site. The letter contained an air photo of the site and a site layout drawing. I discussed the cost estimate and tentative geoprobing plan with Mr. Lorthioir. Mr. Lorthioir explained that since the oil is #6 oil, it is very thick and difficult to suck up from a well. A 2 inch well would just clog. So 4 inch wells are needed for the remediation. However, 4 inch wells are expensive. So, in order not to waste money by putting wells in unnecessary places, Mr. Lorthioir proposed doing geoprobing first in order to find out where the oil is and is not. This way, wells can be installed later when it is known where the oil is. I told Mr. Lorthioir that this was a good plan and to proceed as soon as possible. Mr. Lorthioir commented that there mostly likely still is oil under the basement and so he wont put wells there. He added that there could be oil under part of the garage. I told him that I thought that there was oil under here, too. I suggested using

TILDEN TOWERS NO. 1 (Continued) **S102399577**

drum sumps to collect this oil. Mr. Lorthioir said that this is what he will do. I asked him how soon he could get started. Mr. Lorthioir said that the driller was tied up on another job. So he will have to schedule the work for sometime in maybe late July. I told him that was fine and to let me know several days in advance of when the drilling will start. With that, the conversation ended.I sent Mr. Lorthioir an e-mail approving the cost estimate and planned work.7/29/13 - Raphael Ketani. I received CAP 51 for EnviroTrac. The bill is DC2048.00-4 for the period 5/27/13 to 6/30/13. The invoice date is 7/15/13. The work consisted of project coordination, work on the cost estimate, calls to DEC project manager. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.8/15/13 - Raphael Ketani. Mr. Lorthioir called me regarding progress with the spill project. He stated that he had made arrangements with a driller to conduct some borings and possibly set some wells starting on September 9. The reason for the late start date is that the drillers in the region are very busy. So it's been hard to get someone. A cost proposal will be submitted for the project.8/28/13 - Raphael Ketani. I received CAP 52 for EnviroTrac. The bill is DC2048.00-5 for the period 7/1/13 to 7/28/13. The invoice date is 8/14/13. The work consisted of project coordination with the driller and project coordination regarding obtaining the permits to do the work. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.9/9/13 - Raphael Ketani. I received an e-mail today from Donna Amoscato of EnviroTrac. She wrote that the work will start the week of September 23, 2013.9/24/13 - Raphael Ketani. I was informed by Mr. Lorthioir that drilling will take place at the site on 9/25/13 and possibly on 9/26/13. Borings will be performed to delineate the extent of the oil contamination. A few borings may be turned into recovery wells.10/17/13 - Raphael Ketani. I spoke to Mr. Lorthioir today regarding progress at the site. He said that the soil borings did take place as planned. The borings were placed in an expanded radius away from the tank in order to determine how extensive the oil was. They hit shallow bedrock with 1 foot of water sitting on top. It is not known whether this is water that is slowly infiltrating the bedrock or whether it is storm water that is stuck there. Oil was on top of the water, but the thickness is not known. It was found that the oil is mostly within 10 feet of the tank. One location found oil at greater than 10 feet away. There was no oil in the well in the parking garage. So, it is assumed that the oil didn't make it this far. The super, Duane Miller, stated that the tank had been cleaned out. However, I told Mr. Lorthioir to open up the tank anyway and to make sure. I told him that if it is not cleaned out, then EnviroTrac should clean it out. Mr. Lorthioir will give me a daily rate for excavating as much soil as is feasible. The number of days for excavating will vary from 3 to 8 days depending on what they find. I told Mr. Lorthioir not to excavate such that this endangers the foundation of the building. Mr. Lorthioir said that he will make sure to be careful. However, there is a possibility that a sewer line runs right along the foundation of the building where the tank is. So, his crew will be extra careful.10/28/13 - Raphael Ketani. I received CAP 54 for EnviroTrac. The bill is DC2048.00-6 for the period 8/26/13 to 9/29/13. The invoice date is 10/14/13. The work consisted of project management and coordination, arrange and prepare for drilling, work on permits and permit procurement, work plan, call to building management to arrange access, on site supervision of investigation, travel time to and from the site, use of low value equipment and

TILDEN TOWERS NO. 1 (Continued) **S102399577**

light duty vehicle, purchase supplies. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.12/4/13 - Raphael Ketani. I received CAP 55 for EnviroTrac. The bill is DC2048.00-7 for the period 9/30/13 to 10/27/13. The invoice date is 11/14/13. The work consisted of project management, review historical data, write work plan for tank abandonment, call to building management to arrange access and to contractor, call to DEC, calls regarding equipment and underground piping at site, work performed by Associated Environmental Services. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.1/22/14 - Raphael Ketani. I spoke to Mr. Lorthioir today. He said that he finally put together the cost extimate for conducting the excavation work around the UST. He said that the DEC should receive it by e-mail this week. Mr. Lorthioir told me that he believed that the tank could be safely removed. I told him that EnviroTrac will need to think about safety first as regards the removal of the tank.1/29/14 - Raphael Ketani. I sent an Interim ISR to Dennis Farrar in the DEC Remediation office in Albany, NY.1/30/14 - Raphael Ketani. I received the EnviroTrac 1/30/14 Cost Estimate letter. The letter also contained the results of the soil investigation and a short work plan regarding abandoning the tank in place and excavating the contaminated soil in two areas. On 9/25/13, 7 soil borings were conducted. Boring B-22 (south of the UST) encountered evidence of oil at 9.5 feet. Groundwater was at 11 feet bgs. Boring B-24 (south of B-21 and B-22) exhibited petroleum odors at 11 feet bgs. The soil was wet below 12 feet bgs. Four wells had been previously installed by Dorson Environmental. The one west of the UST and the one at the corner with the garage and the building had product. The other two wells didn't have oil.EnviroTrac proposes to fill the UST with either inert material or concrete after cleaning it out. Outside the tank, most of the product is confined to a three foot smear zone at the water table. About 100 cu. yds. of material will be excavated. Six foot diameter recovery sumps will be installed in order to collect any remaining oil. The anticipated total cost of the work will be $150,000. However, in the event of unforeseen changes in the work, a total cost of $200,000 is sugggested.I found the letter to be acceptable.2/3/14 - Raphael Ketani. I received CAP 57 for EnviroTrac. The bill is DC2048.00-8 for the period 11/25/13 to 12/29/13. The invoice date is 1/15/14. The work consisted of project management, preparing the budget for the tank abandonment and soil excavation work and calls to AARCO to discuss pricing for the work. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.3/4/14 - Raphael Ketani. I received CAP 58 for EnviroTrac. The bill is DC2048.00-9 for the period 12/30/13 to 1/31/14. The invoice date is 2/14/14. The work consisted of project management, create CADD figures, complete status report, edit work plan, prepared draft maps, cost analysis and editing for the budget for the tank abandonment and soil excavation work and calls to AARCO to discuss pricing for the work. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.3/26/14 - Raphael Ketani. I received CAP 59 for EnviroTrac. The bill is DC2048.00-10 for the period 2/1/13 to 2/28/14. The invoice date is 3/13/14. The work consisted of project management and project coordination. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.4/28/14 - Raphael Ketani. I spoke to Mr. Lorthioir (631) 924-3001 regarding the site. I asked him how much oil he thought was on the water table and how far down it was. He said that there was a 2 foot smear zone and that the thickness of the oil layer was probably about 1 inch, but it

TILDEN TOWERS NO. 1 (Continued) **S102399577**

had never been measured with an instrument. He said that the contaminated soil was 11 to 12 feet below grade. He added that getting to this soil was difficult as the area was tight. I asked him whether and when he had visited the basement of the building next to the UST. He said that he had on 7/13/12 and it was the worst mess he had ever seen. There were buckets of oil from the original spill sitting open in the basement along with other junk and that the floor of the basement was covered by water. I asked him whether the water was from a broken pipe or something else. Mr. Lorthioir said that this was groundwater, but he did not see oil on this water. So the oil is no longer moving into the basement. Mr. Lorthioir said that he will send me pictures of the basment from the date of the inspection. He also reminded me that Tilden Towers No. 1 wanted to redo the courtyard at the site and that they were waiting for the DEC to finish its work so that they can proceed with the project. I thanked Mr. Lorthioir for the information and the conversation ended.Mr. Lorthioir successfully sent me the pictures. There were eight of them. They showed very sloppy basement conditions and evidence that oil had seeped through cracks and holes in the basement walls.4/29/14 - Raphael Ketani. As part of a caseload realignment, spill case #9607944 is being reassigned effective today to Jennifer Kann, Environmental Engineer II in Region 2 Remediation.5/1/14 - J.Kann - met briefly with John Urda and Jeff Vought about the site.5/2/14: J.Kann - called Dave Lorthioir and asked about wells on the site. He said there are 2 or 3 1-inch pipes sticking out of the ground with no covers. It is impossible to get a good read of 6 oil thickness from that. He said the cost estimate for the tank closure was "worse case scenario" because they don't know what they will find when they open the tank.5/5/14: J.kann - spoke with Jeff and Randy about site. Tried calling John Gehritty of HPD with Jeff Vought. John is out sick this week. Left a message with his secretary; would like to set up a site visit with John.5/13/14-Vought-Called HPD Gearrity as receptionist indicated he would most likely be back in office as he was out sick last week. Receptionist asked for identity which Vought provided and then put Vought on hold and came back and noted that Gearrity was not available. Vought left message that project has been transferred and DEC is reevaluating its requirements.5/13/14-Kann-called Ms. Felix regarding the site. Informed her that I was reassigned the site and would like to discuss it with her. Mentioned some emails that were in the DEC remarks section regarding the scope. She said she has not been involved with it since the consent order and the "state agreed to move forward with the work". She recommended that I call her boss Gary Sloman (212-863-6501), Director of Operations regarding the site. She said the site is in the early phases of refinancing.5/13/14-Kann- called Mr. Sloman of HPD. Asked him about his familiarity with the site. He said he was "deeply" involved with the site in 2012. I told him that I was recently reassigned the site. He said back in 2012 they could not get the financing to do the full scope of work 'immediately'. He said that the site is undergoing refinancing and that there will be a meeting next week. Funding could potentially be available in a few months, not immediately because of the ongoing refinancing. He said that he will bring up the topic at the refinancing meeting - all the parties involved with the site will be there. He asked what the cost was - I told him the estimate DEC has is $150,000 for closing the tank in place and limited excavation around the tank. I mentioned that it would be preferential if HPD could get the funding rather than going through the AGs office. He

TILDEN TOWERS NO. 1 (Continued) **S102399577**

agreed and said he will contact me after the meeting and could work together moving forward.5/21/15-Vought-Received call from and spoke to HPD Gearrity and discussed scope of work and DEC willingness to negotiate with HPD. HPD Gearrity was agreeable to ideal of HPD possibly taking over reduced scope. Vought and Gearrity agreed that Kann and Sloman would take lead.5/27/14: J.Kann - left a message for Gary Sloman at 10:20AM. He was currently in meetings.5/28/14: J.Kann - called Gary Sloman again at 10:00AM. was told he was on another call. 5/28/14: J.kann - I spoke with Gary Sloman of HPD this afternoon. He said that Tilden Towers No 1 will be refinancing in the fall and that they will be able to get the funding for the remediation immediately after the closing. He asked if DER can wait until the fall for work to commence. DER agreed to work with him on the time frame. He also requested that DER send the scope of work prepared by Envirotrac (email is slomang@hpd.nyc.gov). I will also be arranging a site visit to Tilden Towers in the next week. Gary told me to contact David Baron, manager at 718-706-7755 to arrange a site visit.6/3/14: J.Kann - tried to call David Baron to arrange a site visit, instead was directed to Elston Streeter (718-593-8936) who said he is out at the site every Thursday at 11AM. I agreed to meet him on June 5 at 11 (his cell number is 516-551-2235).6/3/14: J.Kann - after getting the okay from John Urda, I forwarded the envirotrac estimate to gary sloman of HPD (as he requested).6/6/14: J.Kann - Visited the site on 6/5/14. Checked the boiler room and courtyard. Took photos. Tried calling Gary Sloman at 3:30 today to follow up on the site visit and to discuss the letter I am drafting. His secretary said he left for the day and is not in Monday or Tuesday.6/16/14: J.kann - letter drafted last week, reviewed by Urda and Sent out today. The letter summarizes how we will move forward with the site. The Stipulation is now the governing legal document and a revised RAWP is due to the Department by December 15, 2014 (this date was discussed as attainable with Gary Sloman of HPD on 6/13).6/20/14: J.Kann - sent out an email today to gary sloman stating that the boiler room must be cleaned up or penalties and fines may be imposed. Pictures taken during the June 5 site visit were forwarded to him. Puddles of oil and a "garbage can" of oil was observed in the boiler room.6/25/14: J.Kann - an email received from Gary Sloman stated "It has been reported to me that the condition has been corrected"10/8/14: J.Kann - received a phone call from Matt Murphy of HDC (mmurphy@nychdc.com, 212-227-9807). He stated that HDC will be funding the cleanup of the site. The funding will come through in either December or January. We discussed that the RAWP must be submitted by December 15 and that a schedule for work would be included in the RAWP. Work does not have to start in December, but the RAWP must include a "reasonable" schedule. I explained that this would mean that work should commence within a few months of approval of the RAWP.11/19/14: J.Kann - called and spoke with Matt Murphy of HDC today after receiving an email from him on November 14. He requested that Tilden Towers be able to use the Envirotrac Work Plan as the RAWP for the site. I spoke with Jeff Vought and we agreed that since the Department paid Envirotrac through a PIN job for the work up to date, it would be acceptable for Tilden Towers to use it. Matt was informed of this and told that a reasonable and attainable schedule must be included with the work plan when it is submitted in December. Matt anticipates that the refinancing will go through in January/February of 2015. Matt will send a letter to the Department indicating that HDC will be financing the remediation and will

TILDEN TOWERS NO. 1 (Continued) **S102399577**

provide a budget of approximately $200,000 for the work.12/18/14: J.Kann - HDC submitted a letter dated December 9, 2014 indicating their continued intent to remediate the site and requesting that the DEC accept the January 30, 2014 RAWP prepared by EnviroTrac. HDC will fund the work indicated in that RAWP, which includes closing the UST in place and conducting some limited excavation around the UST. The Department accepted the RAWP. Field work is expected to commence in April 2015.3/24/15: J.Kann - site visit made on 3/22/15. Met with David Baron, Dave Lorthioir, Elston Streeter. Discussed options for remediation. As in the approved RAP, the tank can be closed/decommissioned in place. Agreed to recovery/monitoring wells in the corner between the building/parking structure. Indicated that I prefered that the other contaminated soils get excavated on the yard side of the tank. Based on discussions, work should commence in May 2015.

Remarks: A 15,000 GALLON FUEL OIL TANK IS LEAKING IN THE BASEMENT OF THE ABOVE APARTMENT BUILDING - TANK HAS BEEN DRAINED OUT AND A CLEAN UP TEAM HAS BEEN CONTACTED

Material:

Site ID:	251265
Operable Unit ID:	1039018
Operable Unit:	01
Material ID:	343694
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

B18 **CON EDISON GAS MAIN NONE** **RCRA NonGen / NLR** **1014919387**
WSW **BARNES AVE & TILDEN ST** **MANIFEST** **NYP004235495**
< 1/8 **BRONX, NY 10470**
0.070 mi.
369 ft. **Site 10 of 10 in cluster B**

Relative:
Lower

Actual:
92 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/12/2011
Facility name:	CON EDISON GAS MAIN NONE
Facility address:	BARNES AVE & TILDEN ST BRONX, NY 10470
EPA ID:	NYP004235495
Mailing address:	IRVING PLAZA RM 828 NEW YORK, NY 10003
Contact:	ERIK THOMPSON
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(718) 319-2340
Contact email:	Not reported
EPA Region:	02

CON EDISON GAS MAIN NONE (Continued) **1014919387**

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 05/13/2011
Site name: CON EDISON GAS MAIN NONE
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004235495
Country: USA
Location Address 1: BARNES AVE & TILDEN ST.
Location Address 2: Not reported
Location City: BRONX
Location State: NY
Location Zip Code: 10451
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: TOM TEELING
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 05/13/2011
Trans1 Recv Date: 05/13/2011
Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/16/2011
Part A Recv Date: Not reported
Part B Recv Date: Not reported

CON EDISON GAS MAIN NONE (Continued) **1014919387**

Generator EPA ID:	NYP004235495
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	Not reported
Quantity:	145.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	003204400FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

C19 **925 EAST 213RD ST** **NY Spills** **S102239587**
ENE **925 EAST 213RD ST** **N/A**
< 1/8 **BRONX, NY**
0.071 mi.
374 ft. **Site 2 of 3 in cluster C**

Relative:
Higher

Actual:
118 ft.

SPILLS:

Facility ID:	9516871
Facility Type:	ER
DER Facility ID:	161549
Site ID:	193819
DEC Region:	2
Spill Date:	3/31/1996
Spill Number/Closed Date:	9516871 / 4/1/1996
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	MMMULQUE
Referred To:	Not reported
Reported to Dept:	3/31/1996
CID:	349
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/31/1996
Spill Record Last Update:	4/3/1996

925 EAST 213RD ST (Continued) **S102239587**

Spiller Name:	ROBERT PAUL
Spiller Company:	Not reported
Spiller Address:	925 EAST 213RD ST
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	001
Contact Name:	ROBERT PAUL
Contact Phone:	(718) 519-6213
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"
Remarks:	1 pint leak from oil line fitting - repaired and cleaned up

Material:

Site ID:	193819
Operable Unit ID:	1031434
Operable Unit:	01
Material ID:	353383
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

D20 **APART** **LTANKS** **S109064237**
South **3531 BRONXWOOD AVE** **N/A**
< 1/8 **BRONX, NY**
0.073 mi.
387 ft. **Site 1 of 16 in cluster D**

Relative:
Lower

Actual:
92 ft.

LTANKS:

Site ID:	396142
Spill Number/Closed Date:	0800395 / 12/15/2014
Spill Date:	4/10/2008
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	VXBREVDO
Referred To:	Not reported
Reported to Dept:	4/10/2008
CID:	444
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/10/2008
Spill Record Last Update:	12/15/2014

APART (Continued) **S109064237**

Spiller Name: EARLEAN AUTHORS
Spiller Company: APART
Spiller Address: 3531 BRONXWOOD AVE
Spiller City,St,Zip: BRONX, NY
Spiller County: 001
Spiller Contact: EARLEAN AUTHORS
Spiller Phone: (212) 690-7000
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 345633
DEC Memo: 4/23/08 Property is also 836 Tilden Street which is also the address on the registration certificate. Tank is registered as 2500 gal, but spill report states 25K gal. Called I. Mungra of Eastmond. He confirmed that it is a 25K tank. He told me the failure was due to a wet leak. He said it may be caused by a failure at the gauge line. I asked if they emptied tank and installed temporary tanks. he said as far as he klnows, they did not. He is waiting for response to his proposal. I asked if they were told to keep an eye on gauge for losses. he said he told them to do this. At approx. 9:00 AM, I called Jean Chatman of Myers Smith & Granady PC, the PBS contact, at (212)690-7000. There was no answer. I called again at approx. 9:30 AM. I was referred to Surrey coop at (718)652-3023. I spoke to Ms. Chatman. She said i need to speak to Erlean. She is not in yet though. I told her that I would be inspecrting the tank tomorrow at approx. 9;30 AM. Sent ttf letter to:Jean ChatmanMyers, Smith,, & Granady, Inc.2307 Adam Clayton Powell Blvd.New York, NY 10035I plan on inspecting this facility tomorrow to check the status of the tank and because the registration record is not correct. bf4/24/08 Inspected faciltiy. Issued NOV for incorrect registration. Facility stores #^ oil not #2 oil. Reviewed recent delivery invoices to verify. bf6/5/08 Called Jean Chatman with J. Byrne of OGC. She will provide letter by fax for spill closure. Penalty of $500 will be provided in consent order. Infiormation Corerection Application was already processed for registration correction. bf07/16/13 - Spill Case is transferred from Brian Falvey (PBS Unit) to V. Brevdo (Section B) as per DER Region 2 decision - Tank Test Failure Spill Case. VB10/29/2014 - V. BrevdoReceived telephone message from Mark Samuel - real estate agency - (212) 690-7000. Mr. Samuel stated he plans to install new tanks and wants to discuss what needs to be done about the open spill case. I returned the call at 4:20 p.m., left message that the spill case was due to TTF failure and wet leak and the Department needs to see the results of soil and groundwater sampling around the tank to check if spill/leak caused impacts to the envrironment. If cased impacts - they must be rectified/cleaned up. If they plan to excavate tanks, they can take soil samples during excavation. Left my telephone number and requested to return my call. VB.11/03/2014 - V. BrevdoRecieved a call from Mark Samuel real estate agency - (212) 690-7000. Mr. Samuel advised that Eastment & Sons will be addressing the spill case demonstrating that there was no impact to the environment or, if there was an impact, how it will be rectified or was rectified. VB.11/26/2014 - V. BrevdoOn 11/25/2014 received a letter from Eastmond and Sons explaining the following:On November 5, 2014 the tank was pumped and squeegee cleaned removing the #6 oil and sludge in storgage. The tank and connected pipes were pressure washed on November 10, 2014. It was during the wash that Eastmond inspected the entire interior surface. The tanks is 12o inch diameter and 25,000 gal capacity and is facint south to north.

APART (Continued) **S109064237**

Because the tanks is no. 6 oil tank the maximum level of oil at any time was at 84 inch and is clearly identifiable. Above the maximum oil level the tank is covered with condensate rust caused by the heated oil relieving the moisture contained in the fuel. The condensate rust is clean and is of normal rustic color with no oil in it except for minor splashes. It is in this area tow 3/8" iregular holes were visible found on the south tank end. On November 21 Eastmond drilled to a depth of 6 inches and another at 10 feet and collected two soil samples. The fist sample six foot was calculated based upon the elevation of the two holes in the tank end and another at a depth that the auger could not penertate further. Eastmond submitted analytycal data from two soil samples. The concentrations are low and do not warrant remedial action. Sent e-mail to Eastmond stating that concentrations are low and no remediation is warranted however, I want to receive confirmation of the tank repair before spill case is closed. See e-mails below:From: Neil Tomasetti [mailto:ntomasetti@easco.com] Sent: Tuesday, November 25, 2014 5:52 PMTo: Brevdo, Vadim (DEC)Cc: mas@samuelrealty.comSubject: spill# 0800395VadimPlease look at the attached data. If sufficient please close out the spill as I have work to do here and would like to complete it before it gets to coldNeil11/26/2014Dear Mr. Tomasetti:I have reviewed the November 24, 2014 submission from Eastmond & Sonds. It appears that the concentrations of contaminants in the soil are at low levels which do not warrant remedial action. However, you acknowledged that there are two holes in the tank and it is my understanding that you intend to repair tank and eliminate these holes. I strongly prefer that you repair holes and submit to me the verification / confirmation that the tank was repaired before the Department closes this spill case. After you submitted confirmation that the tank has been repaired and no longer contains holes in it, I will close the spill case (barring any new unforeseen information/findings).Contact me if you have questions.Vadim Brevdo VBVBe-mail from Eastmond and Sons of 11/26/2014:From: Neil Tomasetti [mailto:ntomasetti@easco.com] Sent: Wednesday, November 26, 2014 1:45 PMTo: Brevdo, Vadim (DEC)Cc: mas@samuelrealty.comSubject: RE: spill# 0800395 - 3531 Bronxwood Avenue, Bronx, NY 11370VadimI will repair the holes and retest the tank early next week and provide the results to you. Thank you very much for your immediate responsee-mail to Eastmond and Sons of 11/26/2014:NeilGreat. This is appropriate course of action. As soon as you confirm that the tank has been repaired and passed the test, I intend to close spill case and issue spill closure letter.Vadim12/15/2014 - V. Brevdoe-mail from Neil Tomasetti of Eastmond and Sons:VadimPlease review the attached data. The patch repair was completed a few days prior to the taking of the pictures. The cold weather developed some condensation Neil12/15/2014 - V. BrevdoReviewed the November 24, 2014 submission from Eastmond & Sonds. It appears that the concentrations of contaminants in the soil are at low levels which do not warrant remedial action. Eastmond and Sons also submitted confirmation of tank repair and tank passing the tightness test on December 12, 2014. Spill case is closed effective December 15, 2014.VB

Remarks: WET LEAK

Material:

Site ID: 396142
Operable Unit ID: 1153089
Operable Unit: 01

APART (Continued) **S109064237**

Material ID: 2143866
Material Code: 0002A
Material Name: #4 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 396142
Spill Tank Test: 2453480
Tank Number: Not reported
Tank Size: 25000
Test Method: 13
Leak Rate: 0
Gross Fail: Not reported
Modified By: Watchdog
Last Modified: 4/10/2008
Test Method: Testronics

E21 **SPILL NUMBER 0009616** **NY Spills** **S104879625**
ESE **939 TILDEN ST** **N/A**
< 1/8 **BRONX, NY**
0.080 mi.
425 ft. **Site 1 of 3 in cluster E**

Relative: Higher

Actual: 115 ft.

SPILLS:
Facility ID: 0009616
Facility Type: ER
DER Facility ID: 80136
Site ID: 87466
DEC Region: 2
Spill Date: 11/22/2000
Spill Number/Closed Date: 0009616 / 1/16/2001
Spill Cause: Human Error
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 0301
Investigator: TJDEMEO
Referred To: Not reported
Reported to Dept: 11/22/2000
CID: 257
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Local Agency
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 11/22/2000
Spill Record Last Update: 5/8/2002

SPILL NUMBER 0009616 (Continued) **S104879625**

Spiller Name:	MR NORBELT
Spiller Company:	Not reported
Spiller Address:	939 TILDEN ST
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	001
Contact Name:	MR NORBELT
Contact Phone:	(718) 653-4179
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"Misdelivery of #2 fuel oil. Impacts to basement floor and subsurface soils via cracks/holes in concrete floor. Tri-state Environmental retained for cleanup. Contaminated debris removed, absorbents used to remove remaining fuel. Concrete floor removed and contaminated soils dug out for off-site disposal. End-point samples collected and are within regulatory limits.Spill closed
Remarks:	CALLER HAD LIMITED INFO - THINKS OIL COMPANY PUMPED OIL INTO HOUSE SPILLING SOME

Material:

Site ID:	87466
Operable Unit ID:	830700
Operable Unit:	01
Material ID:	543555
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

C22 **935 EAST 213TH ST** **LTANKS** **S102960171**
ENE **935 EAST 213TH ST** **N/A**
< 1/8 **BRONX, NY**
0.082 mi.
434 ft. **Site 3 of 3 in cluster C**

Relative:
Higher

Actual:
118 ft.

LTANKS:

Site ID:	112610
Spill Number/Closed Date:	9712328 / 8/8/2005
Spill Date:	2/4/1998
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	0301
Investigator:	MJHAGGER
Referred To:	Not reported
Reported to Dept:	2/4/1998
CID:	205
Water Affected:	Not reported
Spill Notifier:	Responsible Party

935 EAST 213TH ST (Continued) **S102960171**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/4/1998
Spill Record Last Update:	8/8/2005
Spiller Name:	JOEL MARKS
Spiller Company:	935 EAST 213TH ST
Spiller Address:	935 EAST 213TH ST
Spiller City,St,Zip:	BRONX, NY
Spiller County:	001
Spiller Contact:	JOEL MARKS
Spiller Phone:	(718) 881-6045
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	98355
DEC Memo:	8/8/05 - Haggerty - spoke with Robert Cirillo of Wilco Energy Corporation on 8/1/05. Wilco Energy was the oil provider for a Joel Marks, owner of property, prior to the date this spill was called in. The spill was called in by Wilco because the owner stated he had no oil in his tank and according to Wilco the tank was filled 5 days earlier. The owner said that there had been no delivery to his house 5 days earlier and refused to pay. He also informed Wilco he was switching to gas and no longer needed their services. Wilco could prove their delivery 5 days prior and informed him he would have to pay. Wilco informed the owner, Joel Marks, that they would have to call this in as a spill even though they believed he had the tank pumped out in an attempt to avoid payment. Wilco took Joel Marks to court for the cost of the oil and won. Robert Cirillo of Wilco faxed me a letter confirming everything just mentioned. Spill closed.
Remarks:	caller was contacted by customer for no oil. caller stated that they had just filled the 275 gal u/g tank 5 days earlier.

Material:

Site ID:	112610
Operable Unit ID:	1055082
Operable Unit:	01
Material ID:	326943
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	270
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

E23 **936 EAST 212TH ST/BX** **NY Spills** **S102145956**
ESE **936 EAST 212TH STREET** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.084 mi.
442 ft. **Site 2 of 3 in cluster E**

Relative:
Higher

Actual:
111 ft.

SPILLS:

Facility ID:	9007004
Facility Type:	ER
DER Facility ID:	122970
Site ID:	144260
DEC Region:	2
Spill Date:	9/1/1990
Spill Number/Closed Date:	9007004 / 9/26/1990
Spill Cause:	Deliberate
Spill Class:	Not reported
SWIS:	0301
Investigator:	WILSON
Referred To:	Not reported
Reported to Dept:	9/26/1990
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Citizen
Cleanup Ceased:	9/26/1990
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/3/1990
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	PERSONS WALKING ON CARS IN BACK YARD, DUMPING OIL ON SOIL, REFERRED TOLAW ENFORCEMENT.

Material:

Site ID:	144260
Operable Unit ID:	947533
Operable Unit:	01
Material ID:	434432
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

E24 **936 E 212TH ST** **NY Spills** **S104495509**
ESE **936 E. 212TH STREET** **N/A**
< 1/8 **BRONX, NY**
0.085 mi.
448 ft. **Site 3 of 3 in cluster E**

Relative:
Higher

Actual:
111 ft.

SPILLS:

Facility ID:	9304626
Facility Type:	ER
DER Facility ID:	172234
Site ID:	207573
DEC Region:	2
Spill Date:	7/13/1993
Spill Number/Closed Date:	9304626 / 2/13/2003
Spill Cause:	Deliberate
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	7/13/1993
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Federal Government
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/13/1993
Spill Record Last Update:	2/13/2003
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	LANDLORD PUT WHOLE IN FUELLIN - NYC DEP WILL CALL HAZMET.

Material:

Site ID:	207573
Operable Unit ID:	982922
Operable Unit:	01
Material ID:	398118
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

F25
SE
< 1/8
0.090 mi.
477 ft.

FORMER ROFAY NURSING HOME
946 E 211TH ST
BRONX, NY

Site 1 of 2 in cluster F

LTANKS **S105999657**
N/A

Relative:
Lower

Actual:
103 ft.

LTANKS:

Site ID:	82861
Spill Number/Closed Date:	0305261 / 9/30/2003
Spill Date:	8/18/2003
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	CESAWYER
Referred To:	Not reported
Reported to Dept:	8/18/2003
CID:	252
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/18/2003
Spill Record Last Update:	9/30/2003
Spiller Name:	PETER BERGMANN
Spiller Company:	JACOB W FRIEDMAN
Spiller Address:	UNK
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	STEVEN GUSTEMS
Spiller Phone:	(914) 694-9600
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	76328
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"8/18/03 1500 Hrs - Sawyer sent contaminated soils letter to SJW Associates. Attn: Jacob W. Friedman (516) 482-24709/25/03 1200 Hrs - Sawyer received a report for closure and removal of an underground storage tank from Steve Gustems of IVI Environmental. The report included waste removal revcords, pictures and end point sample results. Closed.
Remarks:	10,000 gallon underground tank was removed.soil contamination was discovered-soil has been stockpiled for removal.

Material:

Site ID:	82861
Operable Unit ID:	871935
Operable Unit:	01
Material ID:	502521
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0

FORMER ROFAY NURSING HOME (Continued) **S105999657**

Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

F26 **VACANT BUILDING** **AST** **U004076998**
SE **946 EAST 211TH STREET** **N/A**
< 1/8 **BRONX, NY 10469**
0.090 mi.
477 ft. **Site 2 of 2 in cluster F**

Relative:
Lower

Actual:
103 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-206997
Program Type: PBS
UTM X: 596172.06128999998
UTM Y: 4525602.1226599999
Expiration Date: 10/07/2007
Site Type: Other

Affiliation Records:
Site Id: 7324
Affiliation Type: Facility Owner
Company Name: SJW ASSOCIATES % GREAT NECK TERRACE MGMT. OFFICE
Contact Type: Not reported
Contact Name: Not reported
Address1: 2 EAST MILL DRIVE
Address2: Not reported
City: GREAT NECK
State: NY
Zip Code: 11021
Country Code: 001
Phone: (516) 482-2470
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 7324
Affiliation Type: Mail Contact
Company Name: SJW ASSOCIATES
Contact Type: Not reported
Contact Name: JACOB W. FRIEDMAN
Address1: % GREAT NECK TERRACE MGMT. OFFICE
Address2: 2 EAST MILL DRIVE
City: GREAT NECK
State: NY
Zip Code: 11021
Country Code: 001
Phone: (516) 482-2470
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT

VACANT BUILDING (Continued) **U004076998**

Date Last Modified: 3/4/2004

Site Id: 7324
Affiliation Type: On-Site Operator
Company Name: VACANT BUILDING
Contact Type: Not reported
Contact Name: D/N/A
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: Not reported
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 7324
Affiliation Type: Emergency Contact
Company Name: SJW ASSOCIATES % GREAT NECK TERRACE MGMT. OFFICE
Contact Type: Not reported
Contact Name: D/N/A
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: Not reported
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001
Tank Id: 24938
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A01 - Tank Internal Protection - Epoxy Liner
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
G07 - Tank Secondary Containment - Excavation Liner
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None

Tank Location: 6
Tank Type: Steel/Carbon Steel/Iron

VACANT BUILDING (Continued) **U004076998**

Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1963
Capacity Gallons:	10000
Tightness Test Method:	03
Date Test:	09/01/1989
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

D27 **K & S BETTER CLEANERS** **DRYCLEANERS** **S110246993**
SSW **849 EAST GUNHILL RD.** **N/A**
< 1/8 **BRONX, NY 10467**
0.096 mi.
507 ft. **Site 2 of 16 in cluster D**

Relative:
Lower

Actual:
91 ft.

DRYCLEANERS:

Facility ID:	2-6002-00308
Phone Number:	718-519-1351
Region:	Not reported
Registration Effective Date:	11/27/2001 13:56:20:776
Inspection Date:	06APR30
Install Date:	89/01
Drop Shop:	Not reported
Shutdown:	Y
Alternate Solvent:	Not reported
Current Business:	Not reported

D28 **FASHION CLEANERS** **RCRA-SQG** **1000241949**
SSW **849 E GUNHILL RD** **FINDS** **NYD982536740**
< 1/8 **BRONX, NY 10467** **MANIFEST**
0.096 mi.
507 ft. **Site 3 of 16 in cluster D**

Relative:
Lower

Actual:
91 ft.

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	FASHION CLEANERS
Facility address:	849 E GUNHILL RD BRONX, NY 10467
EPA ID:	NYD982536740
Mailing address:	E GUNHILL RD BRONX, NY 10467
Contact:	LEE KWONG
Contact address:	E GUNHILL RD BRONX, NY 10467
Contact country:	US
Contact telephone:	(718) 519-1357
Contact email:	Not reported
EPA Region:	02
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

FASHION CLEANERS (Continued) **1000241949**

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: UNKNOWN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: UNKNOWN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: FASHION CLEANERS
Classification: Not a generator, verified

Date form received by agency: 04/11/1988
Site name: FASHION CLEANERS
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

FASHION CLEANERS (Continued) **1000241949**

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110004423133

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD982536740
Country: USA
Location Address 1: 849 E GUNHILL RD
Location Address 2: Not reported
Location City: BRONX
Location State: NY
Location Zip Code: 10467
Location Zip Code 4: Not reported

Mailing Info:
Name: BETTER CLNRS
Contact: EDWANN SALVIOLO
Address: 849 EAST GUNHILL ROAD
City/State/Zip: BRONX, NY 10467
Country: USA
Phone: 212-519-1351

Manifest:

Document ID: NYG0074259
Manifest Status: Not reported
Trans1 State ID: XZ90GR501
Trans2 State ID: Not reported
Generator Ship Date: 01/26/1998
Trans1 Recv Date: 01/26/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/30/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD982536740

FASHION CLEANERS (Continued) **1000241949**

Trans1 EPA ID: NJD000564906
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00120
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00120
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 1998

Document ID: NYC4433703
Manifest Status: Completed copy
Trans1 State ID: NYLP3931
Trans2 State ID: MO001
Generator Ship Date: 01/23/1997
Trans1 Recv Date: 01/23/1997
Trans2 Recv Date: 01/28/1997
TSD Site Recv Date: 01/29/1997
Part A Recv Date: 02/11/1997
Part B Recv Date: 02/07/1997
Generator EPA ID: NYD982536740
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: MOD095038998
TSDF ID: OHD980587364
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00120
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00195
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1997

Document ID: NYC4730714
Manifest Status: Completed copy
Trans1 State ID: NYLP3931
Trans2 State ID: HQ32654
Generator Ship Date: 05/14/1997
Trans1 Recv Date: 05/14/1997

FASHION CLEANERS (Continued) **1000241949**

Trans2 Recv Date:	05/19/1997
TSD Site Recv Date:	05/20/1997
Part A Recv Date:	05/27/1997
Part B Recv Date:	06/05/1997
Generator EPA ID:	NYD982536740
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	MOD095038998
TSDF ID:	OHD980587364
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00120
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1997

Document ID:	NYC4207691
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYLP3931
Trans2 State ID:	Not reported
Generator Ship Date:	08/08/1996
Trans1 Recv Date:	08/08/1996
Trans2 Recv Date:	08/14/1996
TSD Site Recv Date:	08/15/1996
Part A Recv Date:	08/23/1996
Part B Recv Date:	09/04/1996
Generator EPA ID:	NYD982536740
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	ARD981908551
TSDF ID:	OHD980587364
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00120
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1996

Document ID:	NYC4248268
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYLP3931
Trans2 State ID:	MO001
Generator Ship Date:	11/26/1996
Trans1 Recv Date:	11/26/1996
Trans2 Recv Date:	12/03/1996
TSD Site Recv Date:	12/04/1996

FASHION CLEANERS (Continued) **1000241949**

Part A Recv Date: 12/18/1996
Part B Recv Date: 12/26/1996
Generator EPA ID: NYD982536740
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: MOD095038998
TSDF ID: OHD980587364
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00195
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1996

Document ID: NYC4090770
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NYLP3931
Trans2 State ID: Not reported
Generator Ship Date: 05/15/1996
Trans1 Recv Date: 05/15/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 05/22/1996
Part A Recv Date: 05/28/1996
Part B Recv Date: 06/13/1996
Generator EPA ID: NYD982536740
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: OHD980587364
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00120
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1996

Document ID: NYC3597873
Manifest Status: Completed copy
Trans1 State ID: LP3931NY
Trans2 State ID: Not reported
Generator Ship Date: 07/14/1995
Trans1 Recv Date: 07/14/1995
Trans2 Recv Date: / /
TSD Site Recv Date: 07/14/1995
Part A Recv Date: 07/24/1995
Part B Recv Date: 07/24/1995
Generator EPA ID: NYD982536740
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00195
Units: P - Pounds

FASHION CLEANERS (Continued) **1000241949**

Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1995

Document ID: NYC3701722
Manifest Status: Completed copy
Trans1 State ID: LP3931NY
Trans2 State ID: Not reported
Generator Ship Date: 10/04/1995
Trans1 Recv Date: 10/04/1995
Trans2 Recv Date: / /
TSD Site Recv Date: 10/04/1995
Part A Recv Date: 10/20/1995
Part B Recv Date: 10/19/1995
Generator EPA ID: NYD982536740
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00120
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1995

Document ID: NYC3946555
Manifest Status: Completed copy
Trans1 State ID: LP3931NY
Trans2 State ID: Not reported
Generator Ship Date: 12/28/1995
Trans1 Recv Date: 12/28/1995
Trans2 Recv Date: / /
TSD Site Recv Date: 12/28/1995
Part A Recv Date: 01/09/1996
Part B Recv Date: 01/09/1996
Generator EPA ID: NYD982536740
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00195
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00120
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels

FASHION CLEANERS (Continued) **1000241949**

Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1995

Document ID: NYC3518932
Manifest Status: Completed copy
Trans1 State ID: LP3931NY
Trans2 State ID: Not reported
Generator Ship Date: 03/23/1995
Trans1 Recv Date: 03/23/1995
Trans2 Recv Date: / /
TSD Site Recv Date: 03/23/1995
Part A Recv Date: 04/06/1995
Part B Recv Date: 03/31/1995
Generator EPA ID: NYD982536740
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00120
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1995

Document ID: NYC3277800
Manifest Status: Completed copy
Trans1 State ID: LP3931NY
Trans2 State ID: Not reported
Generator Ship Date: 10/05/1994
Trans1 Recv Date: 10/05/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 10/05/1994
Part A Recv Date: 10/18/1994
Part B Recv Date: 10/14/1994
Generator EPA ID: NYD982536740
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00195
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1994

Document ID: NYC2953416
Manifest Status: Completed copy
Trans1 State ID: LP3931NY
Trans2 State ID: Not reported

FASHION CLEANERS (Continued) **1000241949**

Generator Ship Date:	04/21/1994
Trans1 Recv Date:	04/21/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/21/1994
Part A Recv Date:	05/02/1994
Part B Recv Date:	04/29/1994
Generator EPA ID:	NYD982536740
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00120
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1994

Document ID:	NYC3360205
Manifest Status:	Completed copy
Trans1 State ID:	LP3931NY
Trans2 State ID:	Not reported
Generator Ship Date:	12/01/1994
Trans1 Recv Date:	12/01/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/01/1994
Part A Recv Date:	12/12/1994
Part B Recv Date:	12/12/1994
Generator EPA ID:	NYD982536740
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00120
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1994

FASHION CLEANERS (Continued) **1000241949**

Document ID:	NYC2770593
Manifest Status:	Completed copy
Trans1 State ID:	HW8207NY
Trans2 State ID:	Not reported
Generator Ship Date:	01/25/1994
Trans1 Recv Date:	01/25/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/25/1994
Part A Recv Date:	02/07/1994
Part B Recv Date:	02/03/1994
Generator EPA ID:	NYD982536740
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1994

Document ID:	NYC3147660
Manifest Status:	Completed copy
Trans1 State ID:	GF3013NY
Trans2 State ID:	Not reported
Generator Ship Date:	07/14/1994
Trans1 Recv Date:	07/14/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/14/1994
Part A Recv Date:	07/28/1994
Part B Recv Date:	07/21/1994
Generator EPA ID:	NYD982536740
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00120
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1994

Document ID:	NYC2706276
Manifest Status:	Completed copy
Trans1 State ID:	HW8207NY
Trans2 State ID:	Not reported
Generator Ship Date:	11/24/1993
Trans1 Recv Date:	11/24/1993
Trans2 Recv Date:	/ /
TSD Site Recv Date:	11/24/1993
Part A Recv Date:	12/07/1993

FASHION CLEANERS (Continued) **1000241949**

Part B Recv Date: 12/09/1993
Generator EPA ID: NYD982536740
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1993

Document ID: NYC2247355
Manifest Status: Completed copy
Trans1 State ID: AY9381NY
Trans2 State ID: Not reported
Generator Ship Date: 04/13/1993
Trans1 Recv Date: 04/13/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 04/13/1993
Part A Recv Date: 04/26/1993
Part B Recv Date: 04/20/1993
Generator EPA ID: NYD982536740
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1993

Document ID: NYC2345264
Manifest Status: Completed copy
Trans1 State ID: AY9381NY
Trans2 State ID: Not reported
Generator Ship Date: 06/09/1993
Trans1 Recv Date: 06/09/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 06/09/1993
Part A Recv Date: 06/23/1993
Part B Recv Date: 06/17/1993
Generator EPA ID: NYD982536740
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001

FASHION CLEANERS (Continued) **1000241949**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1993

Document ID:	NYC2393627
Manifest Status:	Completed copy
Trans1 State ID:	AY9381NY
Trans2 State ID:	Not reported
Generator Ship Date:	07/09/1993
Trans1 Recv Date:	07/09/1993
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/09/1993
Part A Recv Date:	07/19/1993
Part B Recv Date:	07/20/1993
Generator EPA ID:	NYD982536740
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1993

Document ID:	NYC2186403
Manifest Status:	Completed copy
Trans1 State ID:	AY9381NY
Trans2 State ID:	Not reported
Generator Ship Date:	03/17/1993
Trans1 Recv Date:	03/17/1993
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/17/1993
Part A Recv Date:	03/30/1993
Part B Recv Date:	03/25/1993
Generator EPA ID:	NYD982536740
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1993

D29
SSW
< 1/8
0.096 mi.
507 ft.

849 E GUN HILL RD
BRONX, NY 10467

Site 4 of 16 in cluster D

EDR US Hist Cleaners **1015101029**
N/A

Relative:
Lower

Actual:
91 ft.

EDR Historical Cleaners:

Name:	BETTER CLEANERS
Year:	2001
Address:	849 E GUN HILL RD
Name:	BETTER CLEANERS
Year:	2002
Address:	849 E GUN HILL RD
Name:	BETTER CLEANERS
Year:	2003
Address:	849 E GUN HILL RD
Name:	BETTER CLEANERS
Year:	2004
Address:	849 E GUN HILL RD
Name:	BETTER CLEANERS
Year:	2005
Address:	849 E GUN HILL RD
Name:	BETTER CLEANERS
Year:	2006
Address:	849 E GUN HILL RD
Name:	BETTER CLEANERS
Year:	2011
Address:	849 E GUN HILL RD
Name:	BETTER CLEANERS
Year:	2012
Address:	849 E GUN HILL RD

D30
SSW
< 1/8
0.097 mi.
513 ft.

885 E GUN HILL RD
BRONX, NY 10467

Site 5 of 16 in cluster D

EDR US Hist Cleaners **1015103097**
N/A

Relative:
Lower

Actual:
89 ft.

EDR Historical Cleaners:

Name:	MIR LAUNDROMAT CORP
Year:	2003
Address:	885 E GUN HILL RD
Name:	MIR LAUNDROMAT
Year:	2011
Address:	885 E GUN HILL RD

G31 **836 EAST 214TH ST** **NY Spills** **S102560470**
NNW **836 EAST 214TH ST** **N/A**
< 1/8 **BRONX, NY**
0.098 mi.
515 ft. **Site 1 of 3 in cluster G**

Relative:
Higher

Actual:
111 ft.

SPILLS:

Facility ID:	9614744
Facility Type:	ER
DER Facility ID:	99307
Site ID:	113823
DEC Region:	2
Spill Date:	3/21/1997
Spill Number/Closed Date:	9614744 / 3/25/1997
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	3/21/1997
CID:	281
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/22/1997
Spill Record Last Update:	5/20/2003
Spiller Name:	SAME
Spiller Company:	MR.PEAL
Spiller Address:	836 EAST 214TH ST
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	001
Contact Name:	TIM REAGAN
Contact Phone:	(718) 476-6288
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"
Remarks:	OIL DELIVERY TODAY-APPEARS THAT THE BOTTOM OF OIL TANK GAVEOUT ALLOW MATERIAL TO SPILL INTO BASEMENT OF RESIDENCE.CALLER STATES THAT SOME MATERIAL WAS PUMPED INTO SEWERSYSTEM VIA SUMP PUMP. SPILL IS CONTAINED AT TIME OF CALL.OIL COMPANY - SCHILVWACHTER FUEL CO. 1500 FERRIS PLACE BRONX NYNO CALL BACK REQUESTED.

Material:

Site ID:	113823
Operable Unit ID:	1046116
Operable Unit:	01
Material ID:	339848
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	250
Units:	Gallons
Recovered:	85

836 EAST 214TH ST (Continued) **S102560470**

Resource Affected: Not reported
Oxygenate: False

Tank Test:

G32 **UNOCCUPIED FAMILY HOME** **LTANKS** **S107489098**
North **839 EAST 214 ST** **N/A**
< 1/8 **BRONX, NY**
0.098 mi.
516 ft. **Site 2 of 3 in cluster G**

Relative:
Higher

Actual:
111 ft.

LTANKS:

Site ID:	355416
Spill Number/Closed Date:	0509613 / 1/26/2006
Spill Date:	9/11/2005
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	11/10/2005
CID:	409
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/10/2005
Spill Record Last Update:	1/26/2006
Spiller Name:	JOE HASSEKT
Spiller Company:	UNOCCUPIED FAMILY HOME
Spiller Address:	839 EAST 214 ST
Spiller City,St,Zip:	BRONX, NY
Spiller County:	001
Spiller Contact:	JOE HASSEKT
Spiller Phone:	(718) 892-1700
Spiller Extention:	14
DEC Region:	2
DER Facility ID:	305444
DEC Memo:	Sangesland spoke to Hasselt Realty. Property is vacant and in foreclosure. Management company found the leak in Sept and had the initial cleanup done then.Northeast Environmental (Joe - 914-777-1930) has been hired by Hasselt Realty to do soil borings and any remediation if contamination is found.01/26/06 Sharif//Rec'd soil analytical results taken by NorthEast Environmental.VOC/SVOC are non detect for all three samples. NFA required.
Remarks:	LOCATED IN THE BASEMENT. LEAKING SLOWLY.OIL HAS BEEN DRAINED OUT OF THE TANK AND ALSO SOAKED UP THE OIL OUTSIDE THE TANK. ALSO TEST HAVE BEEN DONE TO TANK.

UNOCCUPIED FAMILY HOME (Continued) **S107489098**

Material:
Site ID: 355416
Operable Unit ID: 1112777
Operable Unit: 01
Material ID: 2102820
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 3
Units: Gallons
Recovered: 3
Resource Affected: Not reported
Oxygenate: False

Tank Test:

D33 **LOT 2,TAXBLOCK 4670** **E DESIGNATION** **S111377863**
South **3501 BRONXWOOD AVENUE** **N/A**
< 1/8 **BRONX, NY 10469**
0.099 mi.
521 ft. **Site 6 of 16 in cluster D**

Relative:
Lower

Actual:
88 ft.

E DESIGNATION:
Tax Lot(s): 2
Tax Block: 4670
Borough Code: BX
E-No: E-279
Effective Date: 10/5/2011
Satisfaction Date: Not reported
Ceqr Number: 11DCP148X
Ulurp Number: 110384ZMX
Zoning Map No: 1d 2a 2b

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

D34 **CONSOLIDATED EDISON** **MANIFEST** **S112140429**
South **EAST GUN HILL RD & BRONXWOOD** **N/A**
< 1/8 **BRONX, NY 11451**
0.099 mi.
525 ft. **Site 7 of 16 in cluster D**

Relative:
Lower

Actual:
88 ft.

NY MANIFEST:
EPA ID: NYP004251906
Country: USA
Location Address 1: EAST GUN HILL RD & BRONXWOOD
Location Address 2: Not reported
Location City: BRONX
Location State: NY
Location Zip Code: 11451

CONSOLIDATED EDISON (Continued) **S112140429**

Location Zip Code 4: Not reported

Mailing Info:

Name:	CONSOLIDATED EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	04/20/2012
Trans1 Recv Date:	04/20/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/23/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004251906
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	Not reported
Quantity:	450.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	9.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003203395FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

D35 **RITE AID #3858** **RCRA-LQG 1014926972**
South **901 E GUN HILL RD** **MANIFEST NYR000187617**
< 1/8 **BRONX, NY 10469**
0.100 mi.
527 ft. **Site 8 of 16 in cluster D**

Relative:
Lower

Actual:
90 ft.

RCRA-LQG:

Date form received by agency:	05/10/2013
Facility name:	RITE AID #3858
Facility address:	901 E GUN HILL RD BRONX, NY 10469

RITE AID #3858 (Continued) **1014926972**

EPA ID: NYR000187617
Mailing address: HUNTER LANE
CAMP HILL, PA 17011
Contact: STEPHANIE A CAIATI
Contact address: HUNTER LANE
CAMP HILL, PA 17011
Contact country: US
Contact telephone: (717) 730-8225
Contact email: SSCAIATI@RITEAID.COM
EPA Region: 02
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: RITE AID
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/07/1996
Owner/Op end date: Not reported

Owner/operator name: RITE AID OF NEW YORK INC
Owner/operator address: HUNTER LANE
CAMP HILL, PA 17011
Owner/operator country: US
Owner/operator telephone: (717) 761-2633
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/07/1996
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

RITE AID #3858 (Continued) **1014926972**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Historical Generators:
Date form received by agency: 11/04/2011
Site name: RITE AID #3858
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: P001

RITE AID #3858 (Continued) **1014926972**

. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYR000187617
Country: USA
Location Address 1: 901 E GUN HILL RD
Location Address 2: Not reported
Location City: BRONX
Location State: NY
Location Zip Code: 10469
Location Zip Code 4: Not reported

Mailing Info:
Name: RITE AID #3858
Contact: RITE AID #3858
Address: 901 E GUN HILL RD
City/State/Zip: BRONX, NY 10469
Country: USA
Phone: 718-231-6677

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: CTD983872698
Trans2 State ID: NJR000063677
Generator Ship Date: 06/02/2014
Trans1 Recv Date: 06/02/2014
Trans2 Recv Date: 06/05/2014
TSD Site Recv Date: 06/11/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000187617
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: INR000110197
Waste Code: Not reported
Quantity: 4
Units: P - Pounds
Number of Containers: 1
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 1
Year: 2014
Manifest Tracking Num: 006427600FLE
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N

BORING #1

DEPTH FT.	SPOON BLOWS PER 1'/2 FT	HOLLOW STEM AUGER	MATERIAL
GROUND SURFACE			EL +1.0'
			Black Top & Stones
5.0'	9 43 8 7		FILL-SAND, GRAVEL, RED BRICK CLASS 7
8.5'	15 14 28 50		
10.0'	42 60		MICA SCHIST ROCK 1D
15.0'	DRILLED FROM 10.0' TO 20.0' PCS 1-4 (Fragments)		
20.0'			MICA SCHIST ROCK 1C

BORING #1A

DEPTH FT.	SPOON BLOWS PER 1'/2 FT	HOLLOW STEM AUGER	MATERIAL
GROUND SURFACE			EL +1.5'
	18 15 13 28		Black Top
2.5'	19 36		FILL-FINE SAND & SILT CLASS 7
5.0'	23 20 24 28		MEDIUM TO FINE SAND, GRAVEL, TRACE SILT SF 3A
10.0'	50 31 13 17		
10.5'	100		Mica Schist Rock
	REFUSAL		

BORING #2

DEPTH FT.	SPOON BLOWS PER 1'/2 FT	HOLLOW STEM AUGER	MATERIAL
GROUND SURFACE			EL +1.5'
			Black Top & Stones
	20 18 15 14		
	13 20 60 113		FILL-GRAVEL, STONES, SILT, WOOD CLASS 7
5.0'	105 31 24 32		
9.0'	13 7 8 15		
10.0'	12 15 28 53		FINE SAND, MICA FLAKES, ROCK FRAGMENTS, SOME SILT SM 3A
15.0'	64 53 20 50		
16.5'	60		WEATHERED ROCK 1D
17.5'	DRILLED FROM 17.5' TO 22.0' PCS 5-9 (Fragments)		
20.0'			MICA SCHIST ROCK 1C
22.0'			

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES
1	2		3	4
COARSE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE THE SMALLEST PARTICLE VISIBLE TO THE NAKED EYE	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	CLEAN GRAVELS (LITTLE OR NO FINES)	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.
			GP	POORLY GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURE
			GC	CLAYEY GRAVELS, GRAVEL SAND-CLAY MIXTURES.
	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE	CLEAN SANDS (LITTLE OR NO FINES)	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
			SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)	SM	SILTY SANDS, SAND-SILT MIXTURES
			SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE NOTE: THE NO. 200 SIEVE SIZE IS ABOUT	SILTS & CLAYS LIQUID LIMIT IS LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY SILTS WITH SLIGHT PLASTICITY.
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY.
	SILTS & CLAYS LIQUID LIMIT IS GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS.
			CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS			PT	PEAT AND OTHER HIGHLY ORGANIC SOILS

ENGINEERING INSPECTION

BORINGS WERE INSPECTED UNDER THE SUPERVISION OF:
DAVID W. WASHINGTON Ph. D., P.E. ALONG WITH
CHARLES W. WASHINGTON, ENG.

DATES OF FIELD WORK:
07/29/2013
09/03/2013

STATE OF NEW YORK
DAVID W. WASHINGTON
LICENSED PROFESSIONAL ENGINEER
066891
P.E. PROFESSIONAL ENGR.

THIS REPORT SOLELY REFLECTS INFORMATION FROM THE BORING LOGS PROVIDED BY ACE BORING INC., IN CONJUNCTION WITH THE LIMITED SOILS EXPOSED AT THE SITE, AND THEREFORE CANNOT ASSURE ACCURACY BEYOND THE LIMITS OF THE OBTAINED DATA OF THE SOIL PROFILE. IN ADDITION, THE SCOPE OF THIS REPORT DOES NOT INCLUDE THE DESIGN OF THE FOUNDATION NOR DOES IT INCLUDE OR ENDORSE ANY INFORMATION PROVIDED BY OTHER TESTING LABS OR CONTRACTORS INVOLVED IN THIS PROJECT. THIS REPORT IS SUBMITTED WITH SPECIFIC UNDERSTANDING THAT THE SOLE LIABILITY OF ACE BORING INC., ITS ENGINEERS AND EMPLOYEES FOR ERRORS AND OMISSIONS IS LIMITED TO THE AMOUNT OF THE FEE PAID FOR THIS REPORT. THE USE OF THIS REPORT WILL CONSTITUTE AN ACCEPTANCE BY THE CLIENT OF THE DISCLAIMER, THE FEE CHARGED FOR THIS REPORT IS PREDICATED UPON THIS LIMITATION OF LIABILITY WHICH IS THE ESSENCE OF THIS AGREEMENT, IF THESE TERMS ARE NOT ACCEPTABLE THEN THE CLIENT MUST NOTIFY ACE BORING INC., IN WRITING BY CERTIFIED MAIL, WITH A RETURN RECEIPT REQUESTED WITHIN FIVE (5) DAYS. ACE BORING INC., ITS ENGINEERS AND EMPLOYEES DO NOT ACCEPT ANY LIABILITY OR RESPONSIBILITY FOR PERSONS, OTHER THAN THE CLIENT FOR WHOM THIS WORK WAS DIRECTLY PREPARED, AND ANY SUCH PERSON, FIRM OR CORPORATION RELIES ON THIS REPORT AT HIS OWN RISK.

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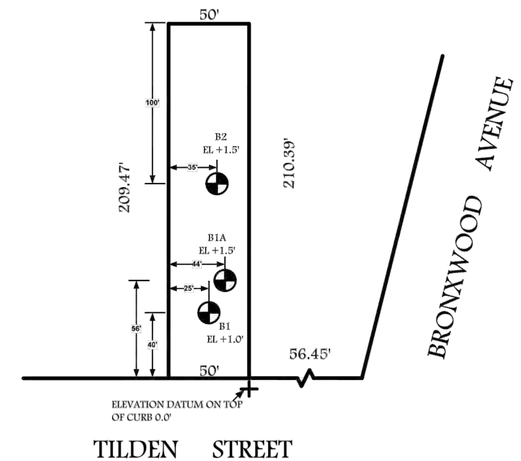

SEE WATER NOTES

BORING CONTRACTOR'S CERTIFICATIONS

ACE BORING INC. CERTIFIES AS TO THE ACCURACY OF THE SPOON AND CASING BLOWS AND ELEVATIONS AND METHOD OF BORING.

THE FOLLOWING EQUIPMENT WAS USED:

EQUIPMENT -
SPRAGUE & HENWOOD MODEL 30 40CL
ACKER MODEL RGT LD NXB
CME 55 CME 45
TYPE OF CORE BARRELS AND DIAMOND BITS:

	SIZE	O.D.	CORE DIAMETERS
☐	AX	1-7/8"	1-1/8"
☐	BX	2-3/8"	1-5/8"
☐	NX	2-15/16"	2-1/8"
☐	AXM	1-7/8"	1-1/8"
☐	NXM	2-15/16"	2-1/8"
☐	B	2"	1 - 3/8"

WEIGHT OF HAMMERS:
300 LBS. ON 2.5" CASING - 18" DROP
140 LBS. ON 2" SPOON - 30" DROP
SPOON - SPLIT SAMPLER - 2" O.D. - 1-3/8" I.D. (24" LONG)
WATER ENCOUNTERED NONE
WATER NOTED ON PRINT IS ONLY THE FIRST INDICATION OF WATER.
FOR EXACT RESULTS CALL FOR CUR WELL POINT TEST. ELEVATIONS ARE TAKEN FROM AN ASSUMED DATUM OF 0.0' AS NOTED ON PLOT PLAN; IF NOT SUPPLIED BY OWNER.

BORING LOCATIONS ON TRACING NOT DRAWN TO SCALE UNLESS DIRECTED.

CLIENT:
ALMAT GROUP, LLC.

BORING LOG ——— PLOT PLAN

JOB LOCATION: 839-841 TILDEN STREET
BRONX, NY
BLOCK 4671 LOT 3 & 4

DRAWN BY: GM DATE: 09-04-2014
SCALE: 1"=40'
CKD. DW APPR.

64554

NOTE: ALL RECOVERED SAMPLES/CORES WILL BE RETAINED FOR UP TO SIXTY (60) DAYS, AT WHICH TIME THE SAMPLES WILL BE DISCARDED UNLESS DIRECTED OTHERWISE.

ACE BORING INC.

EXECUTIVE OFFICE: 167-20 120TH AVENUE P.O. BOX 340187, JAMAICA, NEW YORK, 11434-0957
PHONE: (718) 525-5295 FAX: (718) 658-3976

LONG ISLAND NEW YORK (516)561-2175	5 BOROS OF NEW YORK (718)525-5295	WESTCHESTER NEW YORK (914)764-4266

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.

REVISION	NO.	DESC.

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

DRAWING TITLE
TEST BORING

DATE: 02.09.2015
PROJ NO: 3033
SCALE:
DWG NO: AS102
SHEET OF

NYC DOB NUMBER
####

2/10/2015 1:45:37 PM g:\jobs\2013\13033 839 tilden street\drawings\schematic\revised 2015\sheets\as102 test boring.dwg

RITE AID #3858 (Continued) **1014926972**

Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	PAD982661381
Generator Ship Date:	02/13/2015
Trans1 Recv Date:	02/13/2015
Trans2 Recv Date:	03/02/2015
TSD Site Recv Date:	03/09/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	Not reported
Quantity:	7
Units:	P - Pounds
Number of Containers:	1
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2015
Manifest Tracking Num:	007394986FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	PAD982661381
Generator Ship Date:	02/13/2015
Trans1 Recv Date:	02/13/2015
Trans2 Recv Date:	03/02/2015
TSD Site Recv Date:	03/09/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

RITE AID #3858 (Continued) **1014926972**

TSDF ID:	PAD085690592
Waste Code:	Not reported
Quantity:	0.01
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2015
Manifest Tracking Num:	007394986FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJR000063677
Generator Ship Date:	11/12/2014
Trans1 Recv Date:	11/12/2014
Trans2 Recv Date:	11/21/2014
TSD Site Recv Date:	12/01/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID040098352
Waste Code:	Not reported
Quantity:	12
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	007267024FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

RITE AID #3858 (Continued) **1014926972**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJR000063677
Generator Ship Date:	11/12/2014
Trans1 Recv Date:	11/12/2014
Trans2 Recv Date:	11/21/2014
TSD Site Recv Date:	12/01/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID040098352
Waste Code:	Not reported
Quantity:	0.01
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	007267024FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJR000063677
Generator Ship Date:	08/28/2014
Trans1 Recv Date:	08/28/2014
Trans2 Recv Date:	08/28/2014
TSD Site Recv Date:	09/03/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID040098352
Waste Code:	Not reported
Quantity:	0.01
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1

RITE AID #3858 (Continued) **1014926972**

Year:	2014
Manifest Tracking Num:	007248710FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJR000063677
Generator Ship Date:	08/28/2014
Trans1 Recv Date:	08/28/2014
Trans2 Recv Date:	08/28/2014
TSD Site Recv Date:	09/03/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID040098352
Waste Code:	Not reported
Quantity:	5
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	007248710FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	NJD054126164
Generator Ship Date:	03/12/2014
Trans1 Recv Date:	03/12/2014

RITE AID #3858 (Continued) **1014926972**

Trans2 Recv Date:	03/20/2014
TSD Site Recv Date:	03/24/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	0.01
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	006441793FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	NJD054126164
Generator Ship Date:	03/12/2014
Trans1 Recv Date:	03/12/2014
Trans2 Recv Date:	03/20/2014
TSD Site Recv Date:	03/24/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	7
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	006441793FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

RITE AID #3858 (Continued) **1014926972**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	NJD054126164
Generator Ship Date:	03/12/2014
Trans1 Recv Date:	03/12/2014
Trans2 Recv Date:	03/20/2014
TSD Site Recv Date:	03/24/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	4
Units:	P - Pounds
Number of Containers:	1
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	006441793FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJR000063677
Generator Ship Date:	06/02/2014
Trans1 Recv Date:	06/02/2014
Trans2 Recv Date:	06/05/2014
TSD Site Recv Date:	06/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported

RITE AID #3858 (Continued) **1014926972**

Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	0.01
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	006427600FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	PAD982661381
Generator Ship Date:	02/13/2015
Trans1 Recv Date:	02/13/2015
Trans2 Recv Date:	03/02/2015
TSD Site Recv Date:	03/09/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2015
Manifest Tracking Num:	007394986FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

RITE AID #3858 (Continued) **1014926972**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: CTD983872698
Trans2 State ID: NJD054126164
Generator Ship Date: 11/03/2012
Trans1 Recv Date: 11/03/2012
Trans2 Recv Date: 11/05/2012
TSD Site Recv Date: 11/09/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000187617
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: INR000110197
Waste Code: Not reported
Quantity: 3.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2012
Manifest Tracking Num: 005410965FLE
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: CTD983872698
Trans2 State ID: NJD054126164
Generator Ship Date: 11/03/2012
Trans1 Recv Date: 11/03/2012
Trans2 Recv Date: 11/05/2012
TSD Site Recv Date: 11/09/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000187617
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: INR000110197
Waste Code: Not reported
Quantity: 2.0
Units: P - Pounds
Number of Containers: 1.0

RITE AID #3858 (Continued) **1014926972**

Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005410965FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJD054126164
Generator Ship Date:	11/03/2012
Trans1 Recv Date:	11/03/2012
Trans2 Recv Date:	11/05/2012
TSD Site Recv Date:	11/09/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005410965FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698

RITE AID #3858 (Continued) **1014926972**

Trans2 State ID:	NJD054126164
Generator Ship Date:	10/05/2013
Trans1 Recv Date:	10/05/2013
Trans2 Recv Date:	10/11/2013
TSD Site Recv Date:	10/18/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	0.01
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005429480FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJD054126164
Generator Ship Date:	10/05/2013
Trans1 Recv Date:	10/05/2013
Trans2 Recv Date:	10/11/2013
TSD Site Recv Date:	10/18/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005429480FLE
Import Ind:	N

RITE AID #3858 (Continued) **1014926972**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJD054126164
Generator Ship Date:	10/05/2013
Trans1 Recv Date:	10/05/2013
Trans2 Recv Date:	10/11/2013
TSD Site Recv Date:	10/18/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	3
Units:	P - Pounds
Number of Containers:	1
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005429480FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJR000063677
Generator Ship Date:	02/01/2013
Trans1 Recv Date:	02/01/2013
Trans2 Recv Date:	02/12/2013
TSD Site Recv Date:	02/20/2013
Part A Recv Date:	Not reported

RITE AID #3858 (Continued) **1014926972**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005194313FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJR000063677
Generator Ship Date:	02/01/2013
Trans1 Recv Date:	02/01/2013
Trans2 Recv Date:	02/12/2013
TSD Site Recv Date:	02/20/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000187617
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005194313FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

RITE AID #3858 (Continued) **1014926972**

Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

D36 **CONSOLIDATED EDISON** **MANIFEST** **1009241844**
South **BRONXWOOD AVE & GUN HILL RD** **N/A**
< 1/8 **BRONX, NY**
0.101 mi.
534 ft. **Site 9 of 16 in cluster D**

Relative:
Lower

Actual:
88 ft.

NY MANIFEST:
EPA ID: NYP004103784
Country: USA
Location Address 1: BRONXWOOD AVE & GUN HILL RD
Location Address 2: Not reported
Location City: BRONX
Location State: NY
Location Zip Code: Not reported
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: FRANKLIN MURRAY
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: NYE0460818
Manifest Status: Not reported
Trans1 State ID: SM1709
Trans2 State ID: Not reported
Generator Ship Date: 10/20/2002
Trans1 Recv Date: 10/20/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/21/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004103784
Trans1 EPA ID: NYD006982359
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity: 00363
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYE1277289
Manifest Status: Not reported
Trans1 State ID: 60913AX

CONSOLIDATED EDISON (Continued) **1009241844**

Trans2 State ID:	Not reported
Generator Ship Date:	10/20/2002
Trans1 Recv Date:	10/20/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/22/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004103784
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00087
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2002

D37 **MANHOLE 15405** **NY Spills** **S106008499**
South **E.GUN HILL RD & BRONXWOOD** **N/A**
< 1/8 **BRONX, NY**
0.101 mi.
534 ft. **Site 10 of 16 in cluster D**

Relative:
Lower

Actual:
88 ft.

SPILLS:

Facility ID:	0207474
Facility Type:	ER
DER Facility ID:	219078
Site ID:	268975
DEC Region:	2
Spill Date:	10/18/2002
Spill Number/Closed Date:	0207474 / 2/3/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	AERODRIG
Referred To:	Not reported
Reported to Dept:	10/18/2002
CID:	322
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/18/2002
Spill Record Last Update:	2/5/2003
Spiller Name:	MARK SCHLAGEL
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	001

MANHOLE 15405 (Continued) **S106008499**

Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"Con Ed e2mis #145627:18-October-2002 12:41 Hrs. Flush Mechanic Orlando Negron, 18400, reports while preparing to flush manhole 15405, feeder 5x41, located on the southside of East Gunhill Road 190 feet west of the west corner of Bronxwood Avenue, finding 2 pints of dielectric fluid spilled in the manhole and 1 gallon of water in the structures sump contained in the manhole (the sump has been concreted). No fire or smoke is was involved. No sewers, waterways, or private property affected. No injuries involved. Environmental tag No. 32932 applied. Sample taken (COC - CC05769) and is on route to ChemLab. Cleanup pending test results. Tanker requested for midnight shift, and flush crew has been scheduled for cleanup. Spill being tracked as 24 hr deminimis.18-October-2002 13:21 Hrs.CIG Larry Costa 13880 contacted at 13:18 Hrs.18-Oct.-2002 21:50hrs.Astoria Chem Lab. Tech reports via telephone that the preliminary result of the oil sample is 701ppm. PCB. ERT. B. Pierre # 85932 and CIG. M. Schlagel # 18276 notified. This cleanup has been changed from a 24hr. diminimis to a splill, pending resources.18-Oct.-2002 22:22hrs.Consolidated EdisonEnvironment, Health and Safety ChemLabNELAP NY Lab ID No: 10380Lab Sequence Number: 02-09779-001 Date Approved: 10/18/2002Date Received: 10/18/2002Chain of Custody ID: CC05769 Date Sampled: 10/18/2002Submitter: ORLANDO NEGRONJob Site: S/S GUNHILL RD 190'WWC BRONXWOOD AVEEmail To: NEGRONO@coned.com|EA-ChemLabReports|BX-WEST-LAB RESULTS|Cc To: BX-WEST-LAB RESULTS|FISCHERL@coned.com|D'ALISERAC@coned.com|MCCABEJA@coned.com|BURNSRA@coned.com|PCB Analysis by EPA 608/8082MATRIX: OIL GRABLOCATION: S/S GUNHILL RD 190'WWC BRONXWOOD AVESTRUCTURE: MANHOLE 15405 QC ID: 03-200210092236Aroclor 1242 < 1.0 ppm EPA 608/8082Aroclor 1254 < 1.0 ppm EPA 608/8082Aroclor 1248 700.7 ppm EPA 608/8082Aroclor 1260 < 1.0 ppm EPA 608/8082TOTAL PCB 701 ppm20-Oct.-2002 04:45 hrs.Environmental Flush Mechanic J. Maloney # 05863 reports that the Astoria CFS. Tanker removed a total of 200 gallons of liquid from the manhole. The manhole was double washed with the flush flush truck and all liquids removed with the CFS tanker. One 55 gallon drum of hazardous waste was generated and removed from the location with the CFS. barrel truck, initial cleanup completed. The environmental yellow tag will remain in place until the grid sampling has been completed. Crew on location J. Maloney# 05863, M. Williams # 83739.23-Oct-2002 10:15hrs.The following are lab results from wipe samples:Page # Lab Sequence number Results1 02-09865 - 001 2 ug/100cm^22 02-09865 - 002 3 ug/100cm^23 02-09865 - 003 1 ug/cm100^24 02-09865 - 014 <1 ug/cm100^25 02-09865 - 004 10ug/cm100^26 02-09865 - 005 9ug/cm100^27 02-09865 - 006 6ug/cm100^28 02-09865 - 007 3ug/cm100^29 02-09865 - 008 <1ug/cm100^210 02-09865 - 014 <1 ug/cm100^211 02-09865 - 009 <1ug/cm100^212 02-09865 - 010 4ug/cm100^213 02-09865 - 011 7ug/cm100^214 02-09865 - 012 3ug/cm100^215 02-09865 - 013 2ug/cm100^216 02-09865 - 014 <1 ug/cm100^217 02-09865 - 015 2ug/cm100^218 02-09865 - 016 <1 ug/cm100^219 02-09865 - 017 <1 ug/cm100^220 02-09865 - 018 2ug/cm100^221 02-09865 - 019 <1 ug/cm100^222 02-09865 - 020 <1 ug/cm100^223 02-09865 - 021 <1 ug/cm100^224-Oct-2002 10:35hrs.Operating Supervisor J. McVey # 88755 reports that he pulled the yellow Environmental tag # 32932. based on the above lab. sample

MANHOLE 15405 (Continued) **S106008499**

results, Cleanup complete.
Remarks: results of sample is greater than 700 ppm of pcb & crew notavailable for clean up - coming off 24 hour programcon ed #145627

Material:
Site ID: 268975
Operable Unit ID: 860300
Operable Unit: 01
Material ID: 518060
Material Code: 0541A
Material Name: DIELECTRIC FLUID
Case No.: Not reported
Material FA: Petroleum
Quantity: 1
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

D38 **LOT 22,TAXBLOCK 4635** **E DESIGNATION** **S111377876**
South **900 EAST GUN HILL ROAD** **N/A**
< 1/8 **BRONX, NY**
0.102 mi.
541 ft. **Site 11 of 16 in cluster D**

Relative:
Lower

Actual:
88 ft.

E DESIGNATION:
Tax Lot(s): 22
Tax Block: 4635
Borough Code: Not reported
E-No: E-279
Effective Date: 10/5/2011
Satisfaction Date: Not reported
Ceqr Number: 11DCP148X
Ulurp Number: 110384ZMX
Zoning Map No: 1d 2a 2b

Description: Air Quality - #2 Fuel Oil or Natural Gas for heating, ventilating and air conditioning systems
Lot Remediation Date: Not reported

Description: Exhaust stack location limitations
Lot Remediation Date: Not reported

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

D39 **CLEAN & FRESH/CIMA CLEANERS** **DRYCLEANERS** **S110246234**
South **902 EAST GUN HILL ROAD** **N/A**
< 1/8 **BRONX, NY 10469**
0.103 mi.
546 ft. **Site 12 of 16 in cluster D**

Relative: **Lower**

Actual: **88 ft.**

DRYCLEANERS:

Facility ID:	2-6002-00429
Phone Number:	718-231-1331
Region:	Not reported
Registration Effective Date:	7/22/2002 11:02:56:866
Inspection Date:	07MAR19
Install Date:	99/02
Drop Shop:	Not reported
Shutdown:	Not reported
Alternate Solvent:	Not reported
Current Business:	Not reported

D40 **EDR US Hist Cleaners** **1015104467**
South **902 E GUN HILL RD** **N/A**
< 1/8 **BRONX, NY 10469**
0.103 mi.
546 ft. **Site 13 of 16 in cluster D**

Relative: **Lower**

Actual: **88 ft.**

EDR Historical Cleaners:

Name:	CIMA CLEANERS
Year:	2001
Address:	902 E GUN HILL RD
Name:	CIMA CLEANERS 1
Year:	2008
Address:	902 E GUN HILL RD
Name:	CIMA CLEANERS
Year:	2010
Address:	902 E GUN HILL RD
Name:	CIMA CLEANERS 1
Year:	2011
Address:	902 E GUN HILL RD
Name:	CIMA CLEANERS 1
Year:	2012
Address:	902 E GUN HILL RD

D41 **LOT 24,TAXBLOCK 4635** **E DESIGNATION** **S111377879**
South **908 EAST GUN HILL ROAD** **N/A**
< 1/8 **BRONX, NY**
0.106 mi.
560 ft. **Site 14 of 16 in cluster D**

Relative: **Lower**

Actual: **88 ft.**

E DESIGNATION:

Tax Lot(s):	24
Tax Block:	4635
Borough Code:	Not reported
E-No:	E-279
Effective Date:	10/5/2011
Satisfaction Date:	Not reported

LOT 24,TAXBLOCK 4635 (Continued) **S111377879**

Ceqr Number: 11DCP148X
Ulurp Number: 110384ZMX
Zoning Map No: 1d 2a 2b

Description: Air Quality - #2 Fuel Oil or Natural Gas for heating, ventilating and air conditioning systems
Lot Remediation Date: Not reported

Description: Exhaust stack location limitations
Lot Remediation Date: Not reported

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

D42
South
< 1/8
0.107 mi.
565 ft.

Relative:
Lower

Actual:
88 ft.

LOT 26,TAXBLOCK 4635 **E DESIGNATION** **S111377894**
910 EAST GUN HILL ROAD **N/A**
BRONX, NY

Site 15 of 16 in cluster D

E DESIGNATION:
Tax Lot(s): 26
Tax Block: 4635
Borough Code: Not reported
E-No: E-279
Effective Date: 10/5/2011
Satisfaction Date: Not reported
Ceqr Number: 11DCP148X
Ulurp Number: 110384ZMX
Zoning Map No: 1d 2a 2b

Description: Air Quality - #2 Fuel Oil or Natural Gas for heating, ventilating and air conditioning systems
Lot Remediation Date: Not reported

Description: Exhaust stack location limitations
Lot Remediation Date: Not reported

D43
South
< 1/8
0.109 mi.
574 ft.

Relative:
Lower

Actual:
89 ft.

LOT 28,TAXBLOCK 4635 **E DESIGNATION** **S111377909**
914 EAST GUN HILL ROAD **N/A**
BRONX, NY

Site 16 of 16 in cluster D

E DESIGNATION:
Tax Lot(s): 28
Tax Block: 4635
Borough Code: Not reported
E-No: E-279
Effective Date: 10/5/2011
Satisfaction Date: Not reported
Ceqr Number: 11DCP148X
Ulurp Number: 110384ZMX
Zoning Map No: 1d 2a 2b

Description: Air Quality - #2 Fuel Oil or Natural Gas for heating, ventilating and

LOT 28,TAXBLOCK 4635 (Continued) **S111377909**

air conditioning systems
Lot Remediation Date: Not reported

Description: Exhaust stack location limitations
Lot Remediation Date: Not reported

44
ENE
< 1/8
0.113 mi.
598 ft.

935 E 214TH ST
935 E 214TH ST
BRONX, NY

NY Spills **S108297462**
N/A

Relative:
Higher

Actual:
131 ft.

SPILLS:

Facility ID:	0611394
Facility Type:	ER
DER Facility ID:	325624
Site ID:	376030
DEC Region:	2
Spill Date:	1/13/2007
Spill Number/Closed Date:	0611394 / 1/16/2007
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	0301
Investigator:	VSZHUNE
Referred To:	Not reported
Reported to Dept:	1/13/2007
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/13/2007
Spill Record Last Update:	1/16/2007
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	DERRICK NEMDHARD
Contact Phone:	(718) 798-2821
DEC Memo:	01/13/07 Closed-Zhune called the homeowner Derrick Nemdhard ph:718-7982821 He said Petro Oil is on site doing the work. He put Carlos Machuca on from Petro Oil. Carlos said He closed and changed the old oil line . He put a new overhead line. The old oil line was buried in cement. He excavated few centimeters to find the oil line but it was still on cement. He did not see soil contamination.
Remarks:	Did a test on the line and it appears that there is a leak underground as the pipe is in cement, so it is not seen

Material:

Site ID:	376030
Operable Unit ID:	1133640
Operable Unit:	01

935 E 214TH ST (Continued) **S108297462**

Material ID:	2123459
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

H45 **LOT 5,TAXBLOCK 4670** **E DESIGNATION** **S111378073**
SW **801 EAST GUN HILL ROAD** **N/A**
< 1/8 **BRONX, NY**
0.113 mi.
599 ft. **Site 1 of 7 in cluster H**

Relative:
Lower

Actual:
91 ft.

E DESIGNATION:

Tax Lot(s):	5
Tax Block:	4670
Borough Code:	Not reported
E-No:	E-279
Effective Date:	10/5/2011
Satisfaction Date:	Not reported
Ceqr Number:	11DCP148X
Ulurp Number:	110384ZMX
Zoning Map No:	1d 2a 2b
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

H46 **EVANDER CHILDS HS (425)** **HIST UST** **U001840900**
SW **800 EAST GUN HILL ROAD** **N/A**
< 1/8 **BRONX, NY 10467**
0.115 mi.
607 ft. **Site 2 of 7 in cluster H**

Relative:
Lower

Actual:
91 ft.

HIST UST:

PBS Number:	2-478601
SPDES Number:	Not reported
Emergency Contact:	SCHOOL SAFETY
Emergency Telephone:	(212) 979-3300
Operator:	PLANT OPERATOR
Operator Telephone:	(718) 391-6000
Owner Name:	NYC BOARD OF EDUCATION
Owner Address:	28-11 QUEENS PLAZA NORTH
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101

EVANDER CHILDS HS (425) (Continued) **U001840900**

Owner Telephone:	(718) 391-6832
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Name:	BOARD OF EDUCATION
Mailing Address:	28-11 QUEENS PLAZA NORTH
Mailing Address 2:	5TH FLOOR
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Contact:	FRANK CARDELLO NTROL
Mailing Telephone:	(718) 391-6832
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	SCHOOL
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	12/15/1999
Expiration Date:	12/01/2004
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	40000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	20000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported

EVANDER CHILDS HS (425) (Continued) **U001840900**

Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	20000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

H47 **EVANDER CHILDS H.S.** **RCRA-LQG** **1000555149**
SW **800 GUN HILL RD** **MANIFEST** **NYD986976561**
< 1/8 **BRONX, NY 10467**
0.115 mi.
607 ft. **Site 3 of 7 in cluster H**

Relative:
Lower

Actual:
91 ft.

RCRA-LQG:

Date form received by agency:	04/30/2008
Facility name:	EVANDER CHILDS H.S.
Facility address:	800 GUN HILL RD BRONX, NY 10467
EPA ID:	NYD986976561
Mailing address:	GUN HILL RD BRONX, NY 10467
Contact:	C DUFFY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(718) 231-5357
Contact email:	Not reported
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste

EVANDER CHILDS H.S. (Continued) **1000555149**

during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	NYC DEPT OF GENERAL SERVICES
Owner/operator address:	1 CENTER ST SUITE 1800 NEW YORK, NY 10007
Owner/operator country:	Not reported
Owner/operator telephone:	(212) 669-8709
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NYCBOE
Owner/operator address:	GUN HILL RD BRONX, NY 10467
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported

Owner/operator name:	NYC DEPT OF ED
Owner/operator address:	GUN HILL RD BRONX, NY 10467
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No

EVANDER CHILDS H.S. (Continued) **1000555149**

Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: LABP
. Waste name: LAB PACK

Historical Generators:
Date form received by agency: 06/19/2007
Site name: EVANDER CHILDS HIGH SCHOOL
Classification: Large Quantity Generator

Date form received by agency: 06/18/2007
Site name: EVANDER CHILDS HIGH SCHOOL
Classification: Large Quantity Generator

Date form received by agency: 01/01/2006
Site name: NYC DGS EVANDER CHILDS HIGH SCHOOL
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: NYC DGS EVANDER CHILDS HIGH SCHOOL
Classification: Not a generator, verified

Date form received by agency: 10/15/1996
Site name: NYC DGS EVANDER CHILDS HIGH SCHOOL
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYD986976561
Country: USA
Location Address 1: 800 GUN HILL RD
Location Address 2: Not reported
Location City: BRONX
Location State: NY

EVANDER CHILDS H.S. (Continued) **1000555149**

Location Zip Code: 10467
Location Zip Code 4: Not reported

Mailing Info:
Name: NY CIYT DEPT OF ED/EVANDER CHILDS HS
Contact: EVANDER CHILDS HS
Address: 44-36 VERNON BLVD
City/State/Zip: LONG ISLAND CITY, NY 11101
Country: USA
Phone: 914-861-6384

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: MAC300016672
Trans2 State ID: Not reported
Generator Ship Date: 09/04/2014
Trans1 Recv Date: 09/04/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/09/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD986976561
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: Not reported
Quantity: 145
Units: K - Kilograms (2.2 pounds)
Number of Containers: 8
Container Type: BA - Burlap, plastic, paper bags
Handling Method: L Landfill.
Specific Gravity: 1
Year: 2014
Manifest Tracking Num: 006916959FLE
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: Y
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD986938645
Trans2 State ID: PAD146714878
Generator Ship Date: 03/31/2009
Trans1 Recv Date: 03/31/2009
Trans2 Recv Date: 04/29/2009
TSD Site Recv Date: 04/30/2009

EVANDER CHILDS H.S. (Continued) **1000555149**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	Not reported
Quantity:	450.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	005538925JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986938645
Trans2 State ID:	PAD046714878
Generator Ship Date:	07/02/2009
Trans1 Recv Date:	07/02/2009
Trans2 Recv Date:	07/07/2009
TSD Site Recv Date:	07/08/2009
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	Not reported
Quantity:	450.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	005538963JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

EVANDER CHILDS H.S. (Continued) **1000555149**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAC300016672
Trans2 State ID:	NYD982792814
Generator Ship Date:	09/19/2013
Trans1 Recv Date:	09/19/2013
Trans2 Recv Date:	09/26/2013
TSD Site Recv Date:	10/02/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD048415665
Waste Code:	Not reported
Quantity:	100
Units:	P - Pounds
Number of Containers:	4
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	004163528FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H040

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	10/03/2007
Trans1 Recv Date:	10/03/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000

EVANDER CHILDS H.S. (Continued) **1000555149**

Waste Code:	Not reported
Quantity:	20
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697795JJK
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	09/14/2007
Trans1 Recv Date:	09/14/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/17/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	30
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002072959JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

EVANDER CHILDS H.S. (Continued) **1000555149**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	10/03/2007
Trans1 Recv Date:	10/03/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	20
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697795JJK
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	10/03/2007
Trans1 Recv Date:	10/03/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	20
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1

EVANDER CHILDS H.S. (Continued) **1000555149**

Year:	2007
Manifest Tracking Num:	002697795JJK
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	10/03/2007
Trans1 Recv Date:	10/03/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	20
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697795JJK
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	10/03/2007
Trans1 Recv Date:	10/03/2007

EVANDER CHILDS H.S. (Continued) **1000555149**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	60
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697795JJK
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	10/03/2007
Trans1 Recv Date:	10/03/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	60
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697795JJK
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N

EVANDER CHILDS H.S. (Continued) **1000555149**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	10/03/2007
Trans1 Recv Date:	10/03/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	20
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697795JJK
Import Ind:	N
Export Ind:	Y
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	09/21/2007
Trans1 Recv Date:	09/21/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported

EVANDER CHILDS H.S. (Continued) **1000555149**

Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697870JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	09/21/2007
Trans1 Recv Date:	09/21/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	15
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697870JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

EVANDER CHILDS H.S. (Continued) **1000555149**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD049178296
Trans2 State ID: Not reported
Generator Ship Date: 09/21/2007
Trans1 Recv Date: 09/21/2007
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/16/2007
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD986976561
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: CDX480000000
Waste Code: Not reported
Quantity: 5
Units: P - Pounds
Number of Containers: 1
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 1
Year: 2007
Manifest Tracking Num: 002697870JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD049178296
Trans2 State ID: Not reported
Generator Ship Date: 09/21/2007
Trans1 Recv Date: 09/21/2007
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/16/2007
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD986976561
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: CDX480000000
Waste Code: Not reported
Quantity: 15
Units: P - Pounds
Number of Containers: 1

EVANDER CHILDS H.S. (Continued) **1000555149**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697870JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	09/21/2007
Trans1 Recv Date:	09/21/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697870JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296

EVANDER CHILDS H.S. (Continued) **1000555149**

Trans2 State ID:	Not reported
Generator Ship Date:	09/21/2007
Trans1 Recv Date:	09/21/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697870JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	09/21/2007
Trans1 Recv Date:	09/21/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697870JJK
Import Ind:	N

EVANDER CHILDS H.S. (Continued) **1000555149**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD049178296
Trans2 State ID:	Not reported
Generator Ship Date:	09/21/2007
Trans1 Recv Date:	09/21/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/16/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986976561
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CDX480000000
Waste Code:	Not reported
Quantity:	40
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	002697870JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

H48 **EVANDER CHILDS HS (X425)** **AST** **U004078266**
SW **800 EAST GUN HILL ROAD** **N/A**
< 1/8 **BRONX, NY 10467**
0.115 mi.
607 ft. **Site 4 of 7 in cluster H**

Relative:
Lower

Actual:
91 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-478601

EVANDER CHILDS HS (X425) (Continued) **U004078266**

Program Type:	PBS
UTM X:	595899.25277000002
UTM Y:	4525600.7509599999
Expiration Date:	12/01/2019
Site Type:	School

Affiliation Records:

Site Id:	21278
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY DEP. OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	MUNENDRA SHARMA
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5751
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NTFREEMA
Date Last Modified:	2/3/2015

Site Id:	21278
Affiliation Type:	Mail Contact
Company Name:	NEW YORK CITY DEP. OF EDUCATION
Contact Type:	Not reported
Contact Name:	MUNENDRA SHARMA
Address1:	FIELD OPERATIONS-FUEL DIVISION
Address2:	44-36 VERNON BOULEVARD
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5752
EMail:	MSHARMA@SCHOOLS.NYC.GOV
Fax Number:	Not reported
Modified By:	NTFREEMA
Date Last Modified:	2/3/2015

Site Id:	21278
Affiliation Type:	On-Site Operator
Company Name:	EVANDER CHILDS HS (X425)
Contact Type:	Not reported
Contact Name:	GUY TEDALDI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 231-5357
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NTFREEMA
Date Last Modified:	1/22/2015

EVANDER CHILDS HS (X425) (Continued) **U004078266**

Site Id:	21278
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY DEP. OF EDUCATION
Contact Type:	Not reported
Contact Name:	KEN MAHADEO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 210-7918
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	3/26/2015

Tank Info:

Tank Number:	001
Tank Id:	38538
Material Code:	0002
Common Name of Substance:	#4 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	05/01/1949
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NTFREEMA
Last Modified:	01/22/2015
Material Name:	#4 Fuel Oil (On-Site Consumption)

Tank Number:	002
Tank Id:	38539

EVANDER CHILDS HS (X425) (Continued) **U004078266**

Material Code: 0002
Common Name of Substance: #4 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 05/01/1949
Capacity Gallons: 20000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: NTFREEMA
Last Modified: 01/22/2015
Material Name: #4 Fuel Oil (On-Site Consumption)

Tank Number: 003
Tank Id: 254292

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 05/01/1949
Capacity Gallons: 275
Tightness Test Method: NN

EVANDER CHILDS HS (X425) (Continued) **U004078266**

Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NTFREEMA
Last Modified:	01/22/2015
Material Name:	#2 Fuel Oil (On-Site Consumption)

H49 **MANHOLE 15404** **NY Spills** **S111835420**
SW **BARNES AVE & GUNHILL RD** **N/A**
< 1/8 **BRONX, NY**
0.115 mi.
608 ft. **Site 5 of 7 in cluster H**

Relative:
Lower

Actual:
91 ft.

SPILLS:

Facility ID:	1200283
Facility Type:	ER
DER Facility ID:	417326
Site ID:	462904
DEC Region:	2
Spill Date:	4/10/2012
Spill Number/Closed Date:	1200283 / 5/10/2012
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	4/10/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/10/2012
Spill Record Last Update:	5/10/2012
Spiller Name:	ERT
Spiller Company:	CON EDISON
Spiller Address:	BARNES AVE & GUNHILL RD
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	999
Contact Name:	ERT
Contact Phone:	(212) 580-8383
DEC Memo:	5/10/12 - Austin - 6 gals. of dielectric fluid from unk. source found in manhole - Con Ed contained and cleaned up the spill - See eDocs files for further information - Spill closed - end
Remarks:	Unknown oil found in sump of manhole. Cleanup is pending.

Material:

Site ID:	462904
Operable Unit ID:	1213012
Operable Unit:	01
Material ID:	2210888

MANHOLE 15404 (Continued) **S111835420**

Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

H50 **CONSOLIDATED EDISON - MH 15404** **MANIFEST** **S112140384**
SW **BARNES AVE & GUN HILL RD** **N/A**
< 1/8 **BRONX, NY 10580**
0.115 mi.
608 ft. **Site 6 of 7 in cluster H**

Relative:
Lower

Actual:
91 ft.

NY MANIFEST:

EPA ID:	NYP004251419
Country:	USA
Location Address 1:	BARNES AVE & GUN HILL RD
Location Address 2:	Not reported
Location City:	BRONX
Location State:	NY
Location Zip Code:	10580
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CONSOLIDATED EDISON - MH 15404
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD039322250
Trans2 State ID:	Not reported
Generator Ship Date:	04/11/2012
Trans1 Recv Date:	04/12/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/13/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004251419
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	MAD053452637
Waste Code:	Not reported
Quantity:	345.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1.0

CONSOLIDATED EDISON - MH 15404 (Continued) **S112140384**

Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004815619FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

H51 **BRONXWOOD HOME** **AST** **A100175711**
SW **799 E. GUNHILL ROAD** **N/A**
< 1/8 **BRONX, NY 10467**
0.116 mi.
611 ft. **Site 7 of 7 in cluster H**

Relative: **Lower**

Actual: **91 ft.**

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-605463
Program Type:	PBS
UTM X:	595872.93802999996
UTM Y:	4525628.2771399999
Expiration Date:	03/22/2016
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	27331
Affiliation Type:	Facility Owner
Company Name:	BRONXWOOD HOME
Contact Type:	AGENT
Contact Name:	LESTER STAR
Address1:	799 EAST GUNHILL ROAD
Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10467
Country Code:	001
Phone:	(718) 881-9100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/28/2011

Site Id:	27331
Affiliation Type:	Mail Contact
Company Name:	BRONXWOOD HOME FOR THE AGED, INC.
Contact Type:	Not reported
Contact Name:	SAM HOROWITZ
Address1:	799 EAST GUN HILL ROAD

BRONXWOOD HOME (Continued) **A100175711**

Address2:	Not reported
City:	BRONX
State:	NY
Zip Code:	10467
Country Code:	001
Phone:	(718) 881-9100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	3/28/2006

Site Id:	27331
Affiliation Type:	On-Site Operator
Company Name:	BRONXWOOD HOME
Contact Type:	Not reported
Contact Name:	WILLY BEER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 881-9100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	27331
Affiliation Type:	Emergency Contact
Company Name:	BRONXWOOD HOME
Contact Type:	Not reported
Contact Name:	SLAWIK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 881-9100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	01
Tank Id:	59916
Material Code:	0002
Common Name of Substance:	#4 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I05 - Overfill - Vent Whistle

BRONXWOOD HOME (Continued) **A100175711**

J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
G99 - Tank Secondary Containment - Other
K00 - Spill Prevention - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1999
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	02/28/2011
Material Name:	#4 Fuel Oil (On-Site Consumption)

I52 **LOT 133,TAXBLOCK 4635** **E DESIGNATION** **S117675871**
South **934 EAST GUN HILL ROAD** **N/A**
< 1/8 **BRONX, NY 10469**
0.119 mi.
628 ft. **Site 1 of 3 in cluster I**

Relative:
Lower

Actual:
89 ft.

E DESIGNATION:

Tax Lot(s):	133
Tax Block:	4635
Borough Code:	BX
E-No:	E-279
Effective Date:	10/5/2011
Satisfaction Date:	Not reported
Ceqr Number:	11DCP148X
Ulurp Number:	110384ZMX
Zoning Map No:	1d 2a 2b
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported
Description:	Air Quality - #2 Fuel Oil or Natural Gas for heating, ventilating and air conditioning systems
Lot Remediation Date:	Not reported
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported

I53 **MTA NYCT - GUN HILL ROAD STATION** **RCRA NonGen / NLR** **1001233100**
South **934 E GUN HILL RD** **FINDS** **NYR000062075**
< 1/8 **BRONX, NY 10469** **MANIFEST**
0.119 mi.
628 ft. **Site 2 of 3 in cluster I**

Relative:
Lower

Actual:
89 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	MTA NYCT - GUN HILL ROAD STATION
Facility address:	934 E GUN HILL RD BRONX, NY 10469
EPA ID:	NYR000062075
Mailing address:	JAY ST ROOM 819 BROOKLYN, NY 11201
Contact:	HOWARD MATZA
Contact address:	JAY ST ROOM 819 BROOKLYN, NY 11201
Contact country:	US
Contact telephone:	(718) 243-4301
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MTA NEW YORK CITY TRANSIT
Owner/operator address:	370 JAY ST ROOM 819 BROOKLYN, NY 11201
Owner/operator country:	US
Owner/operator telephone:	(718) 243-4581
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MTA NEW YORK CITY TRANSIT
Owner/operator address:	370 JAY ST ROOM 819 BROOKLYN, NY 11201
Owner/operator country:	US
Owner/operator telephone:	(718) 243-4581
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

MTA NYCT - GUN HILL ROAD STATION (Continued) **1001233100**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: MTA NYCT - GUN HILL ROAD STATION
Classification: Not a generator, verified

Date form received by agency: 10/15/1998
Site name: MTA NYCT - GUN HILL ROAD STATION
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110004547820

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000062075
Country: USA
Location Address 1: 934 EAST GUNHILL RD
Location Address 2: Not reported
Location City: BROOK
Location State: NY
Location Zip Code: Not reported
Location Zip Code 4: Not reported

Mailing Info:
Name: NYCTA
Contact: ROY PARDEE JR.
Address: 130 LIVINGSTON STREET-RM 8007
City/State/Zip: BROOKLYN, NY 11201
Country: USA
Phone: 718-243-4581

Manifest:

Document ID: NJA2986851
Manifest Status: Not reported
Trans1 State ID: S5811

MTA NYCT - GUN HILL ROAD STATION (Continued) **1001233100**

Trans2 State ID:	Not reported
Generator Ship Date:	12/02/1998
Trans1 Recv Date:	12/02/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/02/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000062075
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	01440
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	1998

Document ID:	NJA2986809
Manifest Status:	Not reported
Trans1 State ID:	ES5811
Trans2 State ID:	Not reported
Generator Ship Date:	11/25/1998
Trans1 Recv Date:	11/25/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/25/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000062075
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	05640
Units:	P - Pounds
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	1998

54
SSW
< 1/8
0.121 mi.
637 ft.

MANHOLE #15407
GUNHILL RD & BRONXWOOD AV
NEW YORK CITY, NY

NY Spills **S103938777**
N/A

Relative:
Lower

Actual:
90 ft.

SPILLS:

Facility ID:	9903439
Facility Type:	ER
DER Facility ID:	158696
Site ID:	190190
DEC Region:	2
Spill Date:	6/24/1999
Spill Number/Closed Date:	9903439 / 7/27/1999

MANHOLE #15407 (Continued) **S103938777**

Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	6/24/1999
CID:	246
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/24/1999
Spill Record Last Update:	6/7/2000
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, NY
Spiller Company:	999
Contact Name:	RICHARD ROACH
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"Con ed e2mis notes:Approx 1 qt oil and 20 gals water. Plates show a sewer connection. It is clog or packed because water did not go down spill contained.Took 1 sample.Sample type: water, 1254, <1.00 ppmJune 25, 1999 under 50 tanker ordered for the morning shift.kJune 25, 1999 08:30: cleanup complete at 03:30Tag was pulled.
Remarks:	1 QT UNK OIL ON 20 GAL OF WATER IN MANHOLE. SAMPLE TAKEN CLEANUP PENDING RESULTS #125757

Material:

Site ID:	190190
Operable Unit ID:	1082364
Operable Unit:	01
Material ID:	303356
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

I55
South
< 1/8
0.121 mi.
641 ft.

LOT 34,TAXBLOCK 4635
938 EAST GUN HILL ROAD
BRONX, NY

Site 3 of 3 in cluster I

E DESIGNATION **S111377958**
N/A

Relative:
Lower

Actual:
89 ft.

E DESIGNATION:

Tax Lot(s):	34
Tax Block:	4635
Borough Code:	Not reported
E-No:	E-279
Effective Date:	10/5/2011
Satisfaction Date:	Not reported
Ceqr Number:	11DCP148X
Ulurp Number:	110384ZMX
Zoning Map No:	1d 2a 2b
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported
Description:	Air Quality - #2 Fuel Oil or Natural Gas for heating, ventilating and air conditioning systems
Lot Remediation Date:	Not reported
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported

56
North
1/8-1/4
0.126 mi.
666 ft.

UNKNOWN
861 E 215TH ST
BRONX, NY

LTANKS **S105997901**
N/A

Relative:
Higher

Actual:
121 ft.

LTANKS:

Site ID:	270709
Spill Number/Closed Date:	0210301 / 7/29/2005
Spill Date:	11/1/2002
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	RJCOZZY
Referred To:	Not reported
Reported to Dept:	1/13/2003
CID:	365
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/13/2003
Spill Record Last Update:	7/29/2005
Spiller Name:	CHARLES MILLER
Spiller Company:	Not reported
Spiller Address:	861 E 215TH ST
Spiller City,St,Zip:	BRONX, NY

UNKNOWN (Continued) **S105997901**

Spiller County:	001
Spiller Contact:	CHARLES MILLER
Spiller Phone:	(718) 231-9462
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	220371
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"01/13/2003 - Small portion of wood which is on top of the concrete basement floor impacted due to the spill. jz1/14/03 TJDSite inspected. 275 AST leaking for a period of several months. At time of inspection tank was empty and positioned on its horizontal axis standing upright. Significant petroleum contamination of floors, walls and possible subsurface contamination. Basement has a raised wood floor situated a few inches above concrete slab. Flooring is heavily stained and petroleum saturated. Wood framed walls and paneling in basement have "wicked" up petroleum from floor to an approximate height of 3 foot above floor. Strong petroleum vapors inside one family detached structure. Century star oil company on site to install new tank without performing any cleanup. DEC inspector required clean-up prior to new tank installation. Homeowner put on temporary tank (55 gal drum). No cleanup has been arranged. Insurance adjuster to inspect residence 1/15. Unknown if homeowner has coverage. 7/29/05 CozzyHomeowner's insurance company hired ERM to investigate/cleanup spill. ERM submitted a report documenting the removal of over 1500 tons of fuel oil contaminated debris (concrete/wood) and 120-55 gallon drums of contaminated soil from the basement and an additional 10.63 tons of contaminated soil from the adjacent alleyway. End point samples from the basement were acceptable and a water sample from the bottom of the alleyway excavation showed low concentrations of petroleum VOCs. No further action letter sent on July 29, 2005 and spill closed.1/28/03 TJDMr. Miller has called to request authorization to install new 275 AST at his residence prior to performing any spill cleanup or remediation. He has been on a temporary tank for 2+ weeks and has run out of oil on several occassions and his pipes have frozen. Mr. Miller has verbally committed to obtain an environmental contractor to remove contaminated debris and investigate potential impacts to sub-surface. If necessary Mr. Miller has stated he will temporarilly move new tank to remediate soils beneath it. At request of Mr. Miller Demeo contacted Century Star Oil (General Manager Terry Garber)and requested that they contact Mr. Miller to install new tank. Awaiting information on contractor performing cleanup.2/27/03 TJDJake Elder - ERM called today regarding site. ERM has been retained by Insurance company to evaluate impacts to determine if remediation will be covered by Insurance. ERM is using geoprobe in an attempt to collect groundwater sample. As of 11:30 AM (2) sampling points were attempted both hit refusal at approximately 15 feet. Petroleum saturated soils reported to be present at the property boundary. Jake Elder to notify DEC regarding Insurance Company's decission to cover remedial work.
Remarks:	caller smelled oil several months ago & noticed oil leaked from his tank in his basement - he called monta bello oil co - they responded & looked at it but never did anything - he now has century star on scene changing the tank

Material:

Site ID:	270709
Operable Unit ID:	863522

UNKNOWN (Continued) **S105997901**

Operable Unit:	01
Material ID:	513690
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

G57 **850 EAST 215TH ST/BX** **NY Spills** **S102146064**
North **850 EAST 215TH STREET** **N/A**
1/8-1/4 **NEW YORK CITY, NY**
0.129 mi.
681 ft. **Site 3 of 3 in cluster G**

Relative:
Higher

Actual:
116 ft.

SPILLS:

Facility ID:	9009722
Facility Type:	ER
DER Facility ID:	163664
Site ID:	196612
DEC Region:	2
Spill Date:	12/7/1990
Spill Number/Closed Date:	9009722 / 12/26/1990
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	0301
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	12/7/1990
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Citizen
Cleanup Ceased:	12/26/1990
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/12/1990
Spill Record Last Update:	3/7/1991
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE" / / : .12/26/90: OWNER HAD TANK CLEANED & CLOSED, NO CONTAMINATION.

850 EAST 215TH ST/BX (Continued) **S102146064**

Remarks: PRODUCT COMING UP TANK BASEMENT FLOOR, HOME HAS GAS HEAT, OIL NOTICABLE 3FT FROM BOILER, MAYBE HEATING OIL, CALLER CLAIMS ITS SMELLS LIKE DIESEL,OWNER HAD TANK CLEANED & CLOSED.

Material:
Site ID: 196612
Operable Unit ID: 946753
Operable Unit: 01
Material ID: 429923
Material Code: 0008
Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: -1
Units: Not reported
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

J58 **EDR US Hist Cleaners** **1015094805**
WSW **771 E GUN HILL RD** **N/A**
1/8-1/4 **BRONX, NY 10467**
0.153 mi.
810 ft. **Site 1 of 2 in cluster J**

Relative:
Lower

Actual:
91 ft.

EDR Historical Cleaners:
Name: BOBS LAUNDROMAT
Year: 2010
Address: 771 E GUN HILL RD

Name: BARBS LAUNDRY
Year: 2011
Address: 771 E GUN HILL RD

Name: BARBS LAUNDRY
Year: 2012
Address: 771 E GUN HILL RD

K59 **LOT 47,TAXBLOCK 4660** **NY Spills** **S103560664**
WNW **3560 CARLISLE PLACE** **E DESIGNATION** **N/A**
1/8-1/4 **BRONX, NY**
0.156 mi.
826 ft. **Site 1 of 3 in cluster K**

Relative:
Higher

Actual:
111 ft.

SPILLS:
Facility ID: 9414570
Facility Type: ER
DER Facility ID: 175486
Site ID: 211767
DEC Region: 2
Spill Date: 2/4/1995
Spill Number/Closed Date: 9414570 / 12/12/2005
Spill Cause: Other

LOT 47,TAXBLOCK 4660 (Continued) **S103560664**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	2/4/1995
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/13/1995
Spill Record Last Update:	12/12/2005
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGLEHARDT"2/4/95, 1340 hrs: O'Dowd (initial responder) - Spoke to Mr. Cribbin. He said it would be all cleaned up by today.2/6/95: Tranferred from O'Dowd to Engelhardt.Update 12/12/05Pole 11182 was re-inspected on 10/28/05 and found to be clean with no leaking equipment. (SKA)
Remarks:	POLE CAME DOWN WITH TRANSFORMER, HIT VEHICLE. NO CONTACT WITH SEWERS BUT IS ON SNOW AND ON VEHICLE.

Material:

Site ID:	211767
Operable Unit ID:	1008151
Operable Unit:	01
Material ID:	373306
Material Code:	0016A
Material Name:	NON PCB OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	211767
Operable Unit ID:	1008151
Operable Unit:	01
Material ID:	373307
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds

LOT 47,TAXBLOCK 4660 (Continued) **S103560664**

Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

E DESIGNATION:
Tax Lot(s): 47
Tax Block: 4660
Borough Code: Not reported
E-No: E-279
Effective Date: 10/5/2011
Satisfaction Date: Not reported
Ceqr Number: 11DCP148X
Ulurp Number: 110384ZMX
Zoning Map No: 1d 2a 2b

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

L60 **IN FRONT OF** **NY Spills** **S109943435**
SE **1000 EAST 211TH ST.** **N/A**
1/8-1/4 **BRONX, NY**
0.163 mi.
862 ft. **Site 1 of 2 in cluster L**

Relative:
Lower

Actual:
92 ft.

SPILLS:
Facility ID: 0907198
Facility Type: ER
DER Facility ID: 368748
Site ID: 419688
DEC Region: 2
Spill Date: 9/25/2009
Spill Number/Closed Date: 0907198 / 12/30/2009
Spill Cause: Abandoned Drums
Spill Class: Not reported
SWIS: 0301
Investigator: vszhune
Referred To: Not reported
Reported to Dept: 9/25/2009
CID: Not reported
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Local Agency
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 9/25/2009
Spill Record Last Update: 1/14/2010
Spiller Name: Not reported
Spiller Company: unk
Spiller Address: Not reported
Spiller City,St,Zip: NY

IN FRONT OF (Continued) **S109943435**

Spiller Company: 999
Contact Name: ANDREW KELLY
Contact Phone: (347) 672-6077
DEC Memo: 09/26/09- Zhune responded to this site. Spoke to Bervely Simmons a neighbor. She gave inforamtion of Mr. Mike (person that put the tank outside the street. She also walked me where he lives (907 East 211, Bronx NY 10469). Mike said that this tank does not belongs to him. He said Mr. Devon from Classique Iron Works(347-589-4490) left the tank outside my house. he said that when police inspectedhis basement and asked for the tank he said that he removed his tank two days before. The Fire Departemnt. DEP and Police Department gave him a ticket.Zhune tried to contact Mr. Devon but as soon as he heard that NYSDEC was calling he hanged up the phone. The 275 gallons tank and a bag are in front of Mr. Mike house in the middle of the block. In the corner there are oil spill cover with sand and a lot of oil in the sewer drain.09/28/09- Zhune called Mike to set up a basement's inspection. He said Wednesneday at 4:00pm is ok for me.09/26/09- ECO Eric R. Dowling and Zhune inspected the site. The oil spilled in the catch Basin was cleaned by Demicco Bros Incorporation (718) 892-365. Rahman 347- 723-2134 said They are cleaning the catch basins becouse inspection is going to be done tomorow by DDC.The tank that was left on the street in front of Michael house was removed by Classique Iron Works as per Michael. Dowling and Zhune went to the place where Mike said that the tank was brought. Found a 275 gallons tank. The owner said that they use this tank to discharge oil from the cars. The tank looks like the tank that was left in front of Mike house.
10/28/09-Vought-Primary off hours responder. Received call from Spills Hotline for this spill number that they were contacted by Beverly Simmons 646- 872-3465 with respect to oil impact to the sump. Vought called and left message to return call but none received to date. Vought referred case to DEC Zhune as she was project manager of this spill.10/30/09- Zhune called ECO Eric he said he has no chance to go to the site11/30/09-Zhune called ECO Eric he said he has no chance to go to the site. He said that probably tomorrow he will go. He will give me a call.12/01/09- Zhune. Received an e-mail from ECO Eric. Today I visited the site where we saw the oil tank. There was no registration for it on site, however the business there is a welding shop, not a mechanic shop. Without any solid proof that it is the same tank that was in the street I have no case against them for disposing the oil. The only violations I could defend in court would be the violations against Mike, who had the spill in his backyard. If you want me to issue him summonses then I can, but he was cooperative with us and he did ultimately clean up his yard. See spill # 0907242. Spill Closed
Remarks: Related to spill #0907242abandon 250 gallon drum wuith 80 gallons of black oil inside; some oil was discovered in catch basin; sewer maintanence was notified to clean catch basin; tank removal is unknown at this time; DEP # 184924859UPDATED ADDRESS

Material:
Site ID: 419688
Operable Unit ID: 1175711
Operable Unit: 01
Material ID: 2168342
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum

IN FRONT OF (Continued) **S109943435**

Quantity: Not reported
Units: Not reported
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:

M61 **EDR US Hist Auto Stat** **1015629835**
NW **770 E 214TH ST** **N/A**
1/8-1/4 **BRONX, NY 10467**
0.165 mi.
872 ft. **Site 1 of 2 in cluster M**

Relative:
Higher

Actual:
117 ft.

EDR Historical Auto Stations:

Name: JIMBO AUTO REPAIR
Year: 2002
Address: 770 E 214TH ST

Name: BUNNYS AUTO REPAIR
Year: 2003
Address: 770 E 214TH ST

Name: JIMBO AUTO REPAIR
Year: 2006
Address: 770 E 214TH ST

Name: JIMBO AUTO REPAIR
Year: 2007
Address: 770 E 214TH ST

Name: JIMBO AUTO REPAIR
Year: 2008
Address: 770 E 214TH ST

Name: JIMBO AUTO REPAIR
Year: 2009
Address: 770 E 214TH ST

Name: JIMBO AUTO REPAIR
Year: 2010
Address: 770 E 214TH ST

L62 **1010 EAST 211TH** **NY Spills** **S109943471**
SE **1010 EAST 211TH** **N/A**
1/8-1/4 **BRONX, NY**
0.173 mi.
913 ft. **Site 2 of 2 in cluster L**

Relative:
Lower

Actual:
91 ft.

SPILLS:

Facility ID: 0907242
Facility Type: ER
DER Facility ID: 368795
Site ID: 419742
DEC Region: 2

1010 EAST 211TH (Continued) **S109943471**

Spill Date:	9/26/2009
Spill Number/Closed Date:	0907242 / 8/12/2010
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	vszhune
Referred To:	Not reported
Reported to Dept:	9/28/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/28/2009
Spill Record Last Update:	8/12/2010
Spiller Name:	Not reported
Spiller Company:	MICHAEL HANCHARD
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	MICHAEL HANCHARD
Contact Phone:	(954) 235-3584
DEC Memo:	Related to spill #0907198Sangesland spoke to Michael Hanchard. Today's spill has to do with his old tank he pulled out of his basement and pulled into his back yard. The tank is broken and spilled oil in the basement and the back yard.The spill a few days ago (#0907198) was going to be a replacement tank Michael bought. When they delivered this tank he found it was an old used tank which still had oil in it. It then fell off the truck and broke on the street/sidewalk. Michael said it was not his tank and he did not know where it came from.09/28/09- ECO Eric R. Dowling and Zhune inpected the basement. Michael said that his oil tank was leaking. Boris Welding & Boiler Repair put the tank in the back yard to cut it and remove it causing the spill in the back yard. Soil is impacted Mr. Green from a scrap metal company took the tank out. Michael said he got an offer from a guy down his block to buy a tank and replaced his old tank. They brought the tank but he found out the tank was with oil and it was not in good shape he decided not to buy it. They dumped the oil in the sewer drain and the tank was left in from of his house. He gave me the fallowing information of the guy who brought the tank;Classique Iron Works Ph: 347-589-4490150- South Terr, Mount Vernon, NY 10550Name Devon nick name IndianMichael called to say that ABC tank will come tomorrow at 8:00am to do the clean up.08/12/10-Zhune. ABC Tank sent the report dated July 6, 2010. On september 26, 2009, ABC Tank was informed that the owner customer placed a 275 gallon oil storage tank in this yard. The tank tipped over and leaked into the ground.September 30, 2009 to November 10, 2009- ABC Tank dug up the contaminated area (20'x 14'x 6" deep) and disposed of (13) drums of contaminated soil. After digging and drumming all contaminated soil, ABC tank obtained 2 end-point and (1) midpoint samples from the area in questions.The analytical results

1010 EAST 211TH (Continued) **S109943471**

indicate not detected VOC's for the three samples (left, right and middle). SVOC's (Benzo(a)pyrene, Benzo(a)anthracene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, were exceeding the RSCOs. Spill Closed.

Remarks: INTERIOR TANK FAILED; LOST FUEL.

Material:

Site ID:	419742
Operable Unit ID:	1175756
Operable Unit:	01
Material ID:	2168391
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

J63 **LOT 75,TAXBLOCK 4659** **NY Spills** **S102238453**
West **725 TILDEN STREET** **E DESIGNATION** **N/A**
1/8-1/4 **BRONX, NY 10467**
0.176 mi.
931 ft. **Site 2 of 2 in cluster J**

Relative:
Lower

Actual:
95 ft.

SPILLS:

Facility ID:	9511540
Facility Type:	ER
DER Facility ID:	181247
Site ID:	219168
DEC Region:	2
Spill Date:	12/12/1995
Spill Number/Closed Date:	9511540 / 12/12/1995
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	12/12/1995
CID:	311
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/12/1995
Spill Record Last Update:	1/29/1996
Spiller Name:	ROBERT CABASSA

LOT 75,TAXBLOCK 4659 (Continued) **S102238453**

Spiller Company:	MB TRUCKING
Spiller Address:	320 COSTER ST
Spiller City,St,Zip:	BRONX, NY 10474-
Spiller Company:	001
Contact Name:	OLGA SHELTON
Contact Phone:	(718) 655-5537
DEC Memo:	Not reported
Remarks:	PETRO CALLED BY TRUCKING COMPANY AND ADVISED THAT AN OVERFILL HADOCCURRED AT THE ABOVE ADDRESS. PRODUCT IS BEING CLEANED UP BYCONTRACTOR.

Material:

Site ID:	219168
Operable Unit ID:	1025758
Operable Unit:	01
Material ID:	358870
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

E DESIGNATION:

Tax Lot(s):	75
Tax Block:	4659
Borough Code:	BX
E-No:	E-279
Effective Date:	10/5/2011
Satisfaction Date:	Not reported
Ceqr Number:	11DCP148X
Ulurp Number:	110384ZMX
Zoning Map No:	1d 2a 2b
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

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64 **213212; 216 ST AND BRONXWOOD AVE** **NY Spills** **S110306486**
NNE **216 ST AND BRONXWOOD AVE** **N/A**
1/8-1/4 **NEW YORK, NY**
0.177 mi.
932 ft.

Relative:
Higher

Actual:
143 ft.

SPILLS:

Facility ID:	0814379
Facility Type:	ER
DER Facility ID:	386339
Site ID:	432543

213212; 216 ST AND BRONXWOOD AVE (Continued) **S110306486**

DEC Region:	2
Spill Date:	8/18/2008
Spill Number/Closed Date:	0814379 / 8/19/2008
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	DMPOKRZY
Referred To:	Not reported
Reported to Dept:	12/31/2008
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/16/2010
Spill Record Last Update:	4/16/2010
Spiller Name:	ERT DESK
Spiller Company:	CON EDISON
Spiller Address:	5030 BROADWAY
Spiller City,St,Zip:	New York, NY
Spiller Company:	001
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	Not reported
Remarks:	Not reported

Material:

Site ID:	432543
Operable Unit ID:	1183604
Operable Unit:	01
Material ID:	2177792
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

N65
East
1/8-1/4
0.179 mi.
943 ft.

1009 E 213TH ST
BRONX, NY 10469

Site 1 of 4 in cluster N

EDR US Hist Auto Stat **1015123793**
N/A

Relative:
Higher

Actual:
110 ft.

EDR Historical Auto Stations:
Name: P & A METAL CNSTRCTN & AUTO BO
Year: 2005
Address: 1009 E 213TH ST

66
ESE
1/8-1/4
0.179 mi.
947 ft.

SPILL NUMBER 0300590
1019 EAST 212TH STREET
BRONX, NY

NY Spills **S106013717**
N/A

Relative:
Lower

Actual:
100 ft.

SPILLS:

Facility ID:	0301224
Facility Type:	ER
DER Facility ID:	127167
Site ID:	149505
DEC Region:	2
Spill Date:	5/3/2003
Spill Number/Closed Date:	0301224 / 5/5/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	5/3/2003
CID:	204
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/3/2003
Spill Record Last Update:	5/5/2003
Spiller Name:	FRANCINE CLODAMAR
Spiller Company:	1019 EAST 212TH STREET
Spiller Address:	1019 EAST 212TH STREET
Spiller City,St,Zip:	BRONX, NY 10469-
Spiller Company:	001
Contact Name:	CHRIS PARK
Contact Phone:	(516) 686-2042
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
Remarks:	BAD FILL PIPE

Material:

Site ID:	149505
Operable Unit ID:	869254
Operable Unit:	01
Material ID:	509280

SPILL NUMBER 0300590 (Continued) **S106013717**

Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0300590
Facility Type:	ER
DER Facility ID:	127167
Site ID:	231951
DEC Region:	2
Spill Date:	4/16/2003
Spill Number/Closed Date:	0300590 / 4/16/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	4/16/2003
CID:	297
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/16/2003
Spill Record Last Update:	4/16/2003
Spiller Name:	FRANCINE CLODOMAR
Spiller Company:	CLODOMAR RESIDENCE
Spiller Address:	1019 EATS 212TH ST
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	001
Contact Name:	CARMELLA DETURRIS
Contact Phone:	(718) 628-3351
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"4/16/2003 - Zhao/DO spoke with the owner and confirmed there is no spill inside the house.
Remarks:	CALLER STATES THERE IS A PROBLEM WITH THE TANK VENT AND APPROX 1/2 GALLON OF FUEL SPRAYED BACK OUT OF THE VENT DURING FUELING - DRIVER DID CLEAN UP PRODUCT OUTSIDE, BUT THE HOMEOWNER WOULD NOT LET HIM IN TO CHECK FOR A SPILL IN THE BASEMENT

Material:

Site ID:	231951
Operable Unit ID:	868823

SPILL NUMBER 0300590 (Continued) **S106013717**

Operable Unit:	01
Material ID:	508670
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

67
SSE
1/8-1/4
0.180 mi.
950 ft.

SPILL NUMBER 0306255 **LTANKS** **S105999882**
3362 COLDEN AVE **N/A**
BRONX, NY

Relative:
Lower

Actual:
86 ft.

LTANKS:

Site ID:	285123
Spill Number/Closed Date:	0306255 / 9/19/2003
Spill Date:	9/12/2003
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	9/12/2003
CID:	418
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/12/2003
Spill Record Last Update:	9/19/2003
Spiller Name:	JUDITH BROWN
Spiller Company:	Not reported
Spiller Address:	3362 COLDEN AVE
Spiller City,St,Zip:	BRONX, ZZ
Spiller County:	001
Spiller Contact:	JUDITH BROWN
Spiller Phone:	(718) 652-4704
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	231206
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"Sangesland spoke iwth Joe Mancusi of Atlas Oil. He said the owner called him to say there was a puddle of oil under her tank.

SPILL NUMBER 0306255 (Continued) **S105999882**

Joe said there was a small leak with a small puddle. He put down speedie dry and left numbers for Eastmond and Tank Dr. with Judith Brown (homeowner)Sangesland called Judith Brown. She said Eastmond was coming tomorrow (Saturday 9/13) and Tank Dr. was coming on Monday. One of them will replace the tank.Confirm that the work was done before closing out the spill. 9/19/2003 Homeowner said the tank was replaced earlier this week.Spill Closed

Remarks: caller states that the customer contacted you regarding a leak from the side of the tank. A service tech is at the scene and has begun some clean up (DRYS_ALL). The ho0meowner has been given numbers to contact the tank company

Material:

Site ID:	285123
Operable Unit ID:	872835
Operable Unit:	01
Material ID:	503492
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

O68 **MAN HOLE 15409** **NY Spills** **S111239162**
SSE **SOUTH EAST CORNER PAULDING AVE AND EAST GUNHILL RD** **N/A**
1/8-1/4 **BRONX, NY**
0.184 mi.
971 ft. **Site 1 of 6 in cluster O**

Relative:
Lower

Actual:
85 ft.

SPILLS:

Facility ID:	1107999
Facility Type:	ER
DER Facility ID:	410283
Site ID:	455711
DEC Region:	2
Spill Date:	9/22/2011
Spill Number/Closed Date:	1107999 / 1/12/2012
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	9/22/2011
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False

MAN HOLE 15409 (Continued) **S111239162**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/22/2011
Spill Record Last Update:	1/12/2012
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Company:	Not reported
Contact Name:	ERT
Contact Phone:	(212) 580-8383
DEC Memo:	1/12/12 - Austin - 1 quart of a "heavy lubicating oil" (had 46 ppm PCB analysis) leaked through duct into manhole - No source was found, but Con Ed contained and cleaned up the spill - See eDocs files for further details - Spill closed - end
Remarks:	spill contained to man hole

Material:

Site ID:	455711
Operable Unit ID:	1205863
Operable Unit:	01
Material ID:	2202822
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.25
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

O69 **CON ED - V 4042** **RCRA NonGen / NLR** **1007205380**
SSE **692 NEPPERHAN AVE N/O LAKE ST** **MANIFEST** **NYP000930362**
1/8-1/4 **YONKERS, NY 10703**
0.184 mi.
972 ft. **Site 2 of 6 in cluster O**

Relative:
Lower

Actual:
85 ft.

RCRA NonGen / NLR:

Date form received by agency:	02/28/1998
Facility name:	CON ED - V 4042
Facility address:	692 NEPPERHAN AVE N/O LAKE ST YONKERS, NY 107030000
EPA ID:	NYP000930362
Mailing address:	CONSOLIDATED EDISON INC 4 IRVING PLACE - ROOM 300 NEW YORK, NY 100030000
Contact:	ANTHONY DRUMMINGS
Contact address:	CONSOLIDATED EDISON INC NEW YORK, NY 100030000
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported

CON ED - V 4042 (Continued) **1007205380**

EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/27/1998
Site name: CON ED - V 4042
Classification: Not a generator, verified

Date form received by agency: 02/26/1998
Site name: CON ED - V 4042
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP000930362
Country: USA
Location Address 1: GUN HILL ROAD AND PAULDING AVE
Location Address 2: Not reported
Location City: BRONX
Location State: NY
Location Zip Code: Not reported
Location Zip Code 4: Not reported

Mailing Info:
Name: NYNEX
Contact: V ORCHIER
Address: 221 EAST 37TH STREET
City/State/Zip: NEW YORK, NY 10016
Country: USA
Phone: 212-338-7126

Manifest:

Document ID: MIA4512911
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 10/02/1996

CON ED - V 4042 (Continued) **1007205380**

Trans1 Recv Date:	10/02/1996
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/25/1996
Part A Recv Date:	/ /
Part B Recv Date:	11/15/1996
Generator EPA ID:	NYP000930362
Trans1 EPA ID:	NYD010951986
Trans2 EPA ID:	NYD046765574
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00800
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	1996

Document ID:	NYG0248553
Manifest Status:	Completed copy
Trans1 State ID:	20856AD
Trans2 State ID:	Not reported
Generator Ship Date:	04/17/1997
Trans1 Recv Date:	04/17/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/18/1997
Part A Recv Date:	05/01/1997
Part B Recv Date:	05/01/1997
Generator EPA ID:	NYP000930362
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	01309
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1997

O70 **MANHOLE 15409** **NY Spills** **S110139909**
SSE **GUN HILL ROAD AND PAULDING AVE** **N/A**
1/8-1/4 **BRONX, NY**
0.184 mi.
972 ft. **Site 3 of 6 in cluster O**

Relative:
Lower

Actual:
85 ft.

SPILLS:

Facility ID:	0911514
Facility Type:	ER
DER Facility ID:	373268
Site ID:	424326
DEC Region:	2
Spill Date:	1/26/2010
Spill Number/Closed Date:	0911514 / 2/23/2010
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

MANHOLE 15409 (Continued) **S110139909**

	Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	Con Ed Unassigned
Referred To:	Not reported
Reported to Dept:	1/26/2010
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/26/2010
Spill Record Last Update:	2/23/2010
Spiller Name:	ERT
Spiller Company:	CON-EDISON
Spiller Address:	128 WEST END AVENUE
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	999
Contact Name:	ERT
Contact Phone:	(212) 580-8383
DEC Memo:	02/23/10 - See eDocs for Con Ed report detailing cleanup and closure.01/27/10-Hiralkumar Patel. spoke with ERT personnel (at 5:40 PM on 01/26/10). oil found dripping inside manhole. currently coned is looking in other manholes in neighbourhood and tracing duct line from where oil dripping.9:54 AM:- spoke with Don (914-925-6219) at environmental desk in Bronx/Westchester. he mentioned that oil was found to be dielectric fluid with 22 ppm PCB and not heating oil or other product. they are currently investigating inside duct.
Remarks:	UNKNOWN OIL FOUND IN MANHOLE COMING OUT OF A DUCT, DOWN WALL ONTO CONCRETE FLOOR. CONTINUING TO LEAK AT APPROX 1 DROP PER MINUTE. CELANUP PENDING.

Material:

Site ID:	424326
Operable Unit ID:	1180109
Operable Unit:	01
Material ID:	2173964
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.13
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

O71 **EDDIE'S/PAUL'S PARK CLEANERS** **DRYCLEANERS** **S110246489**
SSE **1002 EAST GUNHILL ROAD** **N/A**
1/8-1/4 **BRONX, NY 10469**
0.187 mi.
985 ft. **Site 4 of 6 in cluster O**

Relative:
Lower

Actual:
84 ft.

DRYCLEANERS:

Facility ID:	2-6002-00212
Phone Number:	718-882-8684
Region:	Not reported
Registration Effective Date:	11/2/1998
Inspection Date:	07MAY16
Install Date:	85/98
Drop Shop:	Not reported
Shutdown:	Not reported
Alternate Solvent:	Not reported
Current Business:	Not reported

O72 **EDR US Hist Cleaners** **1014966939**
SSE **1002 E GUN HILL RD** **N/A**
1/8-1/4 **BRONX, NY 10469**
0.187 mi.
985 ft. **Site 5 of 6 in cluster O**

Relative:
Lower

Actual:
84 ft.

EDR Historical Cleaners:

Name:	EDDIES PARK CLEANERS
Year:	1999
Address:	1002 E GUN HILL RD
Name:	EDDIES PARK CLEANERS
Year:	2000
Address:	1002 E GUN HILL RD
Name:	EDDIES PARK CLEANERS
Year:	2001
Address:	1002 E GUN HILL RD
Name:	EDDIES PARK CLEANERS
Year:	2002
Address:	1002 E GUN HILL RD
Name:	EDDIES PARK CLEANER
Year:	2004
Address:	1002 E GUN HILL RD
Name:	EDDIES PARK CLEANERS
Year:	2005
Address:	1002 E GUN HILL RD
Name:	EDDIES PARK CLEANERS
Year:	2006
Address:	1002 E GUN HILL RD
Name:	EDDIES PARK CLEANERS
Year:	2007
Address:	1002 E GUN HILL RD
Name:	EDDIES PARK CLEANERS
Year:	2008
Address:	1002 E GUN HILL RD

(Continued) **1014966939**

Name: EDDIES PARK CLEANERS
Year: 2010
Address: 1002 E GUN HILL RD

Name: EDDIES CLEANERS INC
Year: 2011
Address: 1002 E GUN HILL RD

Name: EDDIES CLEANERS INC
Year: 2012
Address: 1002 E GUN HILL RD

O73 **PAULS CLEANERS** **RCRA NonGen / NLR** **1000275300**
SSE **1002 E GUNHILL RD** **MANIFEST** **NYD981185523**
1/8-1/4 **BRONX, NY 10469** **US AIRS**
0.187 mi.
985 ft. **Site 6 of 6 in cluster O**

Relative:
Lower

Actual:
84 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: PAULS CLEANERS
Facility address: 1002 E GUNHILL RD
BRONX, NY 10469
EPA ID: NYD981185523
Mailing address: E GUNHILL RD
BRONX, NY 10469
Contact: Not reported
Contact address: E GUNHILL RD
BRONX, NY 10469
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PAUL HAHN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PAUL HAHN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

PAULS CLEANERS (Continued) **1000275300**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 01/01/2006
- Site name: PAULS CLEANERS
- Classification: Not a generator, verified

- Date form received by agency: 07/14/1999
- Site name: PAULS CLEANERS
- Classification: Small Quantity Generator

- Date form received by agency: 03/17/1986
- Site name: PAULS CLEANERS
- Classification: Large Quantity Generator

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
- Regulation violated: Not reported
- Area of violation: Generators - Manifest
- Date violation determined: 08/10/1989
- Date achieved compliance: 08/10/1989
- Violation lead agency: State
  - Enforcement action: Not reported
  - Enforcement action date: Not reported
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: Not reported
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

PAULS CLEANERS (Continued) **1000275300**

Evaluation Action Summary:
- Evaluation date: 08/10/1989
- Evaluation: NON-FINANCIAL RECORD REVIEW
- Area of violation: Generators - Manifest
- Date achieved compliance: 08/10/1989
- Evaluation lead agency: State

NY MANIFEST:
- EPA ID: NYD981185523
- Country: USA
- Location Address 1: 1002 EAST GUNHILL ROAD
- Location Address 2: Not reported
- Location City: BRONX
- Location State: NY
- Location Zip Code: 10469
- Location Zip Code 4: Not reported

Mailing Info:
- Name: PAULS CLEANERS
- Contact: PAUL M. HAHN
- Address: 1002 EAST GUNHILL ROAD
- City/State/Zip: BRONX, NY 10469
- Country: USA
- Phone: 212-882-8684

Manifest:

- Document ID: NYG0074097
- Manifest Status: Completed copy
- Trans1 State ID: XZ90GR501
- Trans2 State ID: Not reported
- Generator Ship Date: 09/02/1997
- Trans1 Recv Date: 09/02/1997
- Trans2 Recv Date: / /
- TSD Site Recv Date: 09/03/1997
- Part A Recv Date: 10/17/1997
- Part B Recv Date: 09/17/1997
- Generator EPA ID: NYD981185523
- Trans1 EPA ID: NJD000564906
- Trans2 EPA ID: Not reported
- TSDF ID: NYD082785429
- Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
- Quantity: 00080
- Units: P - Pounds
- Number of Containers: 001
- Container Type: DM - Metal drums, barrels
- Handling Method: B Incineration, heat recovery, burning.
- Specific Gravity: 100
- Year: 1997

- Document ID: NJA0216680
- Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
- Trans1 State ID: NJSWAS284
- Trans2 State ID: Not reported
- Generator Ship Date: 07/07/1986
- Trans1 Recv Date: 07/07/1986

PAULS CLEANERS (Continued) **1000275300**

Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/07/1986
Part A Recv Date:	08/08/1986
Part B Recv Date:	07/16/1986
Generator EPA ID:	NYD981185523
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00600
Units:	P - Pounds
Number of Containers:	010
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1986

Document ID:	NYC4411754
Manifest Status:	Completed copy
Trans1 State ID:	NYLP3931
Trans2 State ID:	M0001
Generator Ship Date:	01/03/1997
Trans1 Recv Date:	01/03/1997
Trans2 Recv Date:	01/08/1997
TSD Site Recv Date:	01/09/1997
Part A Recv Date:	02/19/1997
Part B Recv Date:	01/24/1997
Generator EPA ID:	NYD981185523
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	MOD095038998
TSDF ID:	OHD980587364
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1997

Document ID:	NYG0076167
Manifest Status:	Completed copy
Trans1 State ID:	XZ90GR501
Trans2 State ID:	Not reported
Generator Ship Date:	12/02/1997
Trans1 Recv Date:	12/02/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/03/1997
Part A Recv Date:	01/20/1998
Part B Recv Date:	12/18/1997
Generator EPA ID:	NYD981185523
Trans1 EPA ID:	NJD000564906
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV

PAULS CLEANERS (Continued) **1000275300**

Quantity:	00050
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1997

Document ID:	NYC3940345
Manifest Status:	Completed copy
Trans1 State ID:	LP3931NY
Trans2 State ID:	Not reported
Generator Ship Date:	03/27/1996
Trans1 Recv Date:	03/27/1996
Trans2 Recv Date:	04/02/1996
TSD Site Recv Date:	04/03/1996
Part A Recv Date:	04/03/1996
Part B Recv Date:	04/16/1996
Generator EPA ID:	NYD981185523
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	ARD981908551
TSDF ID:	OHD980587364
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1996

Document ID:	NYC4286834
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYLP3931
Trans2 State ID:	OK1645BC
Generator Ship Date:	10/09/1996
Trans1 Recv Date:	10/09/1996
Trans2 Recv Date:	10/11/1996
TSD Site Recv Date:	10/13/1996
Part A Recv Date:	11/08/1996
Part B Recv Date:	11/05/1996
Generator EPA ID:	NYD981185523
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	MOD095038998
TSDF ID:	OHD980587364
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1996

PAULS CLEANERS (Continued) **1000275300**

Document ID:	NYC4191030
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYLP3931
Trans2 State ID:	1643BCOK
Generator Ship Date:	07/17/1996
Trans1 Recv Date:	07/17/1996
Trans2 Recv Date:	07/19/1996
TSD Site Recv Date:	07/20/1996
Part A Recv Date:	08/14/1996
Part B Recv Date:	08/12/1996
Generator EPA ID:	NYD981185523
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	ARD981908551
TSDF ID:	OHD980587364
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1996

Document ID:	NYC3405690
Manifest Status:	Completed copy
Trans1 State ID:	LP3931NY
Trans2 State ID:	Not reported
Generator Ship Date:	01/06/1995
Trans1 Recv Date:	01/06/1995
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/06/1995
Part A Recv Date:	01/19/1995
Part B Recv Date:	01/18/1995
Generator EPA ID:	NYD981185523
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1995

Document ID:	NYC3713602
Manifest Status:	Completed copy
Trans1 State ID:	LP3931NY
Trans2 State ID:	Not reported
Generator Ship Date:	10/06/1995
Trans1 Recv Date:	10/06/1995
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/06/1995
Part A Recv Date:	10/17/1995

PAULS CLEANERS (Continued) **1000275300**

Part B Recv Date: 10/20/1995
Generator EPA ID: NYD981185523
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1995

Document ID: NYC3525682
Manifest Status: Completed copy
Trans1 State ID: LP3931NY
Trans2 State ID: Not reported
Generator Ship Date: 03/29/1995
Trans1 Recv Date: 03/29/1995
Trans2 Recv Date: / /
TSD Site Recv Date: 03/29/1995
Part A Recv Date: 04/19/1995
Part B Recv Date: 04/06/1995
Generator EPA ID: NYD981185523
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1995

Document ID: NYC3605027
Manifest Status: Completed copy
Trans1 State ID: AM6252NY
Trans2 State ID: Not reported
Generator Ship Date: 07/20/1995
Trans1 Recv Date: 07/20/1995
Trans2 Recv Date: / /
TSD Site Recv Date: 07/20/1995
Part A Recv Date: 07/28/1995
Part B Recv Date: 07/31/1995
Generator EPA ID: NYD981185523
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001

PAULS CLEANERS (Continued) **1000275300**

Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1995

Document ID: NYC3152665
Manifest Status: Completed copy
Trans1 State ID: GF3013NY
Trans2 State ID: Not reported
Generator Ship Date: 07/20/1994
Trans1 Recv Date: 07/20/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 07/20/1994
Part A Recv Date: 08/08/1994
Part B Recv Date: 07/28/1994
Generator EPA ID: NYD981185523
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1994

Document ID: NYC2888122
Manifest Status: Completed copy
Trans1 State ID: LP3931NY
Trans2 State ID: Not reported
Generator Ship Date: 03/25/1994
Trans1 Recv Date: 03/25/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 03/25/1994
Part A Recv Date: 04/05/1994
Part B Recv Date: 04/05/1994
Generator EPA ID: NYD981185523
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1994

Document ID: NYC2828147
Manifest Status: Completed copy
Trans1 State ID: HW8207NY

PAULS CLEANERS (Continued) **1000275300**

Trans2 State ID: Not reported
Generator Ship Date: 02/02/1994
Trans1 Recv Date: 02/02/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 02/02/1994
Part A Recv Date: 02/14/1994
Part B Recv Date: 02/10/1994
Generator EPA ID: NYD981185523
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1994

Document ID: NYC1481332
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: AY9381NY
Trans2 State ID: Not reported
Generator Ship Date: 04/29/1992
Trans1 Recv Date: 04/29/1992
Trans2 Recv Date: / /
TSD Site Recv Date: 04/29/1992
Part A Recv Date: / /
Part B Recv Date: 06/08/1992
Generator EPA ID: NYD981185523
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1992

Document ID: NYC0760149
Manifest Status: Completed copy
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 01/31/1992
Trans1 Recv Date: 01/31/1992
Trans2 Recv Date: / /
TSD Site Recv Date: 01/31/1992
Part A Recv Date: 02/12/1992
Part B Recv Date: 02/10/1992
Generator EPA ID: NYD981185523
Trans1 EPA ID: ILD051060408

PAULS CLEANERS (Continued) **1000275300**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1992

Document ID:	NYC1880447
Manifest Status:	Completed copy
Trans1 State ID:	AY9381NY
Trans2 State ID:	Not reported
Generator Ship Date:	11/05/1992
Trans1 Recv Date:	11/05/1992
Trans2 Recv Date:	/ /
TSD Site Recv Date:	11/05/1992
Part A Recv Date:	11/20/1992
Part B Recv Date:	11/16/1992
Generator EPA ID:	NYD981185523
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1992

Document ID:	NYA9499768
Manifest Status:	Completed copy
Trans1 State ID:	LP3931NY
Trans2 State ID:	Not reported
Generator Ship Date:	05/31/1989
Trans1 Recv Date:	05/31/1989
Trans2 Recv Date:	/ /
TSD Site Recv Date:	05/31/1989
Part A Recv Date:	06/07/1989
Part B Recv Date:	06/06/1989
Generator EPA ID:	NYD981185523
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

PAULS CLEANERS (Continued) **1000275300**

Year: 1989

Document ID: NYC0148882
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 03/08/1990
Trans1 Recv Date: 03/08/1990
Trans2 Recv Date: / /
TSD Site Recv Date: 03/08/1990
Part A Recv Date: 03/28/1990
Part B Recv Date: 03/22/1990
Generator EPA ID: NYD981185523
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1990

Document ID: NYA9236801
Manifest Status: Completed copy
Trans1 State ID: NYPP4503
Trans2 State ID: Not reported
Generator Ship Date: 01/12/1989
Trans1 Recv Date: 01/12/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 01/12/1989
Part A Recv Date: 01/26/1989
Part B Recv Date: 01/19/1989
Generator EPA ID: NYD981185523
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1989

AIRS (AFS):

Airs Minor Details:
EPA plant ID: 110001606824
Plant name: EDDIE'S CLEANERS
Plant address: 1002 EAST GUN HILL RD

PAULS CLEANERS (Continued) **1000275300**

BRONX, NY 104693720
County: BRONX
Region code: 02
Dunn & Bradst #: Not reported
Air quality cntrl region: 043
Sic code: 7216
Sic code desc: DRYCLEANING PLANTS, EXCEPT RUG
North Am. industrial classf: 812320
NAIC code description: Drycleaning and Laundry Services (except Coin-Operated)
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV: Not reported

Compliance and Enforcement Major Issues:
Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

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National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

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National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

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National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

PAULS CLEANERS (Continued) **1000275300**

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1403
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1401
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1304
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1302
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1403
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1402
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1304
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1302
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1301
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

PAULS CLEANERS (Continued) **1000275300**

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1402
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1303
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1301
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1401
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1303
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

PAULS CLEANERS (Continued) **1000275300**

Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: UNCLASSIFIED
Repeat violator date: Not reported
Turnover compliance: Not reported

M74 **EDR US Hist Auto Stat** **1015623773**
NW **746 E 214TH ST** **N/A**
1/8-1/4 **BRONX, NY 10467**
0.202 mi.
1069 ft. **Site 2 of 2 in cluster M**

Relative:
Higher

Actual:
112 ft.

EDR Historical Auto Stations:

Name: BRIDGETOWN AUTO REPR
Year: 2001
Address: 746 E 214TH ST

Name: BRIDGETOWN AUTO REPR
Year: 2002
Address: 746 E 214TH ST

Name: P & G AUTO REPAIRS
Year: 2003
Address: 746 E 214TH ST

Name: BRIDGETOWN AUTO REPAIR
Year: 2004
Address: 746 E 214TH ST

Name: PNG AUTO REPAIR
Year: 2007
Address: 746 E 214TH ST

Name: PNG AUTO REPAIR
Year: 2008
Address: 746 E 214TH ST

Name: PNG AUTO REPAIR
Year: 2009
Address: 746 E 214TH ST

K75
WNW
1/8-1/4
0.204 mi.
1078 ft.

EDR US Hist Auto Stat **1015446173**
N/A

3556 HOLLAND AVE
BRONX, NY 10467

Site 2 of 3 in cluster K

Relative:
Higher

Actual:
107 ft.

EDR Historical Auto Stations:

Name:	C & M AUTO REPAIR
Year:	2004
Address:	3556 HOLLAND AVE
Name:	C & M AUTO REPAIR
Year:	2005
Address:	3556 HOLLAND AVE
Name:	C & M AUTO REPAIR
Year:	2006
Address:	3556 HOLLAND AVE
Name:	C & M AUTO REPAIR
Year:	2007
Address:	3556 HOLLAND AVE
Name:	C & M AUTO REPAIR INC
Year:	2008
Address:	3556 HOLLAND AVE
Name:	C M AUTO REPAIR INC
Year:	2009
Address:	3556 HOLLAND AVE
Name:	C M AUTO REPAIR INC
Year:	2010
Address:	3556 HOLLAND AVE

N76
East
1/8-1/4
0.204 mi.
1079 ft.

NY Spills **S108129852**
N/A

7 GAL OF BENZINE INTO SOIL
1030 EAST 213 STREET
BRONX, NY

Site 2 of 4 in cluster N

Relative:
Higher

Actual:
108 ft.

SPILLS:

Facility ID:	0605430
Facility Type:	ER
DER Facility ID:	318505
Site ID:	368591
DEC Region:	2
Spill Date:	7/31/2006
Spill Number/Closed Date:	0605430 / 11/15/2006
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	8/9/2006
CID:	410
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency

7 GAL OF BENZINE INTO SOIL (Continued) **S108129852**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/9/2006
Spill Record Last Update:	11/15/2006
Spiller Name:	ERTS
Spiller Company:	CON EDISON
Spiller Address:	1030 EAST 213 ST
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	001
Contact Name:	ERTS
Contact Phone:	(212) 580-8383
DEC Memo:	11/15/06 - See e-docs for Con Ed report detailing cleanup and closure.201562. see eDocs
Remarks:	SPILL WAS ORIGINALLY REPORTED 7 GALLONS OF DRIP WATER: FUTHER TESTING LAB RESULTS INDICATED 2 PPM/ PCP: CLEANUP IS COMPLETE: CONED # 201562

Material:

Site ID:	368591
Operable Unit ID:	1126460
Operable Unit:	01
Material ID:	2115995
Material Code:	0017A
Material Name:	PCB OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

N77 **CON EDISON** **RCRA NonGen / NLR** **1010326980**
East **1030 E 213 ST** **MANIFEST** **NYP004144028**
1/8-1/4 **BRONX, NY 10451**
0.204 mi.
1079 ft. **Site 3 of 4 in cluster N**

Relative:
Higher

Actual:
108 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/11/2007
Facility name:	CON EDISON
Facility address:	1030 E 213 ST BRONX, NY 10451
EPA ID:	NYP004144028
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	DAVID DUKE
Contact address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 580-8383
Contact email:	Not reported

CON EDISON (Continued) **1010326980**

EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/10/2007
Site name: CON EDISON
Classification: Not a generator, verified

Date form received by agency: 01/09/2007
Site name: CON EDISON
Classification: Unverified

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004144028
Country: USA
Location Address 1: 1030 E 213TH ST
Location Address 2: Not reported
Location City: BRONX
Location State: NY
Location Zip Code: Not reported
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: FRANKLYN MURRAY
Address: 4 IRVING PL RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: NYE1594116
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 08/23/2006

CON EDISON (Continued) **1010326980**

Trans1 Recv Date:	08/23/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/24/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004144028
Trans1 EPA ID:	12446JT
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D018 - BENZENE 0.5 MG/L TCLP
Quantity:	00032
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2006

Document ID:	NYE1575045
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	07/31/2006
Trans1 Recv Date:	07/31/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/02/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004144028
Trans1 EPA ID:	69526JR
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D018 - BENZENE 0.5 MG/L TCLP
Quantity:	01000
Units:	P - Pounds
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2006

K78 **RESI: ST HILL** **NY Spills** **S102239480**
WNW **3563 HOLLAND AV** **N/A**
1/8-1/4 **BRONX, NY**
0.206 mi.
1087 ft. **Site 3 of 3 in cluster K**

Relative:
Higher

Actual:
107 ft.

SPILLS:

Facility ID:	9516140
Facility Type:	ER
DER Facility ID:	150905
Site ID:	179812
DEC Region:	2
Spill Date:	3/15/1996
Spill Number/Closed Date:	9516140 / 3/15/1996
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

RESI: ST HILL (Continued) **S102239480**

	Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	3/15/1996
CID:	323
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/15/1996
Spill Record Last Update:	4/2/1996
Spiller Name:	MR ST HILL
Spiller Company:	RESI: ST HILL
Spiller Address:	3563 HOLLAND AV
Spiller City,St,Zip:	BRONX, ZZ
Spiller Company:	001
Contact Name:	MR ST HILL
Contact Phone:	(718) 882-1406
DEC Memo:	Not reported
Remarks:	SUCTION LINE LEAKED. WAS REPLACED.

Material:

Site ID:	179812
Operable Unit ID:	1030799
Operable Unit:	01
Material ID:	352682
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

P79 **SPILL NUMBER 0301969** **NY Spills** **S106014328**
WNW **3542 HOLLAND AVE** **N/A**
1/8-1/4 **BRONX, NY**
0.207 mi.
1092 ft. **Site 1 of 2 in cluster P**

Relative:
Higher

Actual:
107 ft.

SPILLS:

Facility ID:	0301969
Facility Type:	ER
DER Facility ID:	181055
Site ID:	218886
DEC Region:	2
Spill Date:	5/24/2003

SPILL NUMBER 0301969 (Continued) **S106014328**

Spill Number/Closed Date:	0301969 / 5/27/2003
Spill Cause:	Deliberate
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	JXZHAO
Referred To:	Not reported
Reported to Dept:	5/24/2003
CID:	418
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/24/2003
Spill Record Last Update:	5/27/2003
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	FIREMAN KELLY
Contact Phone:	(917) 769-0483
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHAO"Sangesland DDO, Zhao reports:AL Autobody dumped petroleum product into sewer.NYCFD flushed all drains and sewer lines.Spill Closed
Remarks:	very strong odor of gasoline in sewers and in the basement of the address listed. hazmat requests call back

Material:

Site ID:	218886
Operable Unit ID:	869946
Operable Unit:	01
Material ID:	506453
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

N80 **EDR US Hist Auto Stat** **1015134919**
East **1034 E 213TH ST** **N/A**
1/8-1/4 **BRONX, NY 10469**
0.209 mi.
1105 ft. **Site 4 of 4 in cluster N**

Relative:
Higher

Actual:
109 ft.

EDR Historical Auto Stations:

Name:	LP AUTO REPAIR
Year:	2001
Address:	1034 E 213TH ST

P81 **EDR US Hist Auto Stat** **1015445063**
West **3533 HOLLAND AVE** **N/A**
1/8-1/4 **BRONX, NY 10467**
0.214 mi.
1132 ft. **Site 2 of 2 in cluster P**

Relative:
Higher

Actual:
105 ft.

EDR Historical Auto Stations:

Name:	A & E AUTO BODY
Year:	1999
Address:	3533 HOLLAND AVE
Name:	A & E AUTO BODY
Year:	2000
Address:	3533 HOLLAND AVE
Name:	A & E AUTO BODY
Year:	2001
Address:	3533 HOLLAND AVE
Name:	ALS AUTO BODY
Year:	2002
Address:	3533 HOLLAND AVE
Name:	ALS AUTO BODY
Year:	2003
Address:	3533 HOLLAND AVE
Name:	AE AUTO BODY
Year:	2004
Address:	3533 HOLLAND AVE
Name:	ALS AUTO BODY
Year:	2005
Address:	3533 HOLLAND AVE
Name:	ALS AUTO BODY
Year:	2006
Address:	3533 HOLLAND AVE

Q82 **LYNCH HOME** **NY Spills** **S107488894**
SE **1042 EAST 211 ST** **N/A**
1/8-1/4 **BRONX, NY**
0.215 mi.
1134 ft. **Site 1 of 2 in cluster Q**

Relative:
Lower

Actual:
90 ft.

SPILLS:

Facility ID:	0510478
Facility Type:	ER
DER Facility ID:	306522
Site ID:	356464
DEC Region:	2
Spill Date:	12/6/2005
Spill Number/Closed Date:	0510478 / 12/6/2005
Spill Cause:	Other
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	12/6/2005
CID:	444
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/6/2005
Spill Record Last Update:	12/6/2005
Spiller Name:	Not reported
Spiller Company:	AAMCO TRANSMISSION
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Contact Name:	MADGE
Contact Phone:	(718) 547-9331
DEC Memo:	Homeowner complained about odor from adjacent AAMCO Transmission business.No spill was visible, therefore DEC Austin said no DEC response will be made.Sangesland spoke to DEC Air group. They also will NOT respond to the complaint.Sangesland told homeowner to try working with NYC Dept of Health or DEP.
Remarks:	CALLER STATES THAT FUMES FROM DIESEL AT THE ARMCO TRANSMISSION SHOP MAKES HER FEEL ILL: NO SPILL,

Material:

Tank Test:

Q83 **1042 EAST 211TH ST/BX** **NY Spills** **S102141941**
SE **1042 EAST 211TH STREET** **N/A**
1/8-1/4 **NEW YORK CITY, NY**
0.215 mi.
1134 ft. **Site 2 of 2 in cluster Q**

Relative:
Lower

Actual:
90 ft.

SPILLS:

Facility ID:	8904033
Facility Type:	ER
DER Facility ID:	104112
Site ID:	119877
DEC Region:	2
Spill Date:	7/24/1989
Spill Number/Closed Date:	8904033 / 11/15/1994
Spill Cause:	Housekeeping
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS:	0301
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	7/24/1989
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	11/15/1994
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/27/1989
Spill Record Last Update:	11/15/1994
Spiller Name:	Not reported
Spiller Company:	AAMCO TRANSMISSION
Spiller Address:	1027 EAST GUNHILL ROAD
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	ONGOING SINCE 1986, WASTE OIL WASHES FROM SPILLER TO OTHER PROPERTIES,NYCDEP (MCKENZIE) TO INVESTIGATE SPILL.

Material:

Site ID:	119877
Operable Unit ID:	929457
Operable Unit:	01
Material ID:	448105
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

1042 EAST 211TH ST/BX (Continued) **S102141941**

Tank Test:

R84
West
1/8-1/4
0.217 mi.
1146 ft.

SPILL NUMBER 0108122 **LTANKS** **S105230063**
754 EAST GUNHILL RD **NY Spills** **N/A**
BRONX, NY

Site 1 of 3 in cluster R

Relative:
Lower

Actual:
101 ft.

LTANKS:

Site ID:	310355
Spill Number/Closed Date:	0108122 / 6/30/2003
Spill Date:	11/9/2001
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	11/9/2001
CID:	211
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/9/2001
Spill Record Last Update:	6/30/2003
Spiller Name:	Not reported
Spiller Company:	CRYSTAL TRANSPORTATION
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	FRANK RIZZO
Spiller Phone:	(718) 828-3100
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	250509
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
Remarks:	DRIVER OVERFILLED TANK CLEAN UP CREW ON SCENE

Material:

Site ID:	310355
Operable Unit ID:	846166
Operable Unit:	01
Material ID:	529376
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3
Units:	Gallons

SPILL NUMBER 0108122 (Continued) **S105230063**

Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

SPILLS:
Facility ID: 0701264
Facility Type: ER
DER Facility ID: 250509
Site ID: 380747
DEC Region: 2
Spill Date: 4/30/2007
Spill Number/Closed Date: 0701264 / 5/1/2007
Spill Cause: Equipment Failure
Spill Class: Not reported
SWIS: 0301
Investigator: hrpatel
Referred To: Not reported
Reported to Dept: 4/30/2007
CID: 408
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 4/30/2007
Spill Record Last Update: 5/1/2007
Spiller Name: ROB HILL
Spiller Company: CHURCH
Spiller Address: 754 EAST GUNHILL RD
Spiller City,St,Zip: BRONX, NY 10467
Spiller Company: 001
Contact Name: ROB HILL
Contact Phone: (718) 579-3413
DEC Memo: spill at vent pipe. contained. castle oil doing cleanup.05/01/07-Hiralkumar Patel. spoke with Mr. Hill. oil spilled around vent pipe on concrete floor and wall. all cleaned up.
Remarks: CLEAN UP IN PROCESS;

Material:
Site ID: 380747
Operable Unit ID: 1138224
Operable Unit: 01
Material ID: 2128203
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 5
Units: Gallons
Recovered: No

SPILL NUMBER 0108122 (Continued) **S105230063**

Resource Affected: Not reported
Oxygenate: False

Tank Test:

R85 West 1/8-1/4 0.217 mi. 1147 ft. **IMMACULATE CONCEPTION RECTORY** **UST U000416530**
754 EAST GUN HILL ROAD **HIST UST N/A**
BRONX, NY 10467

Site 2 of 3 in cluster R

Relative: Lower

Actual: 101 ft.

UST:
Id/Status: 2-064181 / Active
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 03/27/2008
UTM X: 595712.59479999996
UTM Y: 4525679.4786900003
Site Type: Religious Building (Church, Synagogue, Mosque, Temple, etc.)

Affiliation Records:
Site Id: 1325
Affiliation Type: Facility Owner
Company Name: IMMACULATE CONCEPTION
Contact Type: Not reported
Contact Name: Not reported
Address1: 754 EAST GUN HILL RD
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10467
Country Code: 001
Phone: (212) 653-2200
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 5/27/2011

Site Id: 1325
Affiliation Type: Mail Contact
Company Name: TERRI LUGO
Contact Type: Not reported
Contact Name: Not reported
Address1: IMMACULATE CONCEPTION
Address2: 754 EAST GUN HILL ROAD
City: BRONX
State: NY
Zip Code: 10467
Country Code: 001
Phone: (212) 653-2299
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 1325

IMMACULATE CONCEPTION RECTORY (Continued) **U000416530**

Affiliation Type:	On-Site Operator
Company Name:	IMMACULATE CONCEPTION RECTORY
Contact Type:	Not reported
Contact Name:	REV PROTOMASTRO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 653-2200
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	1325
Affiliation Type:	Emergency Contact
Company Name:	IMMACULATE CONCEPTION
Contact Type:	Not reported
Contact Name:	CASTLE OIL CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 823-8800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	2363
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	2000
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	03
Date Test:	09/01/1987
Next Test Date:	09/01/1992
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None

IMMACULATE CONCEPTION RECTORY (Continued) **U000416530**

D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

HIST UST:

PBS Number:	2-064181
SPDES Number:	Not reported
Emergency Contact:	CASTLE OIL CORP
Emergency Telephone:	(718) 823-8800
Operator:	REV PROTOMASTRO
Operator Telephone:	(212) 653-2200
Owner Name:	CAPUCHIN FRIARS
Owner Address:	754 GUN HILL RD
Owner City,St,Zip:	BRONX, NY 10467
Owner Telephone:	(718) 653-2200
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	CAPUCHIN FRIARS
Mailing Address:	754 GUN HILL RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BRONX, NY 10467
Mailing Contact:	Not reported
Mailing Telephone:	(718) 653-2200
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	754 EAST GUN HILL RD
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	12/23/1992
Expiration Date:	01/14/1997
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2

IMMACULATE CONCEPTION RECTORY (Continued) **U000416530**

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	09/01/1987
Next Test Date:	09/01/1992
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	False
Lat/long:	Not reported

S86 **APARTMENTS** **NY Spills** **S116155792**
NW **3642 HOLLAND AVENUE** **N/A**
1/8-1/4 **BRONX, NY**
0.222 mi.
1170 ft. **Site 1 of 3 in cluster S**

Relative:
Higher

Actual:
113 ft.

SPILLS:

Facility ID:	1309537
Facility Type:	ER
DER Facility ID:	445394
Site ID:	490340
DEC Region:	2
Spill Date:	12/30/2013
Spill Number/Closed Date:	1309537 / 8/19/2014
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	0301
Investigator:	SXMAHAT
Referred To:	Not reported
Reported to Dept:	12/30/2013
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/30/2013
Spill Record Last Update:	8/19/2014

APARTMENTS (Continued) **S116155792**

Spiller Name:	SHAROB KHOGA
Spiller Company:	SHAROB KHOGA
Spiller Address:	3642 HOLLAND AVENUE
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	999
Contact Name:	SHAROB KHOGA
Contact Phone:	(646) 431-0105
DEC Memo:	12/30/13: Mahat DEC spoke to Mr. Sharab (Property Owner @ 646.431.0105) to investigate the spill. He mentioned that the spill has been contained. As per Mr. Sharab there is no vapor/order issue. Milro (Notifier) disconnected leaking tank and will be on the site to fix it very shortly.8/19/14: Mahat DEC Contacted Mr. Sorab inquring about the spill. He mentioned that the leaking tank has been replaced with a new tank and vicinity is fixed with concrete. As per Mr. Sorab there is no odor issue in the building. Based on the information he provided, the Department does not need any further investigation on the site. Hence, the spill case will be closed on the database.**** Spill close **** DEC Require: 1. Action plan2. Pictures.3. No Contamination letter.
Remarks:	Spill to soil and concrete. Cleanup pending. 2-275 tanks in the basement and one was leaking.

Material:

Site ID:	490340
Operable Unit ID:	1239902
Operable Unit:	01
Material ID:	2239988
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	4
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

S87 **EDR US Hist Cleaners** **1015049873**
NW **3647 HOLLAND AVE** **N/A**
1/8-1/4 **BRONX, NY 10467**
0.225 mi.
1186 ft. **Site 2 of 3 in cluster S**

Relative:
Higher

Actual:
114 ft.

EDR Historical Cleaners:

Name:	LAUNDRY FREEDOM
Year:	2005
Address:	3647 HOLLAND AVE

T88 **SPILL NUMBER 0011508** **NY Spills** **S104951263**
NNE **862 EAST 217 TH ST** **N/A**
1/8-1/4 **BRONX, NY**
0.227 mi.
1200 ft. **Site 1 of 3 in cluster T**

Relative:
Higher

Actual:
140 ft.

SPILLS:

Facility ID:	0011508
Facility Type:	ER
DER Facility ID:	170896
Site ID:	205807
DEC Region:	2
Spill Date:	1/24/2001
Spill Number/Closed Date:	0011508 / 3/5/2003
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	JMROMMEL
Referred To:	Not reported
Reported to Dept:	1/24/2001
CID:	211
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/24/2001
Spill Record Last Update:	3/6/2003
Spiller Name:	CALLER
Spiller Company:	ATLAS FUEL
Spiller Address:	1110 BRONX RIVER AVE
Spiller City,St,Zip:	BRONX, NY 10472-
Spiller Company:	001
Contact Name:	DAN SILVESTRO
Contact Phone:	(718) 893-4400
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"PRIVATE HOUSE -SPILL TO SIDE ALLEY -ALL ON CEMENT HOME OWNER -LOUISE HENRY -HOME PHONE #718-655-1693-WORK BEAUTY SHOP#718-882-5768 SANGESLAND CALLED THE HOMEOWNER -SHE SAYS CLEAN UP IS HAPPENING NOW IF SHE IS NOT HAPPY WITH THE CLEAN UP SHE WILL CALL SANGESCAND NO SPILL IN BASEMENT 03/05/2003 SPILL CLOSED.
Remarks:	PRODUCT CAME OUT VENT AFTER OVERFILL - CLEAN UP IN PROGRESS

Material:

Site ID:	205807
Operable Unit ID:	833004
Operable Unit:	01
Material ID:	541819
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	No

SPILL NUMBER 0011508 (Continued) **S104951263**

Resource Affected: Not reported
Oxygenate: False

Tank Test:

R89 **IMMACULATE CONCEPTION CHURCH** **UST** **U001832791**
West **750 EAST GUN HILL RD** **HIST UST** **N/A**
1/8-1/4 **BRONX, NY 10467**
0.228 mi.
1204 ft. **Site 3 of 3 in cluster R**

Relative:
Lower

Actual:
101 ft.

UST:
Id/Status: 2-062529 / Active
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 06/05/2007
UTM X: 595695.03029000002
UTM Y: 4525686.9217800004
Site Type: Religious Building (Church, Synagogue, Mosque, Temple, etc.)

Affiliation Records:
Site Id: 1183
Affiliation Type: Facility Owner
Company Name: ARCHDIOCESE OF NEW YORK
Contact Type: Not reported
Contact Name: Not reported
Address1: 1011 FIRST AVENUE
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10022
Country Code: 001
Phone: (212) 371-1000
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 2/10/2014

Site Id: 1183
Affiliation Type: Mail Contact
Company Name: ARCHDIOCESE OF NEW YORK
Contact Type: Not reported
Contact Name: FR. JOHN LO SASSO, OFM
Address1: 1011 FIRST AVENUE
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10022
Country Code: 001
Phone: (212) 371-1000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 1183

IMMACULATE CONCEPTION CHURCH (Continued) **U001832791**

Affiliation Type:	On-Site Operator
Company Name:	IMMACULATE CONCEPTION CHURCH
Contact Type:	Not reported
Contact Name:	REV FR. JOHN LO SASSO, OFM CAP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 653-2200
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	1183
Affiliation Type:	Emergency Contact
Company Name:	ARCHDIOCESE OF NEW YORK
Contact Type:	Not reported
Contact Name:	CASTLE OIL CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 823-8800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	5402
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	2000
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	03
Date Test:	07/01/1987
Next Test Date:	07/01/1992
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B00 - Tank External Protection - None

IMMACULATE CONCEPTION CHURCH (Continued) **U001832791**

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

HIST UST:

PBS Number:	2-062529
SPDES Number:	Not reported
Emergency Contact:	CASTLE OIL CORP
Emergency Telephone:	(718) 823-8800
Operator:	REV PROTOMASTRO
Operator Telephone:	(718) 653-2200
Owner Name:	ARCHDIOCESE OF NEW YORK
Owner Address:	1011 FIRST AVENUE
Owner City,St,Zip:	NEW YORK, NY 10022
Owner Telephone:	(212) 371-1000
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	ARCHDIOCESE OF NEW YORK
Mailing Address:	1011 FIRST AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10022
Mailing Contact:	Not reported
Mailing Telephone:	(212) 371-1000
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	750 EAST GUN HILL RD
SWIS ID:	6001
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	07/31/1997
Expiration Date:	06/05/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	60
Town or City:	01
Region:	2

IMMACULATE CONCEPTION CHURCH (Continued) **U001832791**

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	07/01/1987
Next Test Date:	07/01/1992
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	False
Lat/long:	Not reported

90
SW
1/8-1/4
0.229 mi.
1210 ft.

ZAPPULLA HOME **LTANKS** **S107417164**
782 MAGENTA AVE **N/A**
BRONX, NY

Relative:
Lower

Actual:
96 ft.

LTANKS:

Site ID:	354927
Spill Number/Closed Date:	0509192 / 11/9/2005
Spill Date:	11/1/2005
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	11/1/2005
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/1/2005
Spill Record Last Update:	11/9/2005
Spiller Name:	RAY ZAPPULLA
Spiller Company:	ZAPPULLA HOME
Spiller Address:	782 MAGENTA AVE
Spiller City,St,Zip:	BRONX, NY

ZAPPULLA HOME (Continued) **S107417164**

Spiller County:	001
Spiller Contact:	RAY ZAPPULLA
Spiller Phone:	(718) 798-8278
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	304933
DEC Memo:	11.09.05 Sharif-I spoke with Mr. Ray,(718)798-8278. He called his oil company stuyvesant to come to his house and fix the problem. They set up a new tank and took out the old tank with oil. He informed me that he is happy with their job and there is no problem now.
Remarks:	INSIDE UNDER STAIRS, OIL CO STATES HARD PLACE TO GET TO A GAVE HIM NUMBER OF TANK CO.

Material:

Site ID:	354927
Operable Unit ID:	1112313
Operable Unit:	01
Material ID:	2102354
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

T91 **852 EAST 217TH STREET** **NY Spills** **S102239359**
North **852 EAST 217TH STREET** **N/A**
1/8-1/4 **BRONX, NY**
0.230 mi.
1214 ft. **Site 2 of 3 in cluster T**

Relative:
Higher

Actual:
137 ft.

SPILLS:

Facility ID:	9515736
Facility Type:	ER
DER Facility ID:	174616
Site ID:	210623
DEC Region:	2
Spill Date:	3/8/1996
Spill Number/Closed Date:	9515736 / 3/8/1996
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	GUTIERREZ
Referred To:	Not reported
Reported to Dept:	3/8/1996
CID:	201
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported

852 EAST 217TH STREET (Continued) **S102239359**

Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/8/1996
Spill Record Last Update:	3/29/1996
Spiller Name:	TERESA DIORIO
Spiller Company:	TERESA DIORIO
Spiller Address:	852 EAST 217TH STREET
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	001
Contact Name:	TERESA DIORIO
Contact Phone:	(718) 652-0115
DEC Memo:	Not reported
Remarks:	1 PT OF OIL SPILLED - 1 PT OF OIL CLEANED UP

Material:

Site ID:	210623
Operable Unit ID:	1030305
Operable Unit:	01
Material ID:	355855
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

92
SE
1/8-1/4
0.234 mi.
1234 ft.

1027 E GUN HILL RD
BRONX, NY 10469

EDR US Hist Auto Stat **1015132464**
N/A

Relative:
Lower

Actual:
82 ft.

EDR Historical Auto Stations:

Name:	A M S TRANSMISSIONS INC
Year:	2009
Address:	1027 E GUN HILL RD
Name:	AAMCO TRANSMISSIONS
Year:	2010
Address:	1027 E GUN HILL RD

T93 **KNIGHT RESIDENCE** **NY Spills** **S108466406**
North **847 EAST 217TH ST** **N/A**
1/8-1/4 **BRONX, NY**
0.234 mi.
1236 ft. **Site 3 of 3 in cluster T**

Relative:
Higher

Actual:
136 ft.

SPILLS:

Facility ID:	0612992
Facility Type:	ER
DER Facility ID:	327511
Site ID:	377947
DEC Region:	2
Spill Date:	3/2/2007
Spill Number/Closed Date:	0612992 / 3/28/2007
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	sfrahman
Referred To:	Not reported
Reported to Dept:	3/2/2007
CID:	27
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/3/2007
Spill Record Last Update:	3/28/2007
Spiller Name:	Not reported
Spiller Company:	OLIVIA MITCHELL
Spiller Address:	847 217TH ST
Spiller City,St,Zip:	BRONX, NY 10469
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	This is the open spill for the site. Island Tank called in duplicate 0613009 which was closed.There is a discrepancy in the residence names. Possibly tennants on spill report.03/05/07 Rahman- Island Tank cleaned the basement.Vinny Lovary told me there needs to be done more removal of saturated concrete.03/06/07 Letter went to Raldo A Mitchell847 E 217th StBronx, NY 10467-581803/28/07 DEC rec'd clean up documents with disposal manifest and pictures of the cleaned tank room.Leak was fixed.Spill closed.
Remarks:	Caller reports diesel tank leaking in a building. Caller had no further info. 21:49 FDNY SPALL CALLED WITH UPDATED INFO. FD CONTACTED FUEL COMPANY. FD REPORTED CRACKED VALVE ON THE TANK.

Material:

Site ID:	377947
Operable Unit ID:	1135464
Operable Unit:	01
Material ID:	2125371
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported

KNIGHT RESIDENCE (Continued) **S108466406**

Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	377947
Operable Unit ID:	1135464
Operable Unit:	01
Material ID:	2125372
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0613009
Facility Type:	ER
DER Facility ID:	327511
Site ID:	377964
DEC Region:	2
Spill Date:	3/2/2007
Spill Number/Closed Date:	0613009 / 3/5/2007
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	rmpiper
Referred To:	Not reported
Reported to Dept:	3/3/2007
CID:	41
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/3/2007
Spill Record Last Update:	3/5/2007
Spiller Name:	OLIVE KNIGHT
Spiller Company:	KNIGHT RESIDENCE
Spiller Address:	847 EAST 217TH ST
Spiller City,St,Zip:	BRONX, NY UNK
Spiller Company:	001
Contact Name:	OLIVE KNIGHT
Contact Phone:	(718) 654-4134
DEC Memo:	Duplicate See Spill 0612992. This spill closed.

KNIGHT RESIDENCE (Continued) **S108466406**

Remarks: nipple on bottom of tank broke off (where valve is) - spill is under basement floor - cleanup pending - FD put speedy dry down - testing to be conducted by Island

Material:
Site ID: 377964
Operable Unit ID: 1135481
Operable Unit: 01
Material ID: 2125391
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

S94 **EDR US Hist Auto Stat** **1015618085**
NW **728 E 214TH ST** **N/A**
1/8-1/4 **BRONX, NY 10467**
0.235 mi.
1240 ft. **Site 3 of 3 in cluster S**

Relative:
Higher

Actual:
110 ft.

EDR Historical Auto Stations:
Name: DIAMOND AUTO BODY REPAIR
Year: 1999
Address: 728 E 214TH ST

Name: DIAMOND AUTO BODY REPAIR
Year: 2000
Address: 728 E 214TH ST

Name: DIAMOND AUTO BODY REPAIR
Year: 2001
Address: 728 E 214TH ST

Name: C & M AUTO REPAIR
Year: 2002
Address: 728 E 214TH ST

Name: DIAMOND AUTO BODY REPAIR INC
Year: 2003
Address: 728 E 214TH ST

Name: R & C AUTO INC
Year: 2004
Address: 728 E 214TH ST

Name: DIAMOND AUTO BODY REPAIR
Year: 2005
Address: 728 E 214TH ST

Name: RC AUTO BODY

(Continued) **1015618085**

Year: 2006
Address: 728 E 214TH ST

Name: R C AUTO BODY
Year: 2007
Address: 728 E 214TH ST

Name: RFC REPAIR INC
Year: 2008
Address: 728 E 214TH ST

Name: RFC REPAIR INC
Year: 2009
Address: 728 E 214TH ST

Name: R C AUTO BODY
Year: 2010
Address: 728 E 214TH ST

Name: R C AUTO BODY
Year: 2011
Address: 728 E 214TH ST

Name: RC AUTO BODY
Year: 2012
Address: 728 E 214TH ST

95
North
1/8-1/4
0.235 mi.
1243 ft.

INTERMEDIATE SCHOOL 113X
3710 BARNES AVE
BRONX, NY

LTANKS **S102239002**
NY Spills **N/A**

Relative:
Higher

Actual:
124 ft.

LTANKS:
Site ID: 448389
Spill Number/Closed Date: 1100954 / 4/27/2011
Spill Date: 4/26/2011
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 0301
Investigator: HRPATEL
Referred To: Not reported
Reported to Dept: 4/27/2011
CID: Not reported
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 4/27/2011
Spill Record Last Update: 4/27/2011
Spiller Name: LEE GUTERMAN
Spiller Company: NYSCA
Spiller Address: 3710 BARNES AVE

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

Spiller City,St,Zip:	BRONX, NY
Spiller County:	999
Spiller Contact:	CHRISTOPHER STEELE
Spiller Phone:	(718) 624-4842
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	358215
DEC Memo:	4/27/11-Vought-Primary off hours responder. This spill assigned to DEC Patel as he is overseeing investigation and remediation of same site under open spill number 0811383. Vought called PTC (Christopher Steel Ph:718-624-4842). Vought left message for Steel to return call to cell phone. Vought received callback from and spoke to PTC Ray Lara who noted that tanks were empty and that he will be setting up temporary tank. Lara unsure if lines were tested and results of tests. Vought noted to Lara that DEC Patel managing investigation.04/27/11-Hiralkumar Patel.9:39 AM:- spoke with Ray at PTC. he confirmed that both tanks were empty and only tanks were tested. no test performed on any lines.case closed. will be investigated under the spill #: 0811383.
Remarks:	Caller reporting a tank test failure.

Material:

Site ID:	448389
Operable Unit ID:	1198630
Operable Unit:	01
Material ID:	2194907
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SPILLS:

Facility ID:	9514135
Facility Type:	ER
DER Facility ID:	131229
Site ID:	154816
DEC Region:	2
Spill Date:	2/6/1996
Spill Number/Closed Date:	9514135 / 2/7/1996
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	2/6/1996
CID:	349
Water Affected:	Not reported

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/6/1996
Spill Record Last Update:	2/26/1996
Spiller Name:	MR CAREY
Spiller Company:	CASTLE OIL CORP
Spiller Address:	290 LOCUST AVE
Spiller City,St,Zip:	BRONX, NY 10454-
Spiller Company:	001
Contact Name:	MARION
Contact Phone:	(718) 547-3859
DEC Memo:	Not reported
Remarks:	DRIVER ERROR WHICH LEAD TO STORAGE TANK OVERFILL- CLEAN UP RESPONDING W/VAC TRUCK

Material:

Site ID:	154816
Operable Unit ID:	1028665
Operable Unit:	01
Material ID:	569732
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1206978
Facility Type:	ER
DER Facility ID:	358215
Site ID:	470008
DEC Region:	2
Spill Date:	10/16/2012
Spill Number/Closed Date:	1206978 / 11/15/2012
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	0301
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	10/16/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/16/2012
Spill Record Last Update:	11/23/2012
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	RODNEY TIERNEY
Contact Phone:	(917) 299-8385
DEC Memo:	10/16/12-Hiralkumar Patel.12:00 PM:- visited site. met Raymond Palermo, safety inspector from NYC SCA. school is replacing oil burners with gas burners. so general contractor rented mobile boiler trailer from Easco. the trailer contains a boiler, a water tank and one 550 gal day tank. general contractor got 6,000 gal temp tank and connected it to the boiler. after connecting 6,000 gal tank to the boiler, the day tank was isolated. now, pump on day tank was circulating oil from the temp tank at the rate of 190 gal/hour. any unused oil was going back to the temp tank. there was a T connection (to the day tank) on return line with shut-off valve. general contractor started system last week (ran for about 4-5 days before today's incident). due to faulty valve on the return line, some of the oil from the return line started flowing into the day tank until it overflowed today. Easco has removed the T connection on the return line and now all the excessive oil is going back to the temp tank.during the oil spill event, water tank inside the boiler trailer also overflowed. overflowed water from the water tank pushed spilled oil to longer distance and eventually into a storm catch basin at the intersection of the Barnes Ave and E 217th St. oily water flowed onto ashphalt street, along the curbside. FDNY/NYC Sanitation put absorbent sand on spilled material on street.general contractor hired Eastmond for cleanup of absorbent sand on street and contaminated material from the catch basin.no petroleum odors detected inside the school. after necessary corrections in piping, FDNY allowed to turn the boiler on. Raymond PalermoSafety InspectorNYC SCAPh. (718) 752-5576 (O) (646) 320-2499 (C)Fax (718) 472-8640email: rpalermo@nycsca.org10/23/12-Hiralkumar Patel.1:46 PM:- spoke with Mr. Palermo. he mentioned that Eastmond cleaned up the catch basin.1:54 PM:- left message for Neil at Eastmond.11/15/12-Hiralkumar Patel.1:46 PM:- received email from Michael Tumulty from STV Inc. including spill cleanup report.Michael TumultySTV IncorporatedPh. (212) 614-3369 (O) (917) 545-9619 (C)based on available information, case closed.
Remarks:	generator diesel tank gave way - on ground heading toward sewer - cleanup pending

Material:

Site ID:	470008
Operable Unit ID:	1219883
Operable Unit:	01
Material ID:	2218444
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

Material FA:	Petroleum
Quantity:	100
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0811383
Facility Type:	ER
DER Facility ID:	358215
Site ID:	408959
DEC Region:	2
Spill Date:	1/13/2009
Spill Number/Closed Date:	0811383 / Not Reported
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	JKKANN
Referred To:	Not reported
Reported to Dept:	1/15/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	1/15/2009
Spill Record Last Update:	1/5/2015
Spiller Name:	LEE GUTERMAN
Spiller Company:	INTERMEDIATE SCHOOL 113X
Spiller Address:	3710 BARNES AVE
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	999
Contact Name:	LEE GUTERMAN
Contact Phone:	(718) 472-8502
DEC Memo:	SCA is doing a boiler upgrade at this building. During this work they noticed oil staining on the foundation wall by the supply line (from buried tank) and staining along the floor/wall joint. They need to do soil boring work outside to determine size of the problem, however Lee Guterman said they need to find funding first to pay for this work.03/04/09-Vought-Received call from and spoke to Mr. Drew Pardus (NYSCA Ph:646-577-8280 no fax). NYSCA submitted scope of work for soil boring. Vought reviewed Proposal/Scope of Work for UST Investigation and Closure submitted by Fleming Lee Shue (Mary Manto Ph:212-675-3225 fax:212-675-3224) and prepared for:Lee GuttermanNYCSCA30-30 Thomson AvenueLong Island City, NY 11101Ph:(718)472-8502Fax:(718)472-8500Two 7,500-gallon #6 fuel oil USTs fuel the building. USTs are "located beneath a paved play area in the northeastern corner of the Site, adjacent to the building".

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

Boiler is being upgraded. One UST was removed from service in 2000. "Based on field observations, evidence of a petroleum release was noted in an unoccupied basement room located adjacent to the USTs. Petroleum seepage was noted where the UST supply and return lines entered the building and at the base of the wall." Scope include preparation of a H&S Plan, geophysical survey of tanks and associated lines, installation of soil borings to "depths of 20' bgs, "to the soil-groundwater interface or to the top of bedrock (whichever is shallower)...". A minimum of four soil borings will be installed. "The borings will be advanced 20 feet below ground surface if no visual evdience oc contamination is found. If contamination appears to be present, borings will be advanced to the first clean interval or to the groundwater table, which ever is shallower". Sampling protocol as per DEC guidelines also proposed. If groundwater is encountered than two temporary wells will be installed within UST area. Spill Investigation Report will be submitted to DEC. Report will include recommendations for further investigation or remediation if appropriate. Vought sent approval letter of proposal to NYSCA with CC to AKRF Manto at above address.2/19/10-Milic- File review by Milic. According to PBS, one active onsite petroleum storage of 7,500 gallons #6 fuel oil, currently registered. No: 2-351989Investigation Report (Fleming-Lee Shue, Mr. Carroll Ph: 212-675-3225 Fax:212-675-3224)-September 2009.Report prepared for:NYC SCA30-30 Thomson AvenueLong Island City, NY 11101Attn: Lee GuttermanPh: (718) 472-8502Fax: (718) 472-8500Phase II ESI field activities: a geophysical survey cleared the site for subsurface utilities and structures on March 29, 2009. The survey determined that two potential return lines run west from USTs into the building, near the vent lines, and that fill lines run from the fill port on the sidewalk on the northeastern corner of the playground into the UST. Subsurface investigation field activities were performed on April 5, 2009 by FLS Environmental Specialist, Mr. Boretsky, and consisted of five (5) soil borings (four within the playground area adjacent to USTs, and one in the sidewalk adjacent to the remote fill ports), and with depth of 8 to 13 feet below grade, the depth to bedrock. It included a collection of seven (7) soil samples for laboratory analysis. PID readings performed. "The UST investigation was conducted in accordance" with FLS' UST Investigation Scope of Work (SOW) dated February 4, 2009, with the exception that despite the SOW's proposed two (2) groundwater samples, no groundwater was encountered at the Site, and the samples were not collected. Summary of the field screening: one sample was collected from each of the five soil borings, with exception of SB-3 and SB-4 with two samples collected. All samples ultimately advanced to the bedrock. The sample SB-4 II was only analyzed for VOCs. Site physical characteristics: The bedrock consists of Manhattan Schist and was encountered at 8-13 feet bgs. Groundwater was not encountered at the Site and "is anticipated to occur in the bedrock at depths greater than 13 feet bgs.in a westerly direction in the vicinity of the Site". Summary of findings: Field observations indicated that petroleum-impacted soil is present in the vicinity of the USTs ranging in depth from 7 feet bgs to the top of bedrock. "It is anticipated that an area approximately 20 feet by 20 feet, with average thickness of 3 feet, is petroleum-impacted". PID readings ranged from non-detect to 63.5 ppm in soils. "Petroleum staining and odor" (SB-4 9-10' bgs); "Heavy petroleum staining and odor" (SB-4 II 12-13' bgs); "Petroleum odor and staining from approximately 7.5 to 13.5' bgs" (SB-5 11-12' bgs).

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

Sampling result indicated the presence of low concentrations of VOCs and SVOCs in soil above bedrock in the vicinity of the USTs. Soil analyticals for VOCs and SVOCs below TAGM 4046. Soil clean objectives except for minor PAHs possibly attributed to fill material. Conclusions and recommendations: Although laboratory analytical results indicated no or minimally elevated concentrations of VOCs or SVOCs, field observations indicated the presence of petroleum-impacted soil in the vicinity of the USTs from depth of 7 feet bgs to top of bedrock. "It appears" that the one or both of the USTs leaked, although soils in the vicinity of the remote fill ports located in the sidewalk did not exhibit evidence of a release. "It is anticipated that approximately 45 cubic yards of accessible petroleum-impacted soil are present in the vicinity of the USTs". FLS recommends the following: the USTs and associated piping should be removed through excavation. Petroleum-impacted material should be segregated from uncontaminated material. All accessible petroleum-impacted soil in the vicinity of the USTs should be excavated to the bedrock surface and disposed of off-site. After excavation of all accessible petroleum-impacted soil, the building's perimeter foundation wall should be sealed with a petroleum-resistant barrier.3/1/10- Milic sent letter of approval of the above proposal of scope of work requiring below mentioned actions from the school/owner.DEC requires:1)Update of PBS registration (2 x 7,500 tanks registered as one active of 15,000).2)Site visit by DEC to inspect excavation upon reaching final limits.3)Collection of endpoint samples.4)Submission of excavation photos.6/11/10-Vought-Spill transferred from DEC Vought to DEC Patel as per DEC Austin and Vought transfer to Section A.08/11/10-Hiralkumar Patel.alternate addresses: 3700-3720 Barnes Ave, 801-839 E 216th St, 800-838 E 217th StPBS #: 2-351989. as per PBS record, site has two 7,500 gal #6 oil ASTs in vault with access. tanks installed in Nov. 1936 and currently in-service.other spill: 9514135. spill was reported on 02/06/1996 as 50 gal #6 oil spilled due to overfill. case closed.1:29 PM:- spoke with Mr. Pardus at SCA. he mentioned that the project is in bid process and looking for tank removal contractor.Drew PardusPh. (646) 577-828002/10/11-Hiralkumar Patel.1:57 PM:- spoke with Mr. Pardus. he mentioned that Brian in SCA is handling this project and Brian will call back.Brian GochenauerNYC SCAPh. (718) 752-5312email: bgochenauer@nycsca.org03/23/11-Hiralkumar Patel.10:46 AM:- spoke with Brian at SCA. he mentioned that about 2-3 weeks ago they were notified that construction project has been cancelled due to budget cut. initially they were planning to clean spill during construction, but now discussing how to handle spill cleanup. Brian will call back soon with updates after talking to upper management.04/18/11-Hiralkumar Patel. discussed with DEC Austin. he asked to visit site as more borings may be required betweeen the tanks and area where seepage found.3:40 PM:- left message for Brian at SCA to schedule a site visit.04/19/11-Hiralkumar Patel.9:43 AM:- received message from Mr. Pardus.10:36 AM:- spoke with Mr. Pardus and scheduled a site visit tomorrow at 9:30 AM.04/20/11-Hiralkumar Patel.9:40 AM:- visited site. met Mr. Pardus and James Joyce, school custodian. the site has two 7,500 gal USTs (tank #1 and tank #2) sitting under the courtyard in the northeast corner of the property along the East 217th street. tank #2 is located close to E 217th street. tanks area is surrounded by following:- on east is a next door property at 842 E 217th Street- on north is the E 217th Street- on west is the unoccupied room where oil

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

spill observed- on south is the building's boiler room which is at lower elevation than the unoccupied roomthere are total of six pipes to and from each UST into the building:- one return line- one hot water coil supply line- one hot water coil return line- one line that opens suction flow- one high level suction line and- one low level suction line (see pics on e-doc for more details).as per Mr. Joyce, tank #1 is out-of-service for about 10 years, but all the lines to and from tank #1 are active and tank can be used any time, if needed. also the fill port for tank #1 has just a marking and has not been sealed with cement, so oil can be delivered (by mistake) into tank #1 any time.inspected unoccupied area where oil spill was noticed. found heavy oil stains and some wet product on wall. right behind this wall are the two tanks. oil stain/product found underneath the pipes for tank #2 which is currently in use. found unoccupied room floor in good condition. stains found along the wall in the room which could be result of water leak in past.also inspected courtyard where tanks are located. inspected two manhole pits and found product in manhole pit for tank #2. both tanks have stick line. found stick line cap loose for tank #2 which could be source of oil in the pit. as the vent pipe termination is at higher elevation than stick line cap, oil might have spilled from this loose cap during oil deliveries before any oil comes out from the vent pipe.based on observations during the site visit, asked Mr. Joyce for following:- tank test of both tanks and submission of the results by the end of 05/06/11- cleaning of manhole pit on top of tank #2 and submission of cleanup documents (including color pics of clean pit) by the end of 05/06/11- report of a new spill number, if any tank fails the test- complete delineation of soil and groundwater contamination including site specific groundwater flow direction- inspection of a basement at 842 E 217th Street (property immediately east of the tanks location)- securing stick line cap to prevent any more spill into manhole pit2:20 PM:- received email from Mr. Pardus including construction plan from 1935. as per one of the plan (drawing 1 of 8), it was planned to excavate to 17 ft 8 inches below grade for fuel tanks with tank manholes flushed with pavement.if tanks were installed as planned, then borings installed during investigation in Sep. 2009 were above the tank invert depth and there could be more oil underneath the tank.3:26 PM:- receive email from Mr. Pardus including contact info for person in-charge and other people who should be copied on the letter.Ms. Ozgem Ornektekin **person in-charge**Director of SustainabilityDivision of School Facilities44-36 Vernon Boulevard Long Island City, NY 11101Ph. (718) 349-5799email: oornektekin@schools.nyc.govcopy letter to following people:Alex LempertDirector, IEHSchool Construction Authority30-30 Thomson Ave.Long Island City, NY 11101email: alempert@nycsca.orgLee GutermanDeputy Director, IEHSchool Construction Authority30-30 Thomson Ave.Long Island City, NY 11101email: dguterman@nycsca.org04/21/11-Hiralkumar Patel. as per ACRIS record, the site owned by the city of new york.10:38 AM:- left message for Ms. Ornektekin to confirm property ownership.4:13 PM:- sent letter to Ms. Ornektekin. asked her to submit tank test result and manhole pit cleanup report by the end of 05/06/11 and to submit Phase I and work plan for soil and groundwater investigation by the end of 06/06/11. letter emailed to Ms. Ornektekin, Ms. Guterman, Mr. Lempert and Mr. Pardus.04/25/11-Hiralkumar Patel.9:43 AM:- received message from Manindra from Board of Education.9:54 AM:- spoke with Mr. Sharma. they have hired PTC for tank test. Mr. Sharma mentioned that tank #1

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

will be tested tomorrow and tank #2 will be tested after three weeks as has oil in it. informed Mr. Sharma that both tanks must be tested and results must be submitted on or before 05/06/11. Mr. Sharma also mentioned that oil leaked into the building from the area where pipes enters into building and he suspect that whatever oil spilled into manway pit on top of tank #2 has travelled along pipes into the building. asked Mr. Sharma to clean out the pit and schedule a site inspection.Munendra SharmaBoard of EducationPh. (347) 219-7804email: msharma@schools.nyc.gov04/27/11-Hiralkumar Patel. another spill (1100954) reported as both tanks failed a tightness test.9:39 AM:- spoke with Ray at PTC. he confirmed that both tanks were empty and only tanks were tested. no test performed on any lines.9:46 AM:- spoke with Mr. Sharma. he mentioned that tank #1 had only water in it. they will clean the tank #2. informed Mr. Sharma that the department also requires isolation test of all lines for both tanks. asked Mr. Sharma to provide contact info for person-in-charge at SCA as any further work will be referred to SCA.10:11 AM:- sent email to Mr. Sharma. asked him to perform isolation test of all lines for both tanks. also asked him to provide contact info of a person in SCA who will handle the project. email copied to Ms. Ornektekin, Ms. Guterman, Mr. Lempert and Mr. Pardus.05/05/11-Hiralkumar Patel.9:14 AM:- received call from Mr. Pardus. he mentioned that Mr. Sharma is working on lines test and will send document. Mr. Pardus discuss about location of soil borings during next investigation. he was proposing borings at former boring locations SB-1, SB-2, SB-4 and SB-5 as they found visual impact. informed him that the department requires complete delineation of soil contamination which requires more borings. asked him to installed at least two borings on north side of tank #2 (towards the sidewalk and one on each side of former boring SB-2), two borings on south side of tank #1 (towards the building boiler room and one on each side of former boring SB-5), one boring at former boring SB-4 and one (or two) on sidewalk west of SB-1 (to delineate contamination found in SB-2). also suggest him to install borings inside the boiler room, but Mr. Pardus suspect that boiler room floor is under water. suggest him to install one of the monitoring well at the former boring location SB-3, the area towards the next door residence. Mr. Pardus will submit work plan next week.9:35 AM:- sent email to Mr. Sharma reminding that line test and manway pit cleanup report are due tomorrow. email copied to Mr. Ornektekin.05/06/11-Hiralkumar Patel.3:06 PM:- received message from Ray from PTC.3:53 PM:- spoke with Ray. he mentioned that they cleaned out both tanks earlier this week. when they returned today, they found about 200 gal of water in tank #1. tank #2 was dry. when they drilled holes through bottom of tank #2 to collect soil samples from underneath the tank, water started coming in. Ray will talk to Mr. Pardus about sampling around the tanks.05/09/11-Hiralkumar Patel. received email from Ms. Ornektekin (at 7:05 PM on 05/06/11) including tank test results. Ms. Ornektekin mentioned that both tanks failed the test and were immediately taken out of service. she also mentioned that water was backed up into the tank as PTC tried to collect soil samples, but it is not clear whether water backed up in both tank or only one and whether it came from corrosion holes (which were opened up after tank was cleaned up) or through holes cut by PTC in an attempt to collect soil samples. they will do line tests on 05/11/11 and will submit line test result and manway cleanup report after 05/11/11. Ms. Ornektekin also mentioned about submitted Phase I report, but the attached document was a Phase II report dated

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

09/16/09 and not the Phase I report.05/11/11-Hiralkumar Patel.9:24 AM:- received call from Mr. Sharma. he mentioned that there is still more cleanup needed in manway and they will submit manway cleaning report tomorrow.05/12/11-Hiralkumar Patel. Mr. Pardus hand delivered work plan. abstract:- proposed to install four soil borings (SB-6 through SB-9) and three monitoring wells (MW-1 through MW-3)- wells MW-2 will be installed at the former boring SB-4 and well MW-3 will be installed at the former boring SB-3- soil will not be tested during installation of wells MW-2 and MW-3 as it was tested during 2009 investigation (as per boring log from Sep. 2009 investigation, bedrock was found at 12 ft depth at the end of borings, so no need for soil testing from MW-2 and MW-3)- two soil samples will be collected: one from the one-foot interval in the unsaturated zone exhibitin the greatest evidence of the contamination and one from the groundwater interface- three 2-inch wells will be installed to a maximum depth of 25 ft bg- 8 ft screen length will be utilized and placed with care so that the screen does not cross the overburden-bedrock interface and potentially create a pathway for petroleum migration into the bedrock- sand-pack will terminate a minimum of 3 ft below the bedrock interface so that a bentonite seal can be placed within the bedrock that extends upto to the overburden- two rounds of water level measurements will be collected during the week following well installation- if groundwater impacts are identified at the location of MW-3, will inspect neighbouring property basement4:08 PM:- received email from Ms. Ornektekin including pics of cleaned manway, affidavit regarding temporary abandonment of tanks and affidavit about result of lines test. as per affidavit from PTC, all lines were tested and leak found in return lines for both tanks. Ms. Ornektekin also mentioned that soil samples were collected and sent for analysis, but as per letter response dated 05/06/11, water backed up in tanks so soil sampling was not possible. she also mentioned that tank removal work has been referred to SCA.05/17/11-Hiralkumar Patel.3:56 PM:- sent email to Ms. Ornektekin and asked her to submit revised response becuase of following reasons:1. It does not include a Phase I report. Please refer to DER-10 Appendix 3A.2. The letter includes a copy of tank system test which shows leak in a dry portion of both tanks. As per the affidavit from Petroleum Tank Cleaners (PTC), all lines were tested and return lines for both tanks were found leaking. But the letter does not include results of 'tank only' test to confirm whether any leak from tanks or not. Please submit results of tank only test.3. As per the letter, PTC tried to collect soil samples but was not successful because water backed up into the tank. But as per your email dated 05/12/11, soil samples have been submitted to lab for analysis. Also, it is unclear whether water backed up in both tanks or only one tank and was there any corrosion hole(s) or hole(s) made by PTC in an attempt to collect soil samples under the tank bottom. Please clarify these.4. As per your email dated 05/12/11, this case has been referred to SCA for tanks removal, but on other side I have received a work plan from Mr. Pardus regarding soil/groundwater investigation. If SCA choose to remove the tanks in near future, then soil/groundwater investigation will only be required based on observation after tanks removed. asked her to submit revised response by 05/20/11. email copied to Ms. Sharma, Ms. Guterman, Mr. Pardus, Mr. Lempert, Braren Volkert (VBraren@schools.nyc.gov) and Shea John (JShea3@schools.nyc.gov).4:14 PM:- received call from Ms. Ornektekin inquiring about email sent

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

earlier. informed her that there are some information either missing or confusing in the previous response and the department requires submission of a revised response with all the details and pics. also explained her about Phase I report. suggested her to check with SCA as they might have done Phase I investigation when NYC baught the property. asked Ms. Ornektekin about tank removal referral to SCA. she mentioned that due to funding issue, the project was cancelled, but now they are bidding again for the project. informed her that if tank removal happens soon then no need for soil/groundwater investigation at this time. she will talk to SCA to expedite tank removal work to save cost for soil/groundwater investigation.05/23/11-Hiralkumar Patel.11:04 AM:- received email from Mr. Sharma including revised response from DOE. letter signed by Ms. Ornektekin and it includes color pics of cleaned manway on tank top, affidavit regarding temporary abandonement of both tanks, affidavit about lines tests and tank test results. Ms. Ornektekin mentioned that Phase I investigation would not be applicable since the work being performed is associated with closing the USTs. she also mentioned that SCA will proceed with the supplemental subsurface investigation and based on results of the investigation, SCA will prepare specification to abandon the tanks due to structural concerns for the school and an adjacent building.as per Ms. Ornektekin, PTC made one hole at the bottom of tank #2 when trying to obtain the soil samples, that was not possible since water penetrated back into the tank. a second attempt was made approx. 2 ft from the bottom of the tank and obtained soil samples. also collected soil samples from tank #1 from area 2 ft above the tank bottom. total of four soil samples were taken from each tank and sent for analysis. soil sample results will be available after 05/27/11.11:21 AM:- sent email to Mr. Sharma and asked him to submit an official document from the tank testing company stating that tanks only were tested on 04/26/11, which failed.11:33 AM:- spoke with Mr. Pardus regarding proposed well screen completely inside bedrock. Mr. Pardus mentioned that during previous investigation, groundwater was not found and they observed only stained soil. as such they don't expect free product on bedrock. informed him that previous borings were ended before depth of tank bottom and during recent hole through bottom of tank #2, water penetrated into the tank. as such, asked Mr. Pardus to submit a revised work plan including proposal to address any free product found under/around the tank.12:31 PM:- spoke with Ray at PTC. he mentioned that about 1,000 gal oil and water mixture seeped into tank through hole made at the bottom of the tank #2. he also mentioned that oil found in soil samples collected from side of the tanks.12:50 PM:- sent email to Mr. Pardus and asked him to submit a revised work plan. informed him that based on findings of oil/water into tank and oil in soil samples collected from side of the tanks, the department requires investigation/remediation of contamiation exists on top of bedrock. also informed him that the department rquires larger than 2 inch diameter wells to remediate thick #6 oil.05/24/11-Hiralkumar Patel.8:27 AM:- received email from Mr. Sharma including letter from PTC confirming that tank tests done on 04/26/11 were tank only tests.2:13 PM:- received email from Mr. Pardus. he mentioned that inverts of USTs are approx. 10 ft below ground surface and soil borings during 2009 investigation were installed below tank inverts except boring SB-2. he also mentioned that due to access issue in the courtyard, they can not install larger than 2 inch well with available machine. they will use vacuum truck if any product found

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

during boring/well installation. if product found on bedrock, they will adjust and install well screen only above the bedrock to avoid creating a new preferential pathway for petroleum migration.reviewed 2009 report and it is not clear what was the reference point for measuring boring depths in courtyard: courtyard level or street level.05/25/11-Hiralkumar Patel.10:31 AM:- left message for Mr. Pardus and asked him about reference point for measuring boring depth in courtyard.4:08 PM:- received email from Mr. Pardus. he mentioned that the references to depths below grade of the borings installed in the 2009 investigation are dependent upon their location. SB-2 through SB-5 were installed in the courtyard around the USTs and thus their depth is measured from the courtyard level. he also mentioned that based upon field observations, the dip tubes extend approximately 2 feet below the courtyard grade to the top of the USTs, which have an 8 foot diameter. thus the inverts of the USTs are approximately 10 feet below the courtyard grade. therefore, with the exception of SB-2, soil borings near the USTs were extended below the UST inverts.05/26/11-Hiralkumar Patel.9:50 AM:- received call from Mr. Pardus. based on available inforamtion (borings below tank bottom during 2009 investigation and oil/water entering into tank) asked Mr. Pardus to install three proposed wells to bedrock surface only, and not into the bedrock (to avoid any further migration of any product). they have scheduled well installation on 05/31/11. he also mentioned that as per their geologist, groundwater is about at 50-55 ft bg in the area. scheduled a site visit at 2:30 PM today to observe condition inside the tank.2:30 PM:- visited site. met Mr. Pardus. as the old stick line was cut, could not inspect the tank inside as no one was available with confined space permit. Mr. Pardus will confirm tank diameter and depth of tank invert. the courtyard is about 4 ft below street level.06/01/11-Hiarlkumar Patel. received email from Mr. Sharma (at 10:56 AM on 05/31/11) including results of soil samples collected through sides of the tanks. minor VOC contamination found in some samples. SVOCs were not detected in any soil samples but the method detection limits were higher.12:44 PM:- sent email to Mr. Sharma and asked him to submit another copy of soil sample results as the submitted one is not scanned properly. also informed him that as per the submitted site map, it looks like soil samples were taken through the tank bottom instead of through the sides. asked him to submit revised SCALED site map with sample location and depth. email copied to Ms. Ornektekin and Mr. Pardus.06/06/11-Hiralkumar Patel. received email from Mr. Pardus (at 11:04 AM on 06/03/11). Mr. Pardus included email from Michael Tumulty from STV. Mike checked both tanks for any water/product in it. he found less than 1 inch of water/sediment in tank #1 and less than 1 inch of damp sediment in the bottom of tank #2. both tanks are 8 ft diameter tanks. depth from grade to the invert of the tank #1 was approx. 12 ft and depth from grade to the invert of the tank #2 was approx. 11 ft 9 inches.06/07/11-Hiralkumar Patel.10:04 AM:- spoke with Mr. Pardus. he mentioned that three wells were installed yesterday. they have collected soil samples during well installation and will collect water samples after well development.06/15/11-Hiralkumar Patel.2:16 PM:- received sample results from Mr. Pardus.- three wells (MW-1 to MW-3) and four soil borings (SB-6 to SB-9) installed- one soil sample collected from four soil borings and one well (MW-1) installed on sidewalk- no soil sample collected during well installation at former boring locations SB-3 (MW-2) and SB-4 (MW-2)- refusal found at 6.5 ft in SB-6, at 8 ft in SB-7 and SB-8 and at 9 ft in SB-9- refusal found

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

at 9 ft bg in MW-1, at 6 ft in MW-2 and 12 ft in MW-3- during well installation, borings continued with air-rotary attachement after finding refusal with geoprobe- well MW-1 was installed to 25 ft bg, MW-2 was installed to 18 ft bg and MW-3 was installed to 22 ft bg- no PID or other visual observation of any contamination noted in all four borings and wells MW-1 and MW-3- found slightly stained soils at 12 ft bg (within weathered rock) in MW-2- no contamination found in soil or groundwater samples- groundwater was found at 16.61 ft in MW-1, 14.15 ft in MW-2 and 12.64 ft in MW-3- wells set up with screen in bedrock, but screen is below water table in MW-1 and MW-306/29/11-Hiralkumar Patel. discussed with DEC Austin. he asked for remediation of contamination between the tank and building foundation wall.1:40 PM:- met with Mr. Pardus, Mr. Tumulty and Mr. Kanaparthi (SCA). Mr. Tumulty mentioned that tank top is at 4 ft bg and tank bottom is at 12 ft bg. as tank removal is not possible, tanks will be abandoned in place. Mr. Kanaparthi mentioned that tanks abandonement will occur after 4-5 months.based on available information, asked Mr. Kanaparthi to remediate the contamination between the tanks and the building foundation wall. discussed about horizontal perforated pipes through the building foundation wall to capture product. they agreed and will design a recovery system. asked Mr. Pardus to survey depth of contamination found in boring/well and petroleum seepage found inside the building and design a recovery system accordingly. asked Mr. Pardus to submit system design by 07/11/11 and complete installation by end of July 2011.Srinivas Kanaparthi Industrial Hygienist NYC School Construction Authority Industrial and Environmental Hygiene Division 30-30 Thomson Avenue Long Island City, New York Ph. (718) 472-8620 Fax (718) 472-8000email: skanaparthi@nycsca.orgMichael TumultySTV IncorporatedPh. (212) 614-3369 (917) 545-9619 (C)Fax (646) 654-1861email: michael.tumulty@stvinc.com4:15 PM:- received email from Michael including screen interval info. screen installed in well MW-1 from 17 to 25 ft bg, in MW-2 from 8 to 18 ft bg and in well MW-3 from 14 to 22 ft bg.07/07/11-Hiralkumar Patel.1:51 PM:- received email from Mr. Pardus including skeches of remedial system. Mr. Pardus proposed installation of one 2 ft long - 2 inch diameter slotted PVC pipe to recover product. he prposed to install slotted pipe in upper portion, right underneath the supply/return line location.the proposal is not acceptable, as it proposes to install only one recovery pipe. the department requires more than one pipe and at different depths to the bottom. also need to know what is the distance between the wall and tank end.07/13/11-Hiralkumar Patel.10:57 AM:- left message for Mr. Pardus.11:14 AM:- received message from Mr. Pardus. he mentioned that they are making changes to the proposed recovery system and will send updated drawings.07/21/11-Hiralkumar Patel.9:58 AM:- left message for Mr. Pardus inquiring about recovery system drawings.3:31 PM:- received call from Mr. Pardus. he received revised recovery system drawings from STV today and once he has approved from SCA, he will submit drawings for review.07/22/11-Hiralkumar Patel.1:22 PM:- received email from Mr. Pardus including revised recovery system design. he proposed to install two sets of pipes at two elevations (total four perforated pipes). he proposed these pipes in the area where supply/return lines run. the proposed design is not accepted as it does not include any recovery piping at lower elevation.2:48 PM:- spoke with Mr. Pardus. asked him to revised design including pipes at probably three different elevations: one where supply/return runs,

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

one in area of bedrock surface (which was found at 18 ft bg) and one in between. also asked him to check possibilities for recovery pipes installed through boiler room wall. Mr. Pardus will talk to SCA and will call back.3:11 PM:- sent email to Mr. Pardus with above discussion. email copied to Mr. Tumulty and Mr. Kanaparthi.4:06 PM:- received email from Mr. Pardus. he mentioned that to recover #6 oil from long distance, they would have to install multiple recovery mains, 45 degree elbows and clean-outs. additionally, the competent bedrock is located below the static groundwater depth and below the depth where oil staining of the walls was observed, there is a risk of flood in the basement and the storage capacity of the recovery system would be hydraulically overloaded with groundwater very quickly. so Mr. Pardus proposed following:1) the basement wall be powerwashed and monitor for 3 months to see if oil seepage returns.2) at the same time, install the recovery system as discussed with three elevations by three penetrations per elevation (nine total). the elevations would be: - appx. 7 feet below the ground surface (i.e., 9"+ above the floor adjacent to the stained wall), - appx. 6 feet below the ground surface (i.e., at the soil/bedrock interface) and - appx. 3 feet below the ground surface (i.e., in the aggregate for the utility trench)3) collect the oil into a container (appx. 50 gallon capacity, 6" tall; probably field fabricated) and monitor for 3 months.4) fill and abandon the USTs and prepare a UST Closure Report, since the oil has been removed and the tanks cleaned.5) if no oil is recoverable at the end of this period, SCA would request a Notice of No Further Action, since petroleum impacts would be limited and not accessible.Mr. Pardus asked if this plan works so they can submit revised sketches.07/25/11-Hiralkumar Patel.12:38 PM:- sent email to Mr. Pardus. informed him that proposed plan looks fine and asked him to submit letter with revised sketches. email copied to Mr. Tumulty and Mr. Kanaparthi.07/27/11-Hiralkumar Patel.12:08 PM:- received email from Mr. Pardus including revised design. 08/03/11-Hiralkumar Patel.11:23 AM:- sent email to Mr. Pardus approving the recovery system proposal. asked him to send schedule for its installation. email copied to Mr. Kanaparthi and Mr. Tumulty.09/01/11-Hiralkumar Patel.2:59 PM:- received call from Mr. Pardus. he mentioned that contractor is doing powerwash of the impacted wall and installing recovery pipes today.09/09/11-Hiralkumar Patel.10:18 AM:- visited site. inspected basement room where leak was noticed. basement wall was powerwashed. some stain around supply/return line area for tank #2. product recovery system has been installed.10/18/11-Hiralkumar Patel. received supplemental UST investigation report (data was submitted earlier).03/05/12-Hiralkumar Patel.11:40 AM:- sent email to Mr. Pardus inquiring updates. email copied to Mr. Kanaparthi, Mr. Sharma, Ms. Guterman, Mr. Gochenauer and Mr. Ornektekin.11:40 AM:- email sent to Mr. Pardus and Mr. Gochenauer came back undelivered.11:44 AM:- spoke with Mr. Pardus. he asked to contact Mr. Kanaparthi for updates.11:46 AM:- left message for Mr. Kanaparthi.4:23 PM:- received email from Mr. Kanaparthi. he mentioned that their consultant, STV is making regular visits (every 3 weeks). they will make one more visit on 03/12/12 and will prepare a quarterly progress report. report will be submitted by 03/30/12.04/24/12-Hiralkumar Patel. received spill closure report from STV. abstract:- starting on 09/08/11, the monitoring program was generaly performed on a daily basis for the first week, weekly during the next three weeks, and monthly for the following two months of monitoring- no petroleum product was observed in the recovery tank

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

during any of the monitoring field visit- on 12/05/11, evidence of minor petroleum seepage was observed beneath one of the nine wall penetrations (indicating the seal was not adequate)- on 12/09/11 (the final day of scheduled 3-months of monitoring), wells MW-1, MW-2 and MW-3 were gauged as a result of the observed seepage from 12/05/11- no separate phase product was observed in MW-1 or MW-3; however, initially approx. 0.17 ft (2 inch) of product were observed in MW-2- due to product in MW-2, monitoring was continued for an additional three months (through 03/08/12)- absorbent socks were deployed in MW-2 on 12/19/11- during each site visit from 12/19/11 to 02/23/12 spent absorbent socks were removed and replaced in MW-2- during the final inspection on 03/08/12, product thickness measurements ranged from not detected to less than 0.02 ft (1/8th inch) after the absorbent socks were removed- conclusion: absence of petroleum in the recovery tank during the six months of monitoring indicates the immobility of residual #6 fuel oil product in the UST area subsurface- recommendation: basement product recovery system be dismantled and USTs be closed in-place by filling with inert materialreviewed previous Supplemental UST Investigation dated 09/30/11 which indicates that the screen in wells MW-1 and MW-3 were below the water table which could be reason for no product in these wells. also, as per discussion with Ray from PTC, on 05/23/11, about 1,000 gal oil/water mixture seeped back into tank through holes cut in bottom of tank # 2.05/22/12-Hiralkumar Patel.10:19 AM:- spoke with Mike at STV. discussed about screen below water table in wells MW-1 and MW-3 which could be reason for no product in those wells. Mike mentioned that during final visit on 03/08/12, they removed absorbent socks from MW-2. asked him to gauge all three wells again and check tanks for any accumulation of water/oil. informed him that based on the result, the department may require drilling through tank bottom to facilitate recovery of any free product under the tanks.11:12 AM:- sent email to Mike and asked to submit well gauging/tank inspection result by 06/15/12. informed him that based on the result, the department may require drilling through tank bottom. email copied to Ms. Guterman, Ms. Ornektekin, Mr. Pardus, Mr. Kanaparthi, Mr. Sharma and Mr. Lempert.05/23/12-Hiralkumar Patel.11:44 AM:- received message from Mike. he inquired about what work needs to be done inside the tanks.3:19 PM:- spoke with Mike. asked him to check tanks for any product accumulation.09/21/12-Hiralkumar Patel.10:04 AM:- received email from Mike including status report. abstract:- three wells and two tanks were gauged on 06/11/12, 07/25/12 and 08/23/12- found approx. 2 inches of product in well MW-2 during all three gauging events- found floating discontinous material on water in both tanks during all three gauging events- gauging events were followed by product recovery event conducted on 06/28/12, 07/26/12 and 08/24/12, by using vac-truck- recommended continuing product gauging and recovery on bi-monthly basis for six month period10/30/12-Hiralkumar Patel.1:07 PM:- sent email to Mike. informed him that the department agrees with the recommendation of bi-monthly gauging/recovery events for six month period. asked him to submit status report by the end of 05/31/13. email copied to Stephen Kline (stephen.kline@gza.com) and Mr. Kanaparthi.11/06/12-Hiralkumar Patel.2:51 PM:- received email from Mike. they will start bi-monthy events from this month.05/31/13-Hiralkumar Patel.12:19 PM:- received status report from STV Inc. abstract:- horizontal recovery system through building wall, was operational and was monitored from Sept. 2011 to Mar. 2012- no product every observed in horizontal recovery system tank- product

INTERMEDIATE SCHOOL 113X (Continued) **S102239002**

was measured in well MW-2 and within the northernmost of the two USTs- conducted bi-monthly gauging/recovery events- approx. 3 inches of product found in well MW-2 during each event- thin layer of product observed on water in tank- proposes: 1) abandonment of two USTs, 2) abandonment of MW-2, 3) re-drill a 4 or 6 inch product recovery well, 4) monthly purging of recovery well07/22/13-Hiralkumar Patel. discussed with DEC Austin and DEC Vought. due to product on water table, case will be transferred to remediation.07/26/13-Hiralkumar Patel. after discussion, case assigned to DEC Kann.1:40 PM:- sent letter to Mr. Kanaparthi and asked him to submit work schedule by the end of 08/23/13 for UST closure, removal of MW-2 and redrilling of 4- or 6 inch diameter recovery well and monthly purging of recovery well. letter emailed to DEC Kann and Mike.**as per one of the plan (drawing 1 of 8), it was planned to excavate to 17 ft 8 inches below grade for fuel tanks with tank manholes flushed with pavement.**8/26/13: J.Kann - received an extension request from NYSCA to submit the work schedule on 9/13/13. Extension granted in an email.12/3/13: J.Kann - Remedial Action Proposal/Scope of Work submitted on 9/12/13. Plan reviewed. Includes scope approved in the July 26 letter. Followed up with SCA today via email to find out the schedule.10/15/14: J.Kann - received a call from robert fields (STV, 212-614-3450) who indicated that work on the recovery well will be done on Saturday October 18. Additional work (tank closure, recovery system decommissioning) will take place on November 8 and 11. A schedule of work was emailed to me.1/5/15: J.Kann - email sent today to robert fields requesting an update.

Remarks: Caller states that during an inspection it was noticed oil stains on the inside of a foundation wall by the supply line of above tank. Further testing is pending.

Material:

Site ID:	408959
Operable Unit ID:	1165464
Operable Unit:	01
Material ID:	2156873
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

96
NNE
1/8-1/4
0.238 mi.
1258 ft.

J & J CLEANERS
3728 BRONXWOOD AVE
BRONX, NY 10469

RCRA NonGen / NLR
FINDS
MANIFEST

1000120348
NYD981079189

Relative:
Higher

Actual:
152 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	J & J CLEANERS
Facility address:	3728 BRONXWOOD AVE BRONX, NY 104691066
EPA ID:	NYD981079189
Mailing address:	BRONXWOOD AVE BRONX, NY 10469
Contact:	Not reported
Contact address:	BRONXWOOD AVE BRONX, NY 10469
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

J & J CLEANERS (Continued) **1000120348**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: J & J CLEANERS
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: J & J CLEANERS
Classification: Not a generator, verified

Date form received by agency: 05/20/1985
Site name: J & J CLEANERS
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 02/06/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110001566449

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD981079189

J & J CLEANERS (Continued) **1000120348**

Country: USA
Location Address 1: 3728 BRONXWOOD AVENUE
Location Address 2: Not reported
Location City: BRONX
Location State: NY
Location Zip Code: 10469
Location Zip Code 4: Not reported

Mailing Info:
Name: J & J CLEANERS
Contact: J & J CLEANERS
Address: 3728 BRONXWOODAVENUE
City/State/Zip: BRONX, NY 10469
Country: USA
Phone: 212-655-9993

Manifest:

Document ID: NYC1425633
Manifest Status: Completed copy
Trans1 State ID: NYAY9381
Trans2 State ID: Not reported
Generator Ship Date: 01/08/1992
Trans1 Recv Date: 01/08/1992
Trans2 Recv Date: / /
TSD Site Recv Date: 01/08/1992
Part A Recv Date: 01/21/1992
Part B Recv Date: 01/17/1992
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1992

Document ID: NYA3284820
Manifest Status: Completed copy
Trans1 State ID: IL009
Trans2 State ID: Not reported
Generator Ship Date: 10/23/1986
Trans1 Recv Date: 10/23/1986
Trans2 Recv Date: / /
TSD Site Recv Date: 10/23/1986
Part A Recv Date: 10/28/1986
Part B Recv Date: 10/28/1986
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD000805911
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV

J & J CLEANERS (Continued) **1000120348**

Quantity: 00120
Units: P - Pounds
Number of Containers: 002
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1986

Document ID: NYC1104017
Manifest Status: Completed copy
Trans1 State ID: NYHW8207
Trans2 State ID: Not reported
Generator Ship Date: 07/23/1991
Trans1 Recv Date: 07/23/1991
Trans2 Recv Date: / /
TSD Site Recv Date: 07/23/1991
Part A Recv Date: 07/31/1991
Part B Recv Date: 07/31/1991
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1991

Document ID: NYC0873224
Manifest Status: Completed copy
Trans1 State ID: NYEU1732
Trans2 State ID: Not reported
Generator Ship Date: 04/03/1991
Trans1 Recv Date: 04/03/1991
Trans2 Recv Date: / /
TSD Site Recv Date: 04/03/1991
Part A Recv Date: 04/10/1991
Part B Recv Date: 04/11/1991
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1991

J & J CLEANERS (Continued) **1000120348**

Document ID:	NYC0930543
Manifest Status:	Completed copy
Trans1 State ID:	NYHW8207
Trans2 State ID:	Not reported
Generator Ship Date:	04/30/1991
Trans1 Recv Date:	04/30/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/30/1991
Part A Recv Date:	05/10/1991
Part B Recv Date:	05/08/1991
Generator EPA ID:	NYD981079189
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1991

Document ID:	NYC0825478
Manifest Status:	Completed copy
Trans1 State ID:	AM6252NY
Trans2 State ID:	Not reported
Generator Ship Date:	03/05/1991
Trans1 Recv Date:	03/05/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/05/1991
Part A Recv Date:	03/12/1991
Part B Recv Date:	03/11/1991
Generator EPA ID:	NYD981079189
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1991

Document ID:	NYC1044955
Manifest Status:	Completed copy
Trans1 State ID:	NYLP3931
Trans2 State ID:	Not reported
Generator Ship Date:	06/26/1991
Trans1 Recv Date:	06/26/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/26/1991
Part A Recv Date:	07/05/1991

J & J CLEANERS (Continued) **1000120348**

Part B Recv Date: 07/05/1991
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1991

Document ID: NYC1213424
Manifest Status: Completed copy
Trans1 State ID: AM6252NY
Trans2 State ID: Not reported
Generator Ship Date: 09/18/1991
Trans1 Recv Date: 09/18/1991
Trans2 Recv Date: / /
TSD Site Recv Date: 09/18/1991
Part A Recv Date: 09/27/1991
Part B Recv Date: 09/26/1991
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1991

Document ID: NYC0676754
Manifest Status: Completed copy
Trans1 State ID: EV1732NY
Trans2 State ID: Not reported
Generator Ship Date: 01/24/1991
Trans1 Recv Date: 01/24/1991
Trans2 Recv Date: / /
TSD Site Recv Date: 01/24/1991
Part A Recv Date: 02/12/1991
Part B Recv Date: 02/11/1991
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001

J & J CLEANERS (Continued) **1000120348**

Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1991

Document ID: NYC1275985
Manifest Status: Completed copy
Trans1 State ID: NYMW8207
Trans2 State ID: Not reported
Generator Ship Date: 10/16/1991
Trans1 Recv Date: 10/16/1991
Trans2 Recv Date: / /
TSD Site Recv Date: 10/16/1991
Part A Recv Date: / /
Part B Recv Date: 11/04/1991
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1991

Document ID: NYA9740474
Manifest Status: Completed copy
Trans1 State ID: NYLP3931
Trans2 State ID: Not reported
Generator Ship Date: 09/20/1989
Trans1 Recv Date: 09/20/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 09/20/1989
Part A Recv Date: 09/25/1989
Part B Recv Date: 09/26/1989
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1989

Document ID: NYC0537737
Manifest Status: Completed copy
Trans1 State ID: AY9381NY

J & J CLEANERS (Continued) **1000120348**

Trans2 State ID:	Not reported
Generator Ship Date:	10/17/1990
Trans1 Recv Date:	10/17/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/17/1990
Part A Recv Date:	10/25/1990
Part B Recv Date:	10/30/1990
Generator EPA ID:	NYD981079189
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1990

Document ID:	NYA9499724
Manifest Status:	Completed copy
Trans1 State ID:	LP3931NY
Trans2 State ID:	Not reported
Generator Ship Date:	05/31/1989
Trans1 Recv Date:	05/31/1989
Trans2 Recv Date:	/ /
TSD Site Recv Date:	05/31/1989
Part A Recv Date:	06/07/1989
Part B Recv Date:	06/06/1989
Generator EPA ID:	NYD981079189
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1989

Document ID:	NYC0194409
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	04/03/1990
Trans1 Recv Date:	04/03/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/03/1990
Part A Recv Date:	04/25/1990
Part B Recv Date:	04/18/1990
Generator EPA ID:	NYD981079189
Trans1 EPA ID:	ILD051060408

J & J CLEANERS (Continued) **1000120348**

Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1990

Document ID: NYC0395008
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 07/25/1990
Trans1 Recv Date: 07/25/1990
Trans2 Recv Date: / /
TSD Site Recv Date: 07/25/1990
Part A Recv Date: 08/21/1990
Part B Recv Date: 08/14/1990
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1990

Document ID: NYC0295896
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 05/30/1990
Trans1 Recv Date: 05/30/1990
Trans2 Recv Date: / /
TSD Site Recv Date: 05/30/1990
Part A Recv Date: 07/31/1990
Part B Recv Date: 06/11/1990
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100

J & J CLEANERS (Continued) **1000120348**

Year: 1990

Document ID: NYC0046359
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 01/10/1990
Trans1 Recv Date: 01/10/1990
Trans2 Recv Date: / /
TSD Site Recv Date: 01/10/1990
Part A Recv Date: 01/18/1990
Part B Recv Date: 01/19/1990
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1990

Document ID: NYA9851578
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 12/19/1989
Trans1 Recv Date: 12/19/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 12/19/1989
Part A Recv Date: 12/28/1989
Part B Recv Date: 12/28/1989
Generator EPA ID: NYD981079189
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1989

Document ID: NYA9290125
Manifest Status: Completed copy
Trans1 State ID: Not reported
Trans2 State ID: NYAY9381
Generator Ship Date: 02/07/1989
Trans1 Recv Date: 02/07/1989

J & J CLEANERS (Continued) **1000120348**

Trans2 Recv Date:	/ /
TSD Site Recv Date:	02/07/1989
Part A Recv Date:	02/10/1989
Part B Recv Date:	02/13/1989
Generator EPA ID:	NYD981079189
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1989

Document ID:	NYA9236766
Manifest Status:	Completed copy
Trans1 State ID:	NYPP4503
Trans2 State ID:	Not reported
Generator Ship Date:	01/12/1989
Trans1 Recv Date:	01/12/1989
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/12/1989
Part A Recv Date:	01/18/1989
Part B Recv Date:	01/19/1989
Generator EPA ID:	NYD981079189
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1989

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97 **904 BURKE AVENUE, LLC** **LTANKS** **S103558925**
South **904 BURKE AVENUE** **NY Spills** **N/A**
1/4-1/2 **BRONX, NY 10469** **BROWNFIELDS**
0.393 mi.
2074 ft.

Relative:
Lower

Actual:
98 ft.

LTANKS:

Site ID:	93120
Spill Number/Closed Date:	9811867 / 12/20/1999
Spill Date:	12/21/1998
Spill Cause:	Tank Overfill
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	0301

904 BURKE AVENUE, LLC (Continued) **S103558925**

Investigator:	JMROMMEL
Referred To:	Not reported
Reported to Dept:	12/21/1998
CID:	351
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	12/21/1998
Spill Record Last Update:	7/8/2004
Spiller Name:	ROBERT COSTA
Spiller Company:	J & S AUTO REPAIRS
Spiller Address:	904 BURKE AVE
Spiller City,St,Zip:	BRONX, NY
Spiller County:	001
Spiller Contact:	MIKE FLYNN
Spiller Phone:	(516) 807-4557
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	83506
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "R0MMEL"Reassigned from Tibbe to Rommel 12/20/99.Closed and cross referenced to 9900995.
Remarks:	CALLER ON SITE REMOVING 12 GASOLINE UST'S AND FOUND CONTAMINATED SOIL WHICH APPEAR TO BE A RESULT OF TANK OVER FILLS - COMP WOULD LIKE A CALL FROM A CASE MANAGER BECAUSED THEY DO NOT HAVE THE CAPABILITY TO STOCK PILE

Material:

Site ID:	93120
Operable Unit ID:	1069129
Operable Unit:	01
Material ID:	312149
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SPILLS:

Facility ID:	9900995
Facility Type:	ER
DER Facility ID:	264363
Site ID:	328489
DEC Region:	2
Spill Date:	4/26/1999
Spill Number/Closed Date:	9900995 / Not Reported

904 BURKE AVENUE, LLC (Continued) **S103558925**

Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	0301
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	4/26/1999
CID:	252
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	4
Date Entered In Computer:	4/26/1999
Spill Record Last Update:	6/29/2009
Spiller Name:	ROBERT COSTA
Spiller Company:	J & S AUTO REPAIRS
Spiller Address:	904 BURKE AVE
Spiller City,St,Zip:	BRONX, NY
Spiller Company:	001
Contact Name:	BOB COSTA
Contact Phone:	(914) 997-1814
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"6/28/99Spoke to Matt Schneck Envirotrac. They were contracted by the executor of the estate (Robert Costa) of the former owner of the property. Formerly, Able Tank removed 10x550 gasoline USTs and backfilled the contaminated soil. Envirotrac performed borings and encountered significantly contaminated soil. They returned and excavated 280 tons of soil to the bedrock surface (6 feet below grade). They removed all loose concrete. Portion of slab poured onto bedrock they could not remove and just cleaned around. They collected four endpoint samples from the soil/bedrock interface. Some compounds above STARS. They cleaned the bedrock surface and inspected for fractures, none encountered. Pictures taken. No perched water encountered during excavation. Envirotrac sent report in April, DEC never rec'd. Will make copies of bdrk photos and resend report. Envirotrac will research location of former fills and pump islands. PBS#2-603455 just waste oil tank. 550's never registered by Able Tank??? JMRTank Removal Summary: Excavated 285 tons impacted soil, NE corner of excavation: flare-up during excavation (in vicinity of former pump island), four endpoint samples, exceeds STARS at north and south walls. Didn't investigate under PI. Location of fills still unk.12/20/99-Letter sent requiring tank registration, delineation of soil contamination and a minimum of one gw monitoring well.7/31/02 - Ed Russo of Envirotrac (631-471-1500) called Sangesland requesting help in getting the site closed out. Mr. Russo faxed back to DEC a copy of Jenn Rommel's letter 12/20/99 outlining additional work required. Mr. Russo asked if he did the work requested, would the DEC close out the case. Sangesland spoke with Rommel (she reread the letter) - Yes - Envirotrac should do the tasks outlined. Based on the results, DEC will review the need for additional work. 8/12/02 Bob Kosta called (941) 394-9999. He wants to sell the property, and therefore now wants to satisfy the requirements in DEC's letter dated

904 BURKE AVENUE, LLC (Continued) **S103558925**

12/20/99. Faxed Contractors List to Bob. Shortly after received phone call from MillerEnmtl who inquired what needed to be done at the site.Checked PBS, tanks still not registered as required in DEC's 12/20/99 letter.11:45 Spoke to Robert Kosta again. He indicated that the fills were on top of the tanks.1:30 Spoke to Rich at Miller Environmnetal. Suggested that they do a test pit by the dispenser island and the north east corner of the excavation. If the bedrock is competent, no fractures and non-sloping, and no soil contamination or groundwater is encountered, then there's no need to investigate groundwater. If they chose to start with borings in the area of the dispenser and find contamination, excavation and a groundwater monitoring wells may still be required by the department.jmr11/4/02 Letter sent to Mr. Costa requiring:Delineate the soil contamination detected in the endpoint soil samples with soil borings and the installation of a minimum of three groundwater monitoring wells. Include sampling locations beneath the former dispenser island and in the location of the former tanks. Register the closed tanks.1/10/03-proposal from Miller environmental proposing borings then monitoring wells in a phased approach. Plan approved. 3/19/03 email to the Department:MEG will begin investigatory operations on site (904 Burke ave) the 24th and 25th of March. We will be begining with the soilborings next the test pit as outlined in the proposal. If you have any questions feel free to contact me at (631)-369-4900 ext 202.Louis NardolilloGeologistMiller Environmental Group538 Edwards AveCalverton, NY 11933(631) 369-4900 ext 20204/28/03 email from DEC to Louis Nardolillo.4/25/03-Sampling Summary Report received and reviewed. 0.1 ft product in Well-2. Please proceed with delineation, weekly gauging and product recovery to determine recharge, and quarterly groundwater sampling. I'm concerned with B2/B4/W2 - investigate possible additional source(s). I'm also concerned with B7 - try to determine if the bedrock surface slopes to the east. Thank you.Jennifer Rommel718-482-493411/3/2003-Vought-Site reassigned from Rommel to Vought as per Rommel. File Review by Vought: See spill #981167 at this same location (closed 12/20/99).UST closure report-Envirotrac(Farbod Azad)-5/27/99. Able Environmental removed ten (550-gallon) gasoline USTs in Dec 1998. Envirotrac was contracted to excavate contaminated soil and obtain endpoints. Three soil borings in 4/99 for soil disposal classification. 285 tons of impacted soil removed in 5/99 (disposal manifest provided). Bedrock at depth of 6'. Inspection revealed no visible fractures nor did the "bedrock exhibit a gradient". Soil analytical tables show 150ppb benzene(S1) and 100ppb benzene(S2). Only VOC analyticals performed. Copies of laboratory analyticals show 32000ppb xylene(S1), 38000 124Trimethylbenzene(S1), 260ppb benzene(S1), 150ppb benzene(S1) and 100ppb benzene(S3). Letter from Envirotrac to DEC(Rommel)-7/6/99. Envirotrac sent plan with location of dispenser island. "Soil quality in the vicinity of the dispenser island is unknown. No evidence of remote fills and threfore the "probable former location of the fill was above the former USTs(within the excavated area)".Letter from DEC(Rommel) to Robert Costa-12/20/99. DEC reviewed report prepared by Envirotrack (report not in file as of 11/3/03). DEC required the following to be performed within 45 days: 1)determine former location of fill ports(Spill 9811867 due to "overfill"). 2)delineate soil contamination found in endpoints through additional soil borings 3)install a minimum of one groundwater well 4)register those tanks which were removed.Letter from Robert Costa to DEC(Austin)-1/5/2000. Costo contacted Envirotrac(Matt Schneck) to call DEC with site

904 BURKE AVENUE, LLC (Continued) **S103558925**

status. Costa also included followng information: Former USTs were excavated in 12/98 as per EPA guidelines by Able Environmental, Envirotrac was contacted in 4/99 to remove contaminated soil. Soil was excavted to bedrock and endpoint samples were collected. Letter also said that correspondence from DEC was awaited for seven months (soil data received 5/27/99 and DEC response sent 12/20/99 after numerous inquiries).Discussion of DEC(Rommel) with Schneck(Envirotrac)-1/10/00. Costa signed contract with Envirotrac to excavate to bedrock. Mr. Costa "unhappy that they (Envirotrac) did not receive closure" and as a result will be seeking a new contractor.Letter from Mr. Costa to Envirotac(J. Byrnes)-1/14/2000. Mr Costa was given approval to backfill excavation with assurance by Envirotrac that soil samples would meet DEC guidelines. Soil was backfilled and repaved. Costa will seek legal counsel if matter cannot be resolved. Letter from Envirotrac(J. Byrnes) to Costa-1/11/00. Byrnes reviewed case and a total of 285 tons of soil were removed from the site. At time of 12/20/99 DEC letter Mr Costa was contacted and said that he did not want to retain envirotrac.Fax from DEC(Rommel) to Kosta-8/12/02. Fax "attached please find DECs contractor list as per our discussion".Former Dispenser Island Investigation Proposal- Miller Environmental Richard Cannarella-8/21/02. Miller contacted DEC Rommel who required a test pit be installed to bedrock at the location of the former dispenser island. Bedrock will be visually inspected and endpoints analyzed for 8021/8270. Findings will be submitted to DEC.Email from DEC Rommel to Cannarella-8/2202. Approval of above proposal with exception that if significant contamination is encountered then soil will not be placed back in excavation.Test Pit Sampling Event report- Miller-10/8/02. Test pit was 6'x6'. Abandoned piping discovered during excavation and bedrock had no visible slope or fractures. "The bedrock did however end approximately one foot from the southern wall. The edge of the bedrock was uncovered and digging commenced by hand to a depth of 7.5'...the cobbles and clay extended to an undetermined depth with no further evidence of bedrock". A soil sample was collected from a depth of 7.5' at this location. Soil analyticals show 1600ppb benzene(SS1), 30000ppb napthalene(SS1), 3100ppb benzene(SS2), 31000ppb napthalene(SS2), 19000 ethylbenzene(SS3), 18000ppb napthalene(SS3), 5000ppb benzene(SS4), 34000ppb napthalene(SS4), 1200ppb benzene(SS5) and 26000ppb napthalene(SS5).Letter from DEC to Miller-11/4/02. DEC requires: delineation of contamination and installation of three monitoring wells.Subsurface Investigation Plan-Miller-1/10/03. Proposal for split spoon sampling and installation of three monitoring wells (and determination of flow). Miller requires DEC approval of proposal.Subsurface Investigation Cost Proposal-3/11/03.Email from Louis Nardillo (Miller-631-369-4900) to DEC(Rommel) 3/19/03. Investigative work will begin on 3/24.Letter from Miller(Nardillo) to Costa-4/4/03. "MEG can forsee no problems in commencing construction onsite...." as long as onsite monitoring wells remain intact and excavation of soils must be approved by DEC.Sampling Summary-Miller-4/25/03. Soil sampling and well installation report. Groundwater flow to the northeast. Monitoring well MW2 contained .10' of free product. Miller recommends further delineation and remediation. Groundwater analyticals show free product in MW2 and 290ppb benzene(MW3).11/3/2003-Vought-DEC requires: 1)updated PBS registration 2)surrounding area site plan 3)weekly gauging and Interim product recovery on MW2 4)groundwater monitoring and sampling schedule 6)delineation of groundwater contamination west

904 BURKE AVENUE, LLC (Continued) **S103558925**

of MW3, west of MW2, north of MW2, east of MW2, south of MW2 and at former boring location B7. Vought received message from Rubinton and Rommel regarding various inquiries about site (Mike Hanna-757-853-4000x108, Scott Taylor (National Environmental-914-741-5472), Authur Franciola 718-239-7073). Vought called Mike Hanna (Metropolitan Laboratories) and left message to return call to DEC. Vought called Scott Taylor and spoke with Scott and he was contacted by Arthur Franciosa to investigate status. Scott is sending in proposal to Franciosa for soil excavation and groundwater monitoring. Vought called Louis Nardolillo and left message to return call to DEC. Vought will send requirement letter with STIP upon speaking to Nardolillo to confirm that he is still consultant for owner (Robert Costa).2/12/04-Vought-Spoke with Nardolillo and he will return call to DEC with owners info.2/13/04-Vought-Sent certified STIPULATION Agreement to Mr. Charles Costa with 11/3/03 requirements and a deadline of March 15, 2004. Note: Vought also changed records of spill address to 904-910 Burke Avenue as per NYC Tax Assessors office. No 904 Burke listed on Assessors list and 910 shows Costa as owner. Received call from Nardolillo and owners contact info is:Robert Costa429 Richards CourtMarco Island, FL 34145Fax: (941)394-9999Cell: (941)272-0290 2/19/2004-Vought-received certified mail receipt and letter was signed for on 2/17/04 by "Costa".3/5/04-Vought-Spoke with Ashley Cass (908-789-8550) who represents potential buyer. Buyer is HB realty, Richard Durgin 917-807-7702 who is willing to clean spill. American Enviormental Solutions will be the consultant. Deadline for STIP extended to 3/31/04 due to property transaction.4/13/04-Vought-Spoke with Brian Pendegrass (American Environmental 631-348-1702). New owner is:HB Realty718-655-7000Richard DurginLot will be a toyota car lot. Stip will be signed and sent in to DEC. 4/16/04-Vought-Received message from Larry Jacobs 908-789-8550 who is attorney for HB realty. Vought returned call and left message to return call to DEC.4/22/04-Vought-Spoke with Jacobs who represents new owner and wants BCP. Vought spoke to DEC Rommel and Walsh. According to Walsh the first step to go to the DEC website, fill out a BCP application and a pre-application meeting will be set up. Vought contacted Jacobs and left message with this information in addition to providing Walshes phone number for further questions. Vought also left message with Jacobs that NO WORK WAS ALLOWED TO PROCEED WITHOUT STATE OVERSIGHT.7/8/04-Vought-Spoke with Jacobs and Cass who have been trying to contact Dan Walsh DEC DER Haz Waste regarding BCP but have been unssuccessful. Vought sent email notifying of attempts to contact. Vought spoke with DEC Rommel and DEC immediately requires LNAPL recovery. Vought called back Jacobs and Jacobs decided to perform requirements of Stipulation (including LNAPL recovery) on voluntary basis until response is received from Walsh. Vought sent email to Jacobs regarding LNAPL recovery.7/19/04-Vought-File transferred to DEC Agrawal. 11/17/04-Vought-Received email and file from DEC Agrawal due to non receipt of BCP application. Vought called Larry Jacobs and left message to return call to DEC.11/22/04-Vought-Spoke with Ashley Cass and still attempting the BCP. Putting together application and awaiting repsonse from commercial counsel for application information. Will submit application by 1/1/05 or case will be referred to DEC legal.1/11/05-Vought-New file review by Vought:Email from DEC Vought to Larry Jacobs (Attorney for Costa)-7/8/04. "The Department is requiring immediate implementation of product recovery efforts via

904 BURKE AVENUE, LLC (Continued) **S103558925**

vacuum enhanced recovery on well MW-2 and all other wells with free product..."Email from Jacobs to DEC Walsh-7/8/04. "On behalf of our client we are requesting a BCP preapplication meeting for the remediation and redevelopment of 904-910 Burke Avenue in the Bronx".Email from Ashley Cass (works for Jacobs)-7/16/04. "We wanted to let you know that American Environmental Solutions will be going to the site today to begin vacuum enhanced recovery efforts on all well with free product".Meeting List for BCP Preapplication Meeting-7/26/04. "...On 7/23/04 removed 26 gallons MW2 and 44 gallons from MW3 (AB Oil). Manifest is attached."Email from DEC Vought to Cass-7/27/04. "Hand bailing is acceptable after reviewing Brians fax" due to .1' of product.Fax from Cass-8/23/04. Handbailing on MW2 and MW3. One inch of product in MW2.Email from Cass to DEC Vought-10/18/03. "As an update we are still in the process of preparing the BCP application." "In the meantime, AES continues to hand bail the wells on the property". Fax received same day recording recovery of 46 gallons of water from MW2 with .1" thickness before bailing.Fax from Cass to DEC Vought-1/10/05. Recovered 38 gallons of water from MW2 with "oily sheen".BCP Application from Farer Fersko (attorney-908-789-8550). Vought cc'd on application and original sent to Kelly Lewandowski (DEC Albany). "Please note that the applicant is a volunteer". Applicant is 904 Burke Avenue LLC Attn: Joe Centner (917-417-3442).1/13/05-Vought-Sent notification to DEC Lewandowski that I was project manager for site. Called DEC Lewandowski's office and BCP application was rejected. Email sent from DEC Heigel to Vought stating such. Application rejected due to uncomplete tax map, incomplete contact list and no Phase I ESA. Information required to be sent within 5 days to Albany Technical Support.3/7/05-Vought-New file review by Vought:Letter from Cass (Farer Fersko 908-789-8550) to DEC Moloughney dated 1/26/05. "Enclosed is one original and five copies Brownfield Cleanup Program Application for the 904 Burke Avenue, LLC site revised to address the deficiences outlined in the NYSDEC's January 13, 2005 letter"Letter from DEC Lewandowski to Joe Centner(developer)dated 2/9/05. "We are pleased to advise you that your application has been determined to be complete". "...at thirty day public comment period is to be commenced upon the Departments determination that an application is complete". Letter requires: 1)developer to notify governmental agencies 2)Public Notice form which was required to be in local newspaper no later than 2/16/05 3)certificate of mailing to be sumbitted within three days of mailing of Notice Form. "The Department will make every effort to determine your eligibility and status under the BCP by 4/4/05".Letter from Cass (Farer Fersko) to NYC Public Water Supply Department dated 2/11/05. "The enclosed notice announces the receipt of an application by the New York State Department of Environmental Conservation to the Department's Brownfield Cleanup Program".Letter from Cass (Farer Fersko) to DEC Vought dated 2/15/05. "Enclosed is the requisite statement which certifies that public notice has been submitted to each person on the site contact list". "Also we have submitted the public notice statement to the Bronx Press Review and have received a quote for the publication". "We will submit to you the proof of publication as soon as it is received". Enclosed with letter is completed Certification of Mailing and certifed letters to NYC Public Water Supply, NYC Dept of City Planning, Mayor Michael Bloomberg, El Shaddai Pre School, The Learning Tree II, Gunhill Child Care, PS 041, NYC Office of Environmental Coordination, PS076, NY Public Library and Bronx Press Review.Letter from Cass (Farer Fersko) to DEC Vought

904 BURKE AVENUE, LLC (Continued) **S103558925**

dated 2/23/05. "Here is the proof of publication for the requisite Brownfield Cleanup Program public notice provided by the Bronx Press Review."Email from DEC Rusinko to DEC Walsh dated 2/28/05. "Can you have the project manager forward me a copy of the application?". Vought called Rusinko who requested copy of file be sent to her. Vought sent copy of file via mail to Rusinko.3/9/05-Vought-Completed elibility review memo and sent to DEC Tank and DEC D'Ambrosio via email.3/29/05-Vought-Spoke to DEC Rusinko and no notice was sent to adjacent property owners. As such she instructed Ashely Cass to sent notice to adjacent owners and cc Vought on letters thereby extending comment period another 30 days until 4/29/05. Rusinko also requested whether site was "contaminated enough" for BCP. Rusinko and DEC Tang suggested a conference call including Dave Smith, Bob Cozzy, Jack Aversa, Jim Quinn, Rosalie Rusinko, Koon Tang and Gerry McDonald. Vought sent email to the above for a meeting date. Once acceptance is approved Audio Bridge will be set up. Vought also sent email to Cass as per DEC Tang requesting: 1)total cost of development 2)total cost of site development of portion occupying site 3)cost of remediation (if specific remedial techinque is being considered).4/7/05-Vought-Teleconference scheduled for 4/12/05 at 11am and Audio Bridge set up. Received IRM product recovery report from American (R. Brick). No product found in onsite wells and a total of 53.5 gallons of water. Vought also received "requisite statement which certifies that public notice has been submitted to several adjacent site owners...." dated 3/29/05.4/12/05-Vought-Conference call with DEC Cozzy, Smith, Quinn, Tang and Vought. Decision made that site is eligible for BCP Program. Recent documents received from Farer Fersko: Amended Attachment to the BCP Application (4/7/05)-"Please note that Number 2 of the Site Contact List has been updated to relect new information regarding adjacent properties." BCP Certification of Mailing (4/7/05)-"Enclosed is the requisite statement which certifies that public notice has been submitted to the 912 Burke Avenue Apartments and 3039 Radcliff Avenue Apartments. Also enclosed is a copy of each letter submitting the public notice statements". Vought received message from Rusinko and returned call and left message. Program attorney to produce BCA approval letter as per DEC Tang. Vought received call from Cass and returned call and left message of approval and no further info requirements for eligibility memo. 4/25/05-Vought-Received from Farer Fersko: 1)dated 4/15/05-Amended Attachment to the BCP Application for the 904 Burke Avenue, LLC site and Certification of Mailing. "As discussed enclosed is a copy of the Certification of Mailing for the apartments at 3038 Bronxwood Avenue". 2)BCP Certification of Mailing. "Enclosed is the requisite statement which certifies that public notice has been submitted to each unit in the 3038 Bronxwood Avenue Apartments".5/26/05-Vought-Spoke to DEC Rusinko and she instructed to close spill. Spill can be reopened if offsite contamination exists. Vought sent copy of eligibility memo stating that site is eligible for BCP as per 4/12/05 meeting.6/2/05-Vought-Received message from Ashley Cass (908-789-8550). Vought returned call and referred Cass to DEC Rusinko.6/28/05-Vought-Sent email to Rosalie Rusinko regarding status of BCP Application.7/7/05-Vought-Received email from DEC Tang and DEC Smith that eligibility memo needs to be revised so it goes through Smith for signoff. DEC meeting with Smith and Tank scheduled for 7/11/05 due to some additional questions by Smith. Teleconference with DEC Smith, Aversa, Cozzy, Quinn, Nagi and Tang. Results of conference were to note that spill was CLOSED ADMINISTRATIVELY and to

904 BURKE AVENUE, LLC (Continued) **S103558925**

add Environmental Contamination Remaining at Site to be Addressed by BCP (discussion of remaining soil and groundwater contamination and potential of off-site migration). Vought submitted revised Eligibility memo to DEC Tang and DEC Tang approved memo. Vought sent memo to Dave Smith and DEC Tang via email. Vought copied on email from Dave Smith to Rusinko of revised eligibility memo.7/27/05-Vought-Received message from Julie Demerie (Farell Fersko 908-789-8550) regarding status of BCP Agreement. Vought sent email to Koon, Smith and Rusinko that she inquired about site status.7/29/05-Vought-Received email from Rusinko that she is working on agreement and requested consultant contact info. Vought sent her info. Received message from Rusinko via DEC Tang that she needed quadrangle map of site. Vought prepared map and sent to Rusinko.8/26/2005 Sent to Rusinko Project Description for Part 6. No public comments were received as per JV. AZ8/31/2005 Submitted to Rusinko signed copy of Part 6. AZ9/30/2005 I spoke with Rusinko. She told me that agreement has not been signed by DEC yet due to technical issues with notarization. She will notify me when it's done. AZ11/14/2005 BCP was signed by the applicant on 11/7/2005. I spoke with Larry Jacobs c/o Farer Fresko (908-789-8550). I requested to submit: 1. Contact List. He responded that he will submit it by the end of this week. 2. RI Work Plan. He responded that he will find out about its status within next few days. 3. Fact Sheet. He responded that he will find out about its status within next few days. AZ11-16-2005 Conversation with Julie Demaree. I sent them an example of contact list. By the end of the week they will know the time frame for submittal of WP and Fact Sheet.AZ11-21-2005 Conversation w/ Koon Tang. I discussed the contact list and Citizen Participation Plan with Koon Tang. The following changes were made: added Soil Gas Survey, PRAP change to Remedial Work Plan, add IRM, add public comment period description, add NY Post and NY Daily News to the contact list. Also, I discussed these changes with Julie Demaree (Farer Fresko). They will send us modified Citizen Participation Plan by the end of next week. They will let me know about the time frame for the submittal of WP and Fact Sheet by the end of this week. AZ12-7-2005 Conversation w/ Julie Demaree. I conveyed to her a proposal by Koon Tang to have a meeting to discuss progress of the project. Julee responded that she is suggesting to have this meeting after all 3 documents (CPP, Fact Sheet and RIWP) are submitted. Also, I reviewed a modified CPP Plan dated Dec. 1, 2005. AZ1/6/2007 Spill was closed on 5/26/2005 and reopened on 2/6/2007 after consultation with Vadim Brevdo. AZ1/6/2006 The applicant, 904 Burke Avenue LLC, has submitted a Citizen Participation Plan (CPP) and Contact List which were reviewed and approved by DEC. The applicant also submitted an Interim Remedial Measure Work Plan proposing excavation of a large quantity of soil at the site. This plan was reviewed and approved by DEC staff. However, the volunteer significantly delayed submittal of the Fact Sheets, Investigative Work Plan and Progress Reports. Draft Fact Sheets for IRM and the Remedial Investigation Work Plan were submitted to DEC in January 2007 and are currently under review by DEC and NYSDOH. AZ2/27/2007 Excavation of the contaminated material was performed, as part of IRM, on November 30 and December 1, 2006. End point samples were taken. A status report on IRM activities was submitted to DEC on January 30, 2007. A fact sheet describing IRM activities was issued and distributed in February 2007. AZ4/4/2007 The volunteer submitted Remedial Investigation Work Plan and Fact Sheet on 3/28/2007. These

904 BURKE AVENUE, LLC (Continued) **S103558925**

documents were forwarded to Bridget Callaghan (NYSDOH). She commented on these documents. DOH and DEC comments were forwarded to the volunteer on 3/28/2007. AZ6/26/2007 The volunteer submitted CAMP to NYSDOH ans NYSDEC. I called Emily Veil and asked her: send the Fact Sheet and the proposed Work Plan to the repositories including DEC 2. Send Fact Sheet to the contact List 3. Send DEC an affidavit stating that the Fact Sheet went to the contact List and the Fact Sheet and the proposed WP were sent to repositories for 45 day public comment period. AZ7/26/2007 An e-mail was sent to Emily Vail/Brian Pendergast/Vadim Brevdo:"I have a few questions regarding the current status of the site:1. Are monitoring wells MW-1, MW-2 and MW-3 still existing? Are these wells monitored? The State has not received any information regarding monitoring these wells since January 2007.2. Is IRM (hand bailing) still performed? DEC has not received any IRM reports for a prolonged period of time.3. Was actual (based on existing groundwater wells survey) groundflow direction established?4. Tabulated laboratorysummary for the latest soil and groundwater data was not included in the Remedial Investigation Work Plan (RIWP). This data summary is necessary for a review and approval of the RIWP."AZ9/25/2007 A Remedial Investigation Work Plan (RIWP) and Fact Sheet were submitted to DEC and DOH and were reviewed by staff. Staff rejected the RIWP due to numerous deficiencies. A letter requesting modifications to the RIWP was sent to the Applicant's Representative on September 24, 2007. Also, the Applicant requested permission to bring in soil to backfill the existing excavation pit. Staff reviewed the proposals and requested additional soil sampling and background information concerning the proposed backfill material. AZ10/2/2007 An e-mail was sent on 10/2/2007 to Emily Vail, Brian Pendergast and V.B.:"The Department has reviewed analytical data for the material that you intend to use as the backfill soil at the project site. Please note that some of the contaminants (several SVOCs and metals) are detected at concentrations exceeding State Recommended Soil Cleanup Objective Values as specified in TAGM 4046 or in Table 375-6.8 in 6NYCRR Part 375, effective December 16, 2006. If you are pursuing Track 4 Cleanup (which involves engineering and institution controls, for example: capping/covering the site, filing environmental easement in County Clerk's Office) for this project, this soil is acceptable for the purpose of backfill. However, if you are pursuing Track 1 (unrestricted use), these exceedances are inconsistent with Track 1 cleanup objectives. Based on the above, we strongly recommend that you find alternative source of clean soil which meets both TAGM 4046 and 375-6.8 cleanup objectives." AZ11-6-2007 Staff approved backfill material on 10-25-2007 stating that Track 4 cleanup might be suitable for this site due to the content of the material. Also, staff recommended PE evaluation the backfill material. AZ6-23-2008 On June 23, 2008, DEC was informed by the Applicant's Representative that installation and sampling of on-site wells and soil sampling is complete. Also, DEC was informed that the property owner across the street has raised an issue regarding the road opening for installation of the off-site wells. The Applicant's Representative will investigate the issue and inform DEC if it is not resolved quickly. AZ9-26-2008 DEC requested via e-mail submittal of a status report. Volunteer should submit completion dates for the following items: backfill of the excavated area, on-site and off-site wells installation, new and existing wells purging and sampling for on-site and off-site wells, installation of soil-gas probes,receipt of laboratory analysis for soil, soil vapors

904 BURKE AVENUE, LLC (Continued) **S103558925**

and groundwater.Also, the volunteer should inform when a Remedial Investigation Report will be received by NYSDEC.In addition, NYSDEC requested monthly status and progress reports. AZ9-30-2008 Received an e-mail from S. Karp: :1. excavation was backfilled on October 25 and 26, 2007 2. On-site wells were installed and on-site soil samples werecollected on April 11, 15, 16, 21 and 22, 2008 3. Soil gas samples were collected on July 17, 2008 4.Laboratory analysis from soil gas sampling was received end ofAugust 2008Access issues were resolved with the Burke Avenue business owners in late July and additional measurements requested by NYCDOT were collected on August 28 for a revised permit application. AES is awaiting issuance of the permit and then off-site well installation will be undertaken. I am not certain of the date when soil sample analysis was received. Ibelieve that AES is deferring sampling of on-site wells until off-site well installation is complete so that sampling will occur at the same time. I will check on both of these points, the exact date when the soil gas sampling analysis was received and a projected schedule for well installation, but based on recent discussions with AES, we expect that the well installations and sampling will be complete by the end ofOctober and that a report would be submitted by the end of the year." AZ 10-23-2008 An e-mail was sent to Susan Karp, Brian Pendergast and V.B.:" I have received a Progress Report dated October 17, 2008. However, this progress report indicates that "the first progress report will be submitted on January 15th 2008." As per BCP guidelines and our conference call on October 17, 2008, progress reports should be submitted monthly. The next due date for the monthly report is December 17, 2008. Monthly progress reports should be submitted on the 17th of each month thereafter. Monthly progress reports should include description of all filed and laboratory activities performed and their respective dates. Tabulated laboratory data, site plans and plume maps should be included. Application dates for necessary permits and the dates of their receipt should be included in the progress reports. Also, progress reports should contain a tabulated schedule of remaining and planned field and laboratory activities and their respective deadlines." AZ11-24-2008 Three new monitoring wells were installed on-site. Groundwater results indicate elevated levels of VOCs and SVOCs in groundwater. Metals at elevated levels were also detected in the on-site soil samples. Four soil vapor probes have also been taken. Three of four soil vapor probes exhibited elevated levels of benzene, 1,2,3-trimethylbenezene, and toluene. Petroleum sheen was observed in one of the on-site wells. Installation of the off-site wells was delayed due to neighbor’s objections, difficult geological and site conditions. AZ12-16-2008 A meeting between NYSDEC (V. Brevdo & A. Zhitomirsky), owner’s representative (Rich Durgin), consultants (Brian Penderagast - AES 631-475-0020) and drilling company (Moretreench - Timothy Maguire) was held at the site. DEC required installation of the off-site wells, well survey, determination of the actual groundwater flow direction and completion of the Report. The owner’s representative agreed with DEC’s requests. AZ4-23-2009 Two off-site wells (MW-7A and MW-8A) were installed on January 15, 2009. Well MW-7A had some VOCs exceedances. Two additional off-site wells (MW-11 and MW-12) were installed at the site pursuant the teleconference with AES on February 20, 2009. Wells were developed, purged and sampled on March 16, 2009. An e-mail was sent to Brian Pendergast, Rich Durgin and S. Karp: "I have not received a hard copy of the April 2009 Status Report. Also, as per our telephone

904 BURKE AVENUE, LLC (Continued) **S103558925**

discussion in March 2009, Remedial Investigation Report must contain remedial design proposals. It should be not a Draft but a final version of the Remedial Investigation with remedial design proposals." AZ5-20-2009 Hard copy of Remedial Investigation Report was received. AZ 5/26/09 I sent an e-mail to Brian Pendergast:"I have received Remedial Investigation report which was overdue. However, Alternative Analysis Report has not been submitted. Also, a draft fact sheet should have been submitted with the Remedial Investigation Report. Please submit missing documents. Please notify DEC when these documents will be submitted."AZ5/27/09 Discussed the site w/Brian Pendergast. I requested the following: AES demonstrate to DEC why ORC technology will work at the site. AES should encompass offsite contamination in their remedial strategy. Schedule for proposed excavation should be submitted.Schedule and plan for ORC excavation should be submitted. Remedial WP should be submitted. Modified May Status Report should be submitted. Draft fact sheet and Alternative Analysis Report should be submitted. AZ6/18/09 E-mail was sent to Brian Pendergast/V. Brevdo/Rich Durgin:As per our phone conversation on 5/27/09, DEC requests the following: 1. AES should demonstrate that ORC technology will be effective at this site.2. AES should address on-site and off-site contamination in their remedial plan. Exact dates and schedule for the proposed excavation should be submitted to DEC. Exact dates and schedule for ORC injections should be submitted to DEC.3. Remedial Work Plan with the work schedule and Alternative Analysis Report should be submitted for review.4. Exact area of the excavation and its depth should clearly designated in the Work Plan. Post excavation sampling should be performed. Pictures of the excavation should be taken and submitted to DEC. Excavation should be backfilled with clean soil.5. Groundwater sampling should be performed quarterly. Current groundwater sampling should be performed in June 2009. All existing wells should be sampled." A copy of June 09 Status Report was sent to V. Brevdo. AZ6-23-09 Discussed with Brian Pendergast Remedial Alternative Report. Requested the following: 1.Depressurization system should be installed under the building (sub slab) 2. Plume should be treated on-site and off-site. 3. ORC injections should be performed via injection wells. Injection wells should be installed. Monitoring wells should not be used for injections. 4. Excavation should encompass all contaminated soil and performed to the bedrock, if needed and feasible. Excavation should be primary remedial strategy. Remedial Alternative Report should be modified. AZ6-24-09 Called Eileene Pendergast and requested the following: 1. Fact Sheet should modified(only appropriate documents actually submitted to DEC should referred to in FS, F #, modify remediation part - excavation as remedial strategy and ORC injection only in additional injection (not monitoring) wells, check recipients current addresses), modify and submit RAR, submit RIWP, Remedial Investigation Plan should be submitted to NYSDOH. Irene stated that modified Fact Sheet and Remedial Alternatives Report will be submitted next week. AZ

Remarks: BUSINESS WAS A FORMER GAS STATION- SOIL SAMPLES TAKEN FOR SOILEXCAVATION PURPOSES AND IT WAS NOTICED THAT THERE WAS CONTAMINATIONSOIL WILL BE EXCAVATED.

Material:
Site ID: 328489
Operable Unit ID: 1079766
Operable Unit: 01
Material ID: 304535

904 BURKE AVENUE, LLC (Continued) **S103558925**

Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

BROWNFIELDS:

Program:	BCP
Site Code:	336147
Acres:	.250
HW Code:	C203032
SWIS:	0301
Town:	New York City
Update By:	JHOCONNE
Site Description:	Location:The Site is located in an urban area at the southeast corner of Burke Avenue and Bronxwood Avenue in the Williamsbridge section of the Bronx. The street address provided for the Site is 904 Burke Avenue, Bronx, NY 10469. Site Features:The building formerly located on-site has been demolished. The 0.25-acre site is currently vacant.Current Zoning/Use:The Site is zoned R5 for residential use. The site is current used as a parking lot. It consists of one tax parcel - block 4574 lot 225. The Site is 0.25 acres in area, and the entire tax lot is the subject site of the application to the BCP. Historical Use(s):Former site operations included an automotive repair facility and gas station. In December 1998 ten underground storage tanks (USTs) were removed and the excavated area was backfilled. The building formerly located on-site has been demolished. A Remedial Investigation (RI) was conducted at the site from April 2008 through December 2009 which involved installation of groundwater monitoring wells and on and off-site and collection of soil, groundwater and soil vapor samples. Site Geology and Hydrogeology:The depth to groundwater is approximately 6 to 7 feet below ground surface. The direction of groundwater flow is generally south and east towards the Hutchinson River and Eastchester Bay.
Env Problem:	Nature and Extent of Contamination:The following is a summary of an investigation in which the field work was conducted in 2008.Soil - Laboratory analysis of soil samples collected generally indicated concentrations of VOCs, SVOCs and metals below NYSDEC Part 375 Restricted Use Criteria for Commercial sites with the exception of three samples collected from the area below the former site building which exhibited elevated levels of metals and SVOCs. A prior soil investigation revealed contaminants consisting primarily of gasoline-related Volatile Organic Compounds (VOCs), including benzene (max. concentration 5.5 ppm), toluene (120 ppm), ethylbenzene (57 ppm), and xylene (240 ppm). Groundwater - Based upon Investigations conducted to date, VOCs are present in groundwater including benzene (max. concentration 1,000 ppb), toluene (8600 ppb), ethylbenzene (2100 ppb), xylene (8400 ppb), MTBE (980 ppb), and 1,2,4-trimethlbenzene (1700 ppb).Soil Vapor - Laboratory analysis of

904 BURKE AVENUE, LLC (Continued) **S103558925**

on-site soil vapor samples indicated elevated compound concentrations in three of the five samples collected including acetone (3600 ug/m3), benzene (4500 ug/m3), hexane (170,000 ug/m3), 1,2,4-trimethylbenzene (130 ug/m3) and toluene (15,000 ug/m3). The highest soil vapor concentrations were located at the northern perimeter of the site along Burke Avenue. Laboratory analysis of off-site soil vapor analysis indicated levels of VOCs below USEPA criteria.Significant ThreatNYSDEC and NYSDOH have determined that the site does not pose a Significant Threat to public health or the environment.

Health Problem: On-site soils and groundwater are contaminated with petroleum-related contaminants. The site is paved; therefore, direct contact exposure is not expected. The area is served with public water; therefore, ingestion exposure is not expected. Assessment of the potential for inhalation exposures via vapor intrusion will be conducted during the remedial investigation.

Count: 0 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/10/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/19/2015
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 11/01/2014
Date Data Arrived at EDR: 11/19/2014
Date Made Active in Reports: 01/12/2015
Number of Days to Update: 54

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/08/2015
Date Data Arrived at EDR: 04/10/2015
Date Made Active in Reports: 04/30/2015
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/21/2015
Date Made Active in Reports: 06/19/2015
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 24

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/03/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 29
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/08/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

TANKS: Storage Tank Faciliy Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/15/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/15/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/15/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/15/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/15/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/06/2015
Date Data Arrived at EDR: 05/19/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/10/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/19/2015
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/19/2015
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

ENV RES DECL: Environmental Restrictive Declarations
The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 03/06/2015
Date Data Arrived at EDR: 03/27/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 27

Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 06/19/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Varies

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 06/30/2014
Date Made Active in Reports: 07/21/2014
Number of Days to Update: 21

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/19/2015
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

State and tribal Brownfields sites

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/19/2015
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/19/2015
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/23/2015
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/24/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/23/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List
A listing of recycling facilities.

Date of Government Version: 04/08/2015
Date Data Arrived at EDR: 04/10/2015
Date Made Active in Reports: 04/30/2015
Number of Days to Update: 20
Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15
Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 07/15/2015
Next Scheduled EDR Contact: 11/02/2015
Data Release Frequency: Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Quarterly

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/19/2015
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 05/08/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 8

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 05/08/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Annually

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/21/2015
Date Made Active in Reports: 06/19/2015
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database
This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch
Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/08/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 12/30/2014
Date Data Arrived at EDR: 12/31/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/03/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 110

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 01/29/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/10/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/04/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/07/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/18/2015
Date Data Arrived at EDR: 02/27/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 26

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Biennially

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/11/2015
Date Made Active in Reports: 03/20/2015
Number of Days to Update: 9

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 06/11/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/06/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Annually

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/20/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Varies

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 19

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 06/09/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: No Update Planned

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 04/17/2015
Date Data Arrived at EDR: 04/23/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 03/17/2015
Date Data Arrived at EDR: 03/27/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 27

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 06/19/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 04/07/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 05/11/2015
Number of Days to Update: 32

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/07/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339
Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: N/A

US FIN ASSUR: Financial Assurance Information
All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/01/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 23
Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/01/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/22/2015
Data Release Frequency: Annually

EPA WATCH LIST: EPA WATCH LIST
EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/07/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 04/08/2015
Date Data Arrived at EDR: 04/10/2015
Date Made Active in Reports: 05/11/2015
Number of Days to Update: 31

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 06/05/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 06/19/2015
Number of Days to Update: 10

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 06/05/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 06/19/2015
Number of Days to Update: 10

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013
Date Data Arrived at EDR: 11/22/2013
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 81

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 07/01/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: No Update Planned

Storage Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

Registered Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013
Date Data Arrived at EDR: 11/22/2013
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 81

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 07/01/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 04/17/2015
Date Data Arrived at EDR: 04/20/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 30

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 06/08/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 04/17/2015
Date Data Arrived at EDR: 04/20/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 30

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 06/08/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 12/11/2014
Date Data Arrived at EDR: 12/12/2014
Date Made Active in Reports: 01/13/2015
Number of Days to Update: 32

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 12/11/2014
Date Data Arrived at EDR: 12/12/2014
Date Made Active in Reports: 01/13/2015
Number of Days to Update: 32

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 04/29/2015
Date Made Active in Reports: 05/29/2015
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/22/2014
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 02/27/2015
Number of Days to Update: 21

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Telephone: 281-546-1505
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: 800-823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SYDNEY HOUSE
839-843 TILDEN STREET
BRONX, NY 10467

TARGET PROPERTY COORDINATES

Latitude (North):	40.8772 - 40° 52' 37.92''
Longitude (West):	73.8601 - 73° 51' 36.36''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	596048.6
UTM Y (Meters):	4525539.0
Elevation:	104 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40073-H7 MOUNT VERNON, NY
Version Date:	1995
South Map:	40073-G7 FLUSHING, NY
Version Date:	1995
Southwest Map:	40073-G8 CENTRAL PARK, NY NJ
Version Date:	1995
West Map:	40073-H8 YONKERS, NY NJ
Version Date:	1998

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

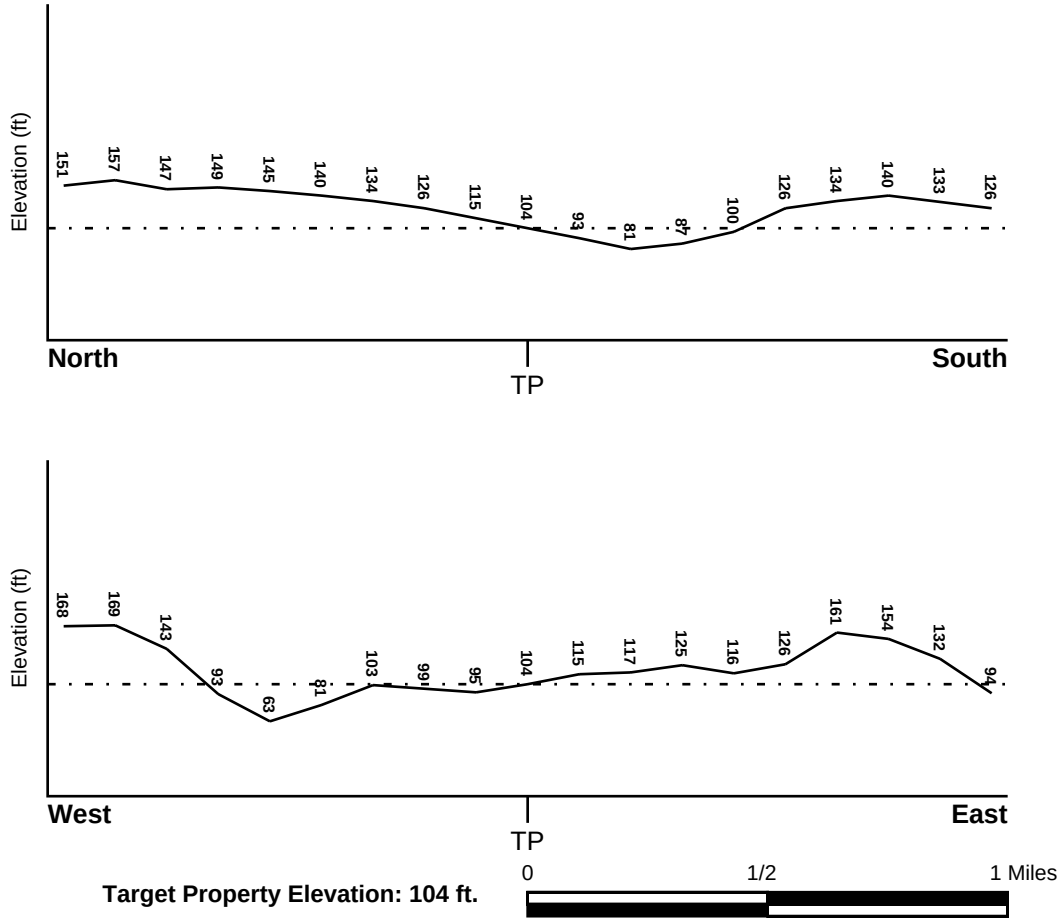
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 104 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
BRONX, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 360497 - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
MOUNT VERNON	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT **GEOLOGIC AGE IDENTIFICATION**

Era:	Paleozoic	Category:	Stratified Sequence
System:	Ordovician		
Series:	Middle Ordovician (Mohawkian)		
Code:	O2 *(decoded above as Era, System & Series)*		

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	URBAN LAND
Soil Surface Texture:	variable
Hydrologic Group:	Not reported
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loamy sand
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loamy sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock
very gravelly - loamy sand
stratified
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000834933	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

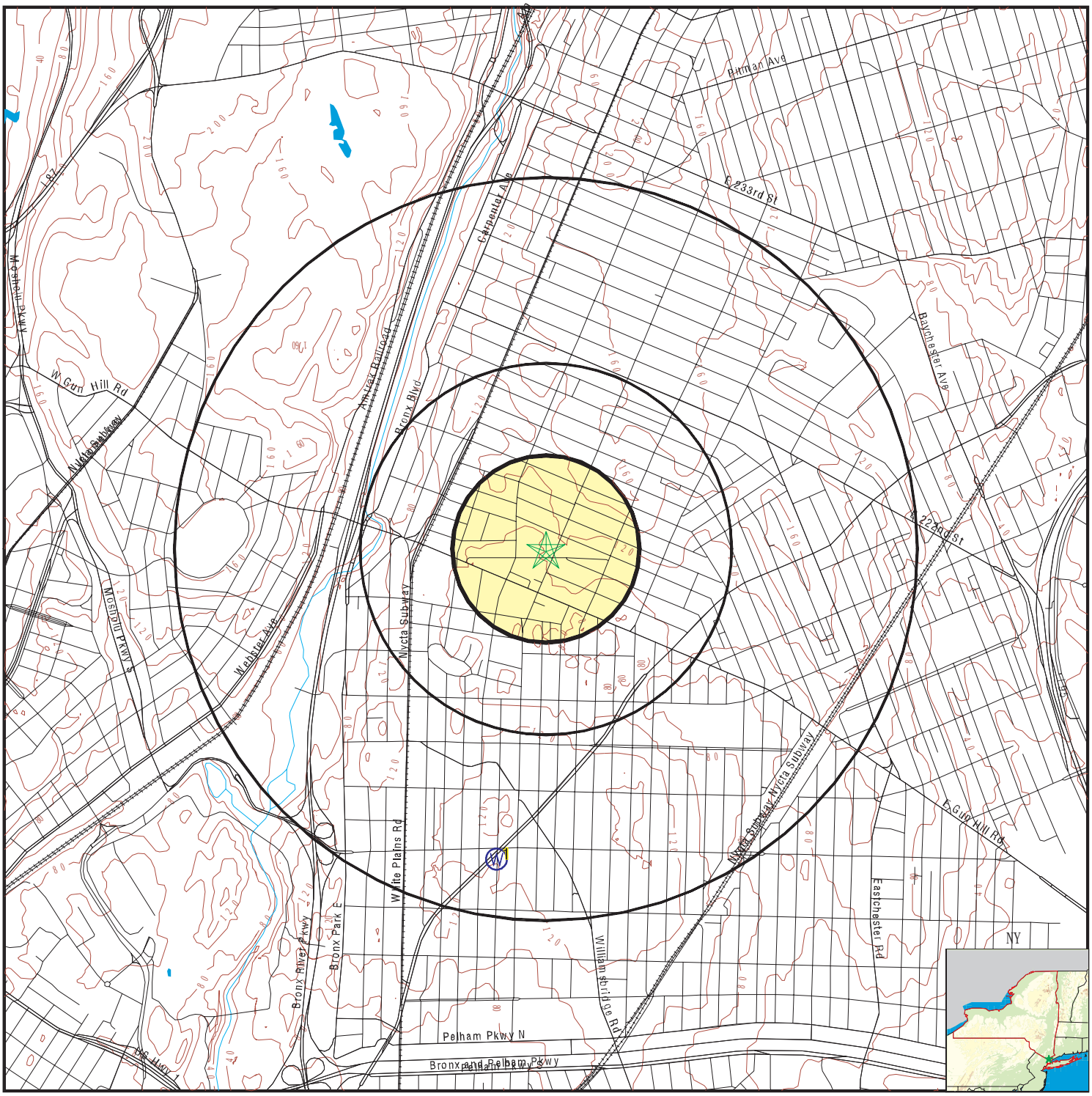
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 4349573.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

N

SITE NAME:	Sydney House	CLIENT:	Ecosystems Strategies, Inc.
ADDRESS:	839-843 Tilden Street Bronx NY 10467	CONTACT:	Adam Atkinson
LAT/LONG:	40.8772 / 73.8601	INQUIRY #:	4349573.2s
		DATE:	July 17, 2015 7:54 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
South **FED USGS** **USGS40000834933**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-405154073514701		
Monloc name:	B 43		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.8651
Longitude:	-73.862635	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	130
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	218
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for BRONX County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for BRONX COUNTY, NY

Number of sites tested: 31

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.670 pCi/L	96%	4%	0%
Basement	1.110 pCi/L	42%	58%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

APPENDIX F

Supporting Documentation

APPENDIX G

Scope of Services

Ecosystems Strategies, Inc.

Phase I Environmental Site Assessment
Scope of Services

Task 1.0: Description of Subject Property and Surrounding Area Physical Settings

1.1 Description of property location, topography, geology, hydrogeology, surface hydrology and wetlands
1.2 Identification of adjoining and surrounding area properties

Task 2.0: Historic Investigation (Review of Applicable, Reasonably Ascertainable Sources)

2.1 Review of historic maps and plans (to the earliest date of available maps)
2.2 Review of aerial photographs
2.3 Review of local records (e.g., building department), including cursory ownership information and City Directories, if applicable.
2.4 Interviews with User, Key Site Manager, and other knowledgeable individuals.
2.5 Review of User or property owner provided documents (e.g., title reports, prior investigations) and/or analytical results

Task 3.0: Federal and State Regulatory Agency Records Review

3.1 Review of ASTM-required federal, state, and/or tribal databases at required search distances and analysis of the relationship of each Site (e.g., upgradient, downgradient) to the Subject Property;
- Federal NPL (1.0 mile) and delisted NPL sites (0.5 mile)
- Federal CERCLIS list and CERCLIS NFRAP site list (0.5 mile)
- Federal RCRA CORRACTS facilities list (1.0 mile)
- Federal RCRA non-CORRACTS TSD facilities list (0.5 mile)
- Federal RCRA generators list (subject/adjoining properties)
- Federal ERNS list (subject property)
- Federal, state, and tribal institutional control/engineering control registries (subject property)
- State- and tribal-equivalent NPL (1.0 mile)
- State- and tribal-equivalent CERCLIS (0.5 mile)
- State and tribal Brownfield and voluntary cleanup sites (0.5 mile)
- State and tribal leaking storage tank lists (0.5 mile)
- State (including locally administered) and tribal registered storage tank lists (subject/adjoining)
- State and tribal landfill and/or solid waste disposal site lists (0.5 mile)

3.2 Review of additional federal and state environmental databases:
- State spill file records (0.5 mile)
- State MOSF list (0.5 mile)
- State radon data (by local municipality as available)
- Federal and state wastewater discharge permits (subject/adjoining properties)

3.3 Interviews (as applicable) with government representative regarding regulatory compliance

Task 4.0: Physical Inspection

4.1 Inspection of property and structures for potential contamination and contaminant sources, including:
- Hazardous/medical/radioactive waste storage and disposal areas
- Petroleum and/or chemical storage (including tanks and associated piping)
- Overt indications, spatial extent, and current condition of asbestos-containing materials, lead-based paint and mold
- Wastewater and stormwater discharge systems
- Equipment potentially containing polychlorinated biphenyls (PCBs)

4.2 Inspection of external property for the following:
- Presence of contamination (e.g., debris, soil staining)
- Evidence of prior structures and uses
- Unusual or man-made topographical formations (e.g., berms, sinkholes)
- On-site surface water quality
- Evidence and location of wells
- Vegetative stress

4.3 Identification of overt on-site sensitive environmental receptors (e.g., wetlands)
4.4 Limited inspection of adjoining and nearby properties for:
- Potential off-site sources of contamination
- Sensitive environmental receptors

4.5 If appropriate, interviews with owners/tenants/operators and other available knowledgeable individuals present during physical inspection

Task 5.0: Preparation of Written Summary Report

5.1 Summary of findings of Tasks 1.0 through 4.0
5.2 Identification of any Recognized Environmental Conditions and/or other potential concerns
5.3 Conclusions and Recommendations, including any specific additional investigatory or remedial work
5.4 Production and transmission of the final Phase I ESA to Client.

APPENDIX H

Qualifications of Environmental Professionals

Paul H. Ciminello, QEP
PRESIDENT
paul@ecosystemsstrategies.com

EDUCATION

Master of Environmental Management, 1986
School of the Environment, Duke University, Durham, North Carolina

Master of Arts in Public Policy Sciences, 1986
Institute of Policy Sciences and Public Affairs, Duke University, Durham, North Carolina

Bachelor of Arts, 1980
Tufts University, Medford, Massachusetts

CERTIFICATIONS AND TRAINING

Qualified Environmental Professional (QEP), Institute of Professional Environmental Practice (Cert. Number 08130024)
In compliance with OSHA Hazardous Materials Safety (29 CFR 1910) requirements (updated 2012)
Certified Air Quality Specialist, Environmental Assessment Association, 2007
Certified Environmental Manager, Environmental Assessment Association, 2006
NJ Dept. of Environmental Protection Licensed Subsurface Evaluator (License Number: 0014686)
NYS Dept. of Labor Certified Asbestos Building Inspector (Cert. Number: AH92-14884)
NYS Department of State, Division of Licensing Services, Real Estate Instructor

PROFESSIONAL EXPERIENCE

President, Ecosystems Strategies, Inc., Poughkeepsie, New York *1992 to present*

Coordinates corporate strategic planning, financial management and marketing activities. Oversees corporate work on state and federal superfund sites and manages education/training services. Responsible for technical services in areas of pollution prevention, contaminant delineation and site remediation. Twenty-five years experience in the investigation and remediation of organic and inorganic contamination at commercial and residential properties. Major recent projects of relevance include:

- Irvington Waterfront Park (Irvington, NY): Project Manager for site investigation and remedial design of abandoned industrial riverfront properties. Documented soil and groundwater contamination and designed remediation including soil removal and site capping. Project completed in 2000; project awarded the 2000 Gold Medal Award by Consulting Engineers Council of New York State.

- Greyston Bakery Site (Yonkers, NY): Project Manager for site investigation and remedial design of former manufactured gas plant site for future use as a bakery. Documented soil, groundwater and soil gas contamination. Remedial systems included installations of a DNAPL collection system, a barrier layer, a subslab depressurization system under the building, and groundwater monitoring. Project completed in 2004.

- 400 Block Redevelopment (Poughkeepsie, NY): Project Manager for site investigation and remedial design of multi-use industrial development property (boiler repair, clothing manufacturer, auto repair) for future retail/residential use. Documented soil (petroleum, PCBs, metals) and groundwater (petroleum) contamination. Remedial systems include: soil (and tank) removal, installation of a barrier, and groundwater monitoring. Project completed in 2006.

- Prospect Court Housing Site (Bronx, NY): Project Manager for site investigation and remediation of a former gas station/auto repair facility. Documented contamination included both dissolved and free-phase petroleum hydrocarbons, dissolved halogenated solvents, and metals contamination in soil. Remedial systems consisted of In-Situ Chemical Oxidation, soil excavation, vapor interception systems, and on-going groundwater monitoring. Project secured Certificate of Completion from the NYSDEC in December 2012 and received the "Brownfield Innovation Award" from the New York City Brownfield Partnership in 2013.

- Parkview Commons Site (Bronx, NY): Project Manager for site investigation and remedial design of former gas station/auto repair facility for future use as a residential/commercial building. Certificate of Completion was secured from the NYSDEC in 2007.

Senior Hazardous Waste Specialist, U.S. Hydrogeologic, Inc., Poughkeepsie, New York 1986 to 1992

Supervisor for corporate hazardous and solid waste investigatory and remedial services. Major projects included:

- Coordination of subsurface investigations at a New York State Superfund site (former industrial facility); project manager in charge of site reclassification (delisted as of January, 1991).
- Coordination of petroleum storage tank management plan for Dutchess County (NY) Department of Public Works, including an assessment of regulatory compliance, product utilization and physical conditions of more than 100 tanks at over 20 facilities.

Adjunct Professor, (various institutions) *1991 to Present*

Dutchess Community College, Poughkeepsie, New York (1991-1996)
Marist College, Poughkeepsie, New York (1999-present)
Vassar College, Poughkeepsie, New York (2007, 2013)

Courses: Macroeconomics, Environmental Economics (DCC)
Introduction to Environmental Issues (Marist)
Environmental Geology Seminar in Environmental Investigation and Remediation (Vassar)

Policy Intern, Southern Growth Policies Board, North Carolina *1985*

Prepared several in-depth and short analyses of environmental and economic issues, with specific concern for their impact on Southern state policies. Analyses included: hazardous waste facility setting policies and environmental impacts of "high tech" industries on host communities.

Research Assistant, University of Oregon, Eugene, Oregon *1983*

Analyzed (with Dr. John Baldwin, Chairman of the Department of Planning, Public Policy and Management, U. of Oregon) the "Oregon Riparian Tax Incentive Program". Designed survey, conducted interviews and analyzed data. Summary paper with programmatic recommendations, was presented at the Annual Conference of the National Association of Environmental Educators.

PRESENTATIONS

- "Environmental Risks in Lending", Training for Hudson Valley Federal Credit Union, February 2014
- "Environmental Risks in Lending" Training Session for Pawling Savings Bank employees, December 18 and 19, 1989; and July 1, 1993.
- "Identifying Environmental Concerns in Appraisals", Workshops for Lakewood Appraisal Corporation, October, and November, 1989 and April, 1990.
- "State and Local Groundwater Protection Strategies", Annual meeting of the New York State Association of Towns, February, 1990.
- "Environmental Audits on Orchards and Agricultural Properties", Resource Education Institute, Inc., Real Estate Site Assessment and Environmental Audits Conference, December 4, 1990.

- "Environmental Audits on Orchards and Agricultural Properties", National Water Well Association Annual Conference, July 29-31, 1991.
- "Principles of Environmental Economics for Ground Water Professionals", National Groundwater Association Outdoor Action Conference, May 27, 1993.
- "Impact of Environmental Liabilities on Real Estate Transactions", a NYS Department of Education approved course for licensed real estate professionals, March 1995; April 1995; May 1995; October 1995.
- "Brownfields Redevelopment in New York: A Discussion of Two Case Studies", New England Environmental Conference 1996, March, 1996.
- "Quantifying Environmental Liabilities", a NYS Department of Education approved course for licensed real estate professionals, March 1997.
- "Environmental Assessments in Urban Settings", Vassar College, Fall 1999 and Fall 2000.
- "Navigating Property Contaminant Problems", Land Trust Alliance Rally 2001, Oct 2001.

ARTICLES

Ciminello, P. 1993. A Primer on Petroleum Bulk Storage Tanks and Petroleum Contamination of Property, ASHI Technical Journal, Volume 3, No. 1

Ciminello, P. 1991. Environmental Audits on Orchard and Other Agricultural Properties, Proceedings of the National Water Well Association Annual Conference

Ciminello, P. 1991. Property Managers Should Carefully Examine Current Fuel Storage Practices, NYS Real Estate Journal, Vol. 3, No. 9

Ciminello, P. 1991. New DEC Regulations Affect Development of Agricultural Lands, NYS Real Estate Journal, Vol. 3, No. 6

Ciminello, P., Hodges-Copple, J. 1986. Managing Toxic Risks From High Tech Manufacturing, Growth and Environmental Management Series (Southern Growth Policies Board)

Ciminello, P. 1986. State Assistance in Financing Water Treatment Facilities, Growth and Environmental Management Series (Southern Growth Policies Board)

Ciminello, P. 1985. Plants Amid Plantings: The Future Role of Environmental Factors in Business Climate Ratings, Southern Growth ALERT (Southern Growth Policies Board)

Ciminello, P., J. Baldwin, N. Duhnkrack,1984, An Incentive Approach to Riparian Lands Conservation, Monographs in Environmental Education and Environmental Studies (North American Association of Environmental Educators)

PROFESSIONAL AFFILIATIONS

American Water Resources Association
National Groundwater Association
Hazardous Materials Control Research Institute
Environmental Assessment Association

ADDITIONAL INFORMATION

Member, Dutchess County (NY) Youth Board (1987-1992); Chairman, 1992
Member, City of Poughkeepsie (NY) School District Ad Hoc Committee on Teen Parents and Pregnancy Prevention (1991)
Member, City of Poughkeepsie School District Budget Advisory Committee (1994 to 2000)
Member, City of Poughkeepsie PTA and Middle School Building Level Team

Scott Spitzer
Director of Environmental Investigations
scott@ecosystemsstrategies.com

PROFESSIONAL EXPERIENCE

Director of Environmental Investigations, Ecosystems Strategies, Inc., Poughkeepsie, NY 2013 - present

Management and quality review of environmental site assessments, technical environmental investigations, and remedial projects including Brownfield sites. Conducts research to obtain field and regulatory information about the environmental status of a designated area. Reviews all documents prepared by ESI to ensure consistency and technical accuracy. Responsibilities associated with the preparation of site assessments include: investigating site histories, conducting facility inspections, reviewing regulatory agency records, documenting facility compliance with relevant State and Federal regulations, and preparing reports. Management of complex technical environmental investigations (including sites currently on the NYSDEC Registry of Inactive Hazardous Waste Sites), including coordinating subcontractors, overseeing fieldwork, designing and implementing sampling plans, preparing technical reports, and interfacing with regulatory agency personnel.

Senior Project Manager, Long-Form Reports, The 451 Group, Inc., New York, NY 2008-2011

- Managed the production of over 150 technical white papers.

Senior Project Manager, Ecosystems Strategies, Inc., Poughkeepsie, NY 2001 - 2008

- Conducted Environmental Site Investigations and prepared final site assessment reports. Over 300 Investigations and Final Reports completed as lead manager.
- Investigated site histories.
- Conducted facility inspections.
- Reviewed regulatory agency records.
- Documented facility compliance with relevant State and Federal regulations.
- Conducted Phase II Technical Environmental Investigations and prepared technical reports.
- Researched field and regulatory information.
- Managed tank removals.
- Coordinated subcontractors.
- Oversaw fieldwork and handled collection of material, soil and water samples.

Select Projects

Scenic Hudson Land Trust, Inc., Beacon Waterfront Project, Beacon, NY

ESI conducted soil and groundwater investigations on a former MOSF and adjacent scrap yard. Projects involved soil remediation of both petroleum and PCB-contaminated soils and long-term groundwater monitoring. Both projects were classified as Voluntary Clean-Up projects by the NYSDEC and closure status was attained.

Sakmann Restaurant Corporation Site, Fort Montgomery, NY

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigations for former filling station and automotive repair garage contaminated by solvent and waste-oil discharges to an on-site drywell.

Designed and implemented a sampling plan for soils impacted by chlorinated hydrocarbons, petroleum, and metals. Created Workplan (in coordination with the NYSDEC Voluntary Cleanup Program) for remediation of on-site contamination and long-term sampling of on-site groundwater monitoring wells.

Staten Island Marina Site, Staten Island, NY

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigation for an active marine facility engaged in boat painting and engine maintenance activities. Coordinated the delineation of metals contamination over a three-acre area and analyzed potential impacts from on-site fill materials. Submitted remedial and budgetary analysis in support of regulatory agency approval for conversion of boatyard into a public park.

Octagon House Development Site, Roosevelt Island, NY

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigations at the former site of a large, urban hospital. Interpreted the results of geotechnical studies, extended test pits, and conducted extensive soil sampling, to document subsurface soil conditions in support of client's application to the U.S. Housing and Urban Development Agency (HUD). Created Workplan (in coordination with the NYCDEP Office of Environmental Planning and Assessment) for site-wide remediation of contaminated soils and secured NYCDEP approval for site remediation as required by HUD.

Camp Glen Gray Boy Scout Facility, Mahwah, NJ

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigations at an approximately 800-acre campground containing numerous structures. Documented subsurface soil conditions at the locations of aboveground and underground storage tanks, and delineated lead contamination at a former firing range. Assisted in design and implementation of remediation plans for removal of petroleum and lead contaminated soils, and obtained NJDEP approvals.

EDUCATION

SUNY at Stony Brook, Bachelor of Science - Biology, SUNY at Stony Brook *May 1992*
SUNY at Purchase, extensive studies in Environmental Science

PROFESSIONAL CERTIFICATIONS

OSHA Hazardous Waste Site Operations and Emergency Response (HAZWOPER) – 40 hr

BORING #1

DEPTH FT.	SPOON BLOWS PER 1'/2 FT	HOLLOW STEM AUGER	MATERIAL
GROUND SURFACE			EL +1.0'
			Black Top & Stones
5.0'	9 43 8 7		FILL-SAND, GRAVEL, RED BRICK CLASS 7
8.5'	15 14 28 50		
10.0'	42 63		MICA SCHIST ROCK 1D
15.0'	DRILLED FROM 10.0' TO 20.0' PCS 5 (Fragments)		
20.0'	DRILLED FROM 15.0' TO 20.0' PCS 3 (Fragments)		MICA SCHIST ROCK 1C

BORING #1A

DEPTH FT.	SPOON BLOWS PER 1'/2 FT	HOLLOW STEM AUGER	MATERIAL
GROUND SURFACE			EL +1.5'
			Black Top
2.5'	18 15 13 28		FILL-FINE SAND & SILT CLASS 7
5.0'	19 36 23 20		MEDIUM TO FINE SAND, GRAVEL, TRACE SILT SP 3A
10.0'	24 28 50 31		
10.5'	13 17 100		Mica Schist Rock
	REFUSAL		

BORING #2

DEPTH FT.	SPOON BLOWS PER 1'/2 FT	HOLLOW STEM AUGER	MATERIAL
GROUND SURFACE			EL +1.5'
			Black Top & Stones
5.0'	20 18 15 14 13 20 60 113 103 31		FILL-GRAVEL, STONES, SILT, WOOD CLASS 7
9.0'	24 32 13 7 8 12 15		
10.0'	28 33		FINE SAND, MICA FLAKES, ROCK FRAGMENTS, SOME SILT SM 3A
15.0'	64 53 20 50 60		
16.5'			WEATHERED ROCK 1D
17.5'			
20.0'	DRILLED FROM 17.5' TO 22.5' PCS 9 (fragments)		MICA SCHIST ROCK 1C
22.0'			

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES
1	2		3	4
COARSE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE THE SMALLEST PARTICLE VISIBLE TO THE NAKED EYE	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	CLEAN GRAVELS (LITTLE OR NO FINES)	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.
			GP	POORLY GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURE
			GC	CLAYEY GRAVELS, GRAVEL SAND-CLAY MIXTURES.
	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE	CLEAN SANDS (LITTLE OR NO FINES)	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
			SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)	SM	SILTY SANDS, SAND-SILT MIXTURES
			SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE NOTE: THE NO. 200 SIEVE SIZE IS ABOUT	SILTS & CLAYS LIQUID LIMIT IS LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY SILTS WITH SLIGHT PLASTICITY.
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY.
	SILTS & CLAYS LIQUID LIMIT IS GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS.
			CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS			PT	PEAT AND OTHER HIGHLY ORGANIC SOILS

ENGINEERING INSPECTION

BORINGS WERE INSPECTED UNDER THE SUPERVISION OF:
DAVID W. WASHINGTON Ph. D., P.E. ALONG WITH
CHARLES W. WASHINGTON, ENG.

DATES OF FIELD WORK:
07/29/2013
09/03/2013

STATE OF NEW YORK · DAVID W. WASHINGTON · 066891 · LICENSED PROFESSIONAL ENGINEER

P.E. PROFESSIONAL ENGINEER

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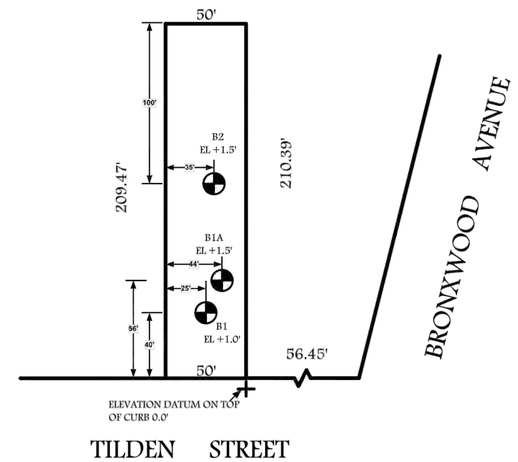


SEE WATER NOTES

BORING CONTRACTOR'S CERTIFICATIONS

ACE BORING INC. CERTIFIES AS TO THE ACCURACY OF THE SPOON AND CASING BLOWS AND ELEVATIONS AND METHOD OF BORING.

THE FOLLOWING EQUIPMENT WAS USED:

EQUIPMENT -
SPRAGUE & HENWOOD MODEL 30 40CL
ACKER MODEL RGT LD NXB
CME 55 CME 45
TYPE OF CORE BARRELS AND DIAMOND BITS:

	SIZE	O.D.	CORE DIAMETERS
☐	AX	1-7/8"	1-1/8"
☐	BX	2-3/8"	1-5/8"
☐	NX	2-15/16"	2-1/8"
☐	AXM	1-7/8"	1-1/8"
☐	NXM	2-15/16"	2-1/8"
☐	B	2"	1 - 3/8"

WEIGHT OF HAMMERS:
300 LBS. ON 2.5" CASING - 18" DROP
140 LBS. ON 2" SPOON - 30" DROP
SPOON - SPLIT SAMPLER - 2" O.D. - 1-3/8" I.D. (24" LONG)
WATER ENCOUNTERED NONE
WATER NOTED ON PRINT IS ONLY THE FIRST INDICATION OF WATER.
FOR EXACT RESULTS CALL FOR CUR WELL POINT TEST. ELEVATIONS ARE TAKEN FROM AN ASSUMED DATUM OF 0.0' AS NOTED ON PLOT PLAN; IF NOT SUPPLIED BY OWNER.

BORING LOCATIONS ON TRACING NOT DRAWN TO SCALE UNLESS DIRECTED.

CLIENT:
ALMAT GROUP, LLC.

BORING LOG ——— PLOT PLAN

JOB LOCATION: 839-841 TILDEN STREET
BRONX, NY
BLOCK 4671 LOT 3 & 4

DRAWN BY: GM DATE: 09-04-2014
SCALE: 1"=40'
CKD. DW APPR.

64554

NOTE: ALL RECOVERED SAMPLES/CORES WILL BE RETAINED FOR UP TO SIXTY (60) DAYS, AT WHICH TIME THE SAMPLES WILL BE DISCARDED UNLESS DIRECTED OTHERWISE.

ACE BORING INC.

EXECUTIVE OFFICE: 167-20 120TH AVENUE P.O. BOX 340187, JAMAICA, NEW YORK, 11434-0957
PHONE: (718) 525-5295 FAX: (718) 658-3976

LONG ISLAND NEW YORK (516)561-2175	5 BOROS OF NEW YORK (718)525-5295	WESTCHESTER NEW YORK (914)764-4266

SYDNEY HOUSE
839-843 Tilden Street
Bronx, NY 10467

ISSUE	NO.	DESC.

REVISION	NO.	DESC.

ARCHITECT
UNION STREET STUDIO, LLC
78 UNION STREET
BROOKLYN, NY 11231
718 596 3040 TEL

DRAWING TITLE
TEST BORING

DATE: 02.09.2015
PROJ NO: 3033
SCALE:
DWG NO: AS102
SHEET OF

NYC DOB NUMBER
####

2/10/2015 1:45:37 PM g:\jobs\2013\13033 839 tilden street\drawings\schematic\revised 2015\sheets\as102 test boring.dwg

B-1

(EL. 102.37') GROUND SURFACE

1	1	6/4"	BLACKTOP 2"	
		4	DK. BRN./ BRN. SAND, SILT, GRAVEL, ROCK FRAG., BRICK, CONC., WOOD, RUBBER, CINDER, MISC. (FILL)(7)	
		3		
	2	3		
		2		
		3		
		4		
5	3	4	LT. BRN. W/ BRN. SANDY CLAYEY SILT, TR. GRAVEL, WOOD (ML)(FILL)(7)	
		5		
		3		
		4		
	4	5	BRN. SAND, SILT, CLAY, WOOD, CINDER, ASH, MISC. (FILL)(7)	
		5		
		4		
		3		
10	5	10	BRN. SILTY SAND, TR. GRAVEL, CLAY (SM)(3a)	
		21		
		18		
		20		
	6	22	BRN. SILTY SAND & DECOMPOSED ROCK (SM)(3a)	
		55		
		57		
		100/4"	DECOMPOSED ROCK (1d)	
	7	100/1"	5' CORE RUN NWG CORE BARREL (GNEISSIC SCHIST) TOTAL CORE RECOVERY 75% SOLID CORE RECOVERY 72% MODIFIED CORE RECOVERY OR RQD 45% (POOR)(1c)	
15				
	R1			

CORE

END OF BORING 18 - 1"

FEET	NO	SB	CLASSIFICATION

B-2

(EL. 102.90') GROUND SURFACE

1	1	10/4"	BLACKTOP 2"	
		11	DK. BRN. SILTY SAND, TR. GRAVEL, LITTLE ROCK FRAG. (SM)(FILL)(7)	
		12		
	2	10	GRAY/ GRAY BRN. SILTY SAND, TR. GRVL., ROCK FRAG., PLASTIC (SM)(FILL)(7)	
		11		
		10		
		12		
5	3	9	DK. BRN./DK. GRAY BRN. SILTY SAND, TR. GRVL, CINDER, THIN ROOTS (SM)(FILL)(7)	
		7		
		8		
	4	10	ROCK FRAG., DK. BRN. SAND, SILT, CLAY, COBBLE? (FILL)(7)	
		12		
		15		
		16		
10	5	22	NO RECOVERY	
		26		
		23		
		31		
	6	41	DECOMPOSED ROCK (1d)	
		110		
		100/2"		
		-		
		-	5' CORE RUN NWG CORE BARREL (GNEISSIC SCHIST) TOTAL CORE RECOVERY 89% SOLID CORE RECOVERY 77% MODIFIED CORE RECOVERY OR RQD 55% (FAIR)(1b)	
15	R1	-		

CORE

END OF BORING 17' - 0"

FEET	NO	SB	CLASSIFICATION

B-3

(EL. 103.59') GROUND SURFACE

1	1	10/4"	BLACKTOP 2"	
		11	DK. GRAY BRN. SILTY SAND, TR. GRAVEL, CONC., BRICK (SM)(FILL)(7)	
		16		
	2	11		
		17	GRAY BRN. SILTY SAND, TR. GRAVEL, CONC., WOOD (SM)(FILL)(7)	
		21		
		23		
		22		
5	3	6	GRAY BRN. W/ DK. GRAY SILTY SAND, TR. GRVL, THIN F. ROOTS (FILL)(7)	
		21		
		26		
		27		
	4	16	WOOD, CONCRETE, DK. GRAY BRN. SAND, SILT, MISC. (FILL)(7)	
		19		
		22		
		28		
	5	39	BRN. SILTY SAND, TR. ROCK FRAG., DECOMPOSED ROCK (SM)(3a)	
10		100/5"		
		-		
		-		
	6	12	BRN. SAND, TR. GRAVEL, SILT (SP)(3a)	
		13		
		11		
		10		
15	R1	-	OBSTRUCTION 18" NWG CORE RUN (BOULDER)	
	0	-		
		22	BRN. SILTY SAND, TR. ROCK FRAG., DECOMPOSED ROCK (SM)(3a)	
		28		
	0	29		
		100		
		-	5' CORE RUN NWG CORE BARREL (GNEISSIC SCHIST) TOTAL CORE RECOVERY 82% SOLID CORE RECOVERY 78% MODIFIED CORE RECOVERY OR RQD 67% (FAIR)(1b)	
20	R2	-		

CORE

END OF BORING 22' - 6"

FEET	NO	SB	CLASSIFICATION

WATER (PERCHED?) 12:15pm 10'-10"

B-4

(EL. 105.21') GROUND SURFACE

1	1	11/4"	BLACKTOP 2"	
		13	DK. GRAY BRN. SILTY SAND, TR. GRVL,ROCK FRAG.,BRICK, CONC (SM)(FILL)(7)	
		7		
	2	10		
		8	WOOD,ASPHALT,CONC.,DK. GRAYBRN.SAND,SILT,GRVL,MISC. (FILL)(7)	
		12		
		19		
		15		
5	3	10	WOOD, GRAY BRN. SAND, SILT, GRAVEL (FILL)(7)	
		18		
		12		
		14		
	4	7		
		6		
		7		
		8		
10	5	7	GRAY/ GRAY BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG., CLAY (SM)(FILL?)	
		9		
		8		
		9		
	6	10	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(3a)	
		11		
		13		
		15		
		-	DECOMPOSED ROCK (1d)	
	7	100/1"	5' CORE RUN NWG CORE BARREL (GNEISSIC SCHIST) TOTAL CORE RECOVERY 77% SOLID CORE RECOVERY 77% MODIFIED CORE RECOVERY OR RQD 62% (FAIR)(1b)	
15				
	R1			

CORE

END OF BORING 18 - 1"

FEET	NO	SB	CLASSIFICATION

1-1/2" PIEZOMETER INSTALLED TO A DEPTH OF 12'-6"

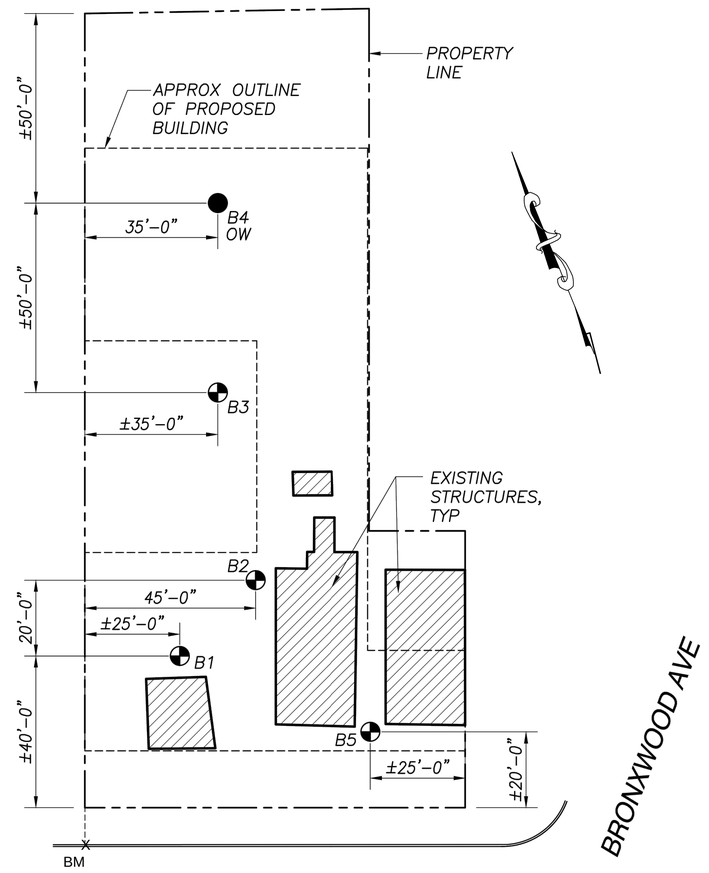
B-5

(EL. 103.06') GROUND SURFACE

1	1	4/3"	CONCRETE 3"	
		6	BRN./ DK. GRAY BRN. SILTY SAND, TR. GRVL, CINDER, BRICK (SM)(FILL)(7)	
		3		
	2	4		
		3	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG., CINDER. (SM)(FILL)(7)	
		17		
		301/4"		
5	3	200/4"	BRN. SAND, SILT, GRAVEL, COBBLE, ROCK FRAG., MISC. (OBSTRUCTIONS) (FILL)(7)	
		39		
		300/3"		

REFUSAL @ 5 - 3"

FEET	NO	SB	CLASSIFICATION



BORING LOCATION PLAN

SCALE : 1"=20'-0"

NOTES:

1. - SOIL DESCRIPTIONS ARE BY VISUAL EXAMINATION OF SOIL SAMPLES RECOVERED DURING DRILLING OPERATIONS.
2. - SOIL DESCRIPTIONS ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.
3. - GROUND WATER ENCOUNTERED AT THIS SITE MAY BE PERCHED AND NOT CONSIDERED RELIABLE.
4. - SOIL STRATIFICATIONS ARE ACCURATE TO WITHIN TWO FEET VERTICALLY.
5. - ELEVATIONS WERE REFERENCED TO B.M. - TOP OF CURB AT POINT SHOWN. ASSUMED ELEVATION AT 100.0' .
6. - SOIL SAMPLES FOR BORINGS #1-#4 WERE OBTAINED USING A CENTRAL MINE EQUIPMENT (CME) AUTOMATIC TRIP HAMMER, SOIL SAMPLES FOR BORING #5 WERE OBTAINED USING A TRIPOD MOUNTED CATHEAD, ROPE, & HAMMER.
7. - BORINGS DRILLED ARE IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE REQUIREMENTS.

UNIFIED SOIL CLASSIFICATION

SOIL GROUPS	TYPICAL NAMES AND SOIL SYMBOLS
GW	WELL GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES
GP	POORLY GRADED GRAVELS OR GRAVEL SAND MIXTURES. LITTLE OR NO FINES
GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURE
GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURE
SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES
SM	SILTY SANDS, SAND - SILT MIXTURES
SC	CLAYEY SANDS, SAND - CLAY MIXTURES
ML	INORGANIC SILTS, VERY FINE SANDS, CLAYEY SILTS, SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS SANDY CLAYS, SILTY CLAYS
OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS

ALLOWABLE SOIL BEARING PRESSURES, N.Y.C. BLDG. CODE TABLE 1804.1

CLASS OF MATERIALS (Notes 1 & 3) ✶	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (TSF)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (kPa)
1. BEDROCK (NOTES 2 & 7) ✶		
1a HARD SOUND ROCK - GNEISS, DIABASE, SCHIST	60	5,746
1b MEDIUM HARD ROCK - MARBLE, SERPENTINE	40	3,830
1c INTERMEDIATE ROCK - SHALE, SANDSTONE	20	1,915
1d SOFT ROCK - WEATHERED ROCK	8	766
2. SANDY GRAVEL & GRAVEL (GW, GP) (NOTES 3, 4, 8, & 9) ✶		
2a DENSE	10	958
2b MEDIUM	6	575
3. GRANULAR SOILS (GC, GM, SW, SP, SM, & SC)(NOTES 4, 5, 8, & 9)✶		
3a DENSE	6	575
3b MEDIUM	3	287
4. CLAYS (SC, CL, & CH)(NOTES 4, 6, 8, & 9) ✶		
4a HARD	5	479
4b STIFF	3	287
4c MEDIUM	2	192
5. SILTS & SILTY SOILS (ML & MH)(NOTES 4, 8, & 9) ✶		
5a DENSE	3	287
5b MEDIUM	1.5	144
6. ORGANIC SILTS, ORGANIC CLAYS, PEATS, SOFT CLAYS, LOOSE GRANULAR SOILS, & VARVED SILTS	SEE 1804.2.1 ✶	SEE 1804.2.1 ✶
7. CONTROLLED & UNCONTROLLED FILLS	SEE 1804.2.2 OR 1804.2.3 ✶	SEE 1804.2.2 OR 1804.2.3 ✶

✶ REFER TO SECTION 1804.2 OR NOTES FOLLOWING TABLE 1804.1 IN THE N.Y.C. BUILDING CODE FOR ADDITIONAL INFORMATION.

COMPACTION RELATED TO SPOON BLOWS PER FOOT

SAND & SILT		CLAY	
LOOSE	LESS THAN 10	SOFT	LESS THAN 4
MEDIUM	10 TO 30	MEDIUM	4 TO 8
DENSE	GREATER THAN 30	STIFF	GREATER THAN 8 TO 30
		HARD	GREATER THAN 30

" N " STANDARD PENETRATION TEST - ASTM D 1586 (2" SPOON, 140lb HAMMER, 30" FALL)

N=17 BLOWS PER FOOT — SPOON BLOW COUNT IS GENERALLY SHOWN IN 6" INCREMENTS FOR 2' DRIVE. TO OBTAIN BLOWS PER FOOT (N) USE THE 2ND & 3RD 6" INCREMENT

	ROTARY CASING	EXTRA HEAVY CASING	SAMPLE SPOON
SIZES, INCHES	2.5		2.0
HAMMER WEIGHT, POUNDS			140
HAMMER FALL, INCHES			30

CB - CASING BLOWSPER 1 FOOT DRIVE
SB - SPOON BLOWS PER 6 INCH DRIVE
P - PUSHED BY WEIGHT OF HAMMER
WOR - WEIGHT OF ROD
UD - UNDISTURBED SOIL SAMPLE
NO - SAMPLE NUMBER
FEET - DEPTH FROM GND. SUR. NOTED AT EACH 5'
WOH - WEIGHT OF HAMMER (INCLUDES ROD)

SOIL MECHANICS DRILLING CORP.
subsoil investigations
3770 MERRICK ROAD * SEAFORD, NEW YORK 11783 * 516 - 221-2333

SYDNEY HOUSE - #839 TILDEN STREET

-SUBSURFACE INVESTIGATION-

BRONX, NEW YORK

PROJECT

SYDNEY HOUSE
#839 TILDEN STREET,
BRONX, NEW YORK

BORING PLAN
(GROUND SURFACE)

VERTICAL BORING SCALE: 1/4"=1'-0"	DRAWING DATE: OCTOBER 29, 2015		DRAWING NUMBER: 15R754-5
DATES OF BORING: OCTOBER 22-23, 2015	DWN. BY: JMR	CKD. BY: CV	SHEET 1 OF 1.

SEAL & SIGNATURE:

DATE: OCTOBER 29, 2015
PROJECT No: 15R754-5
DRAWING BY: JMR
CHK BY: CV
DWG No:

B-001.00

1 OF 1

SUBSOIL
INVESTIGATIONS

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783
(516) 221-2333 • FAX (516) 221-0254

October 30, 2015

Habitat for Humanity of New York City
111 John Street, 23rd Floor
New York, NY 10038
Att: Elan Peskin

Re: Sydney House
839-843 Tilden Street
Bronx, NY
Our Job #15-754

Gentlemen:

Forwarded herewith are the results for the test borings drilled at the above referenced site.

Also enclosed are TR-1 and TR-4 forms for filing with the Building Department.

The purpose of the subsurface investigation was to determine the nature and extent of the underlying soil deposits and determine the structural engineering characteristics of the soil at the site. Five (5) test borings were drilled per New York City Building Code at the above referenced site at the locations shown on our Boring Location Plan. Borings B-1 through B-4 were drilled using truck mounted drilling equipment. The borings were advanced using hollow stem auger casing. A 2" diameter, 2'0" long split spoon sampler was advanced into the subsurface by the use of a CME automatic 140 lb. trip hammer with a 30" drop. From the drops of the hammer blow counts required to advance the split spoon sampler over each 6" interval were recorded and is shown on the boring logs. Boring B-5 was drilled using portable drilling equipment. Sample recovery was obtained using a conventional standard penetration test (SPT) method, i.e., driving a standard 2 inch diameter split spoon sampler with a 140 lb. hammer drop weight falling 30 inches. The number of blows required to advance the spoon each 6 inch increment was recorded and is shown in the third column of the boring log. Continuous split spoon samples were generally taken for the entire length of the boreholes. A written description of the recovered soil samples per our geologist's visual identification of same is also presented on the logs.

The CME automatic hammer operates with an efficiency of approximately 90%. The original conventional use of rope, cathead and drop weight, on the other hand, operates with an efficiency of approximately 60%. As a consequence, the standard penetration test results obtained using the CME auto-hammer are on the order of two-thirds the value that would have been obtained had the original rope and cathead method been used. This is significant if you are using design charts for soil strength parameters based on historical data associated with the rope and cathead method. If so, you should adjust our data accordingly.

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Our investigation revealed that the areas drilled are blanketed by 8 feet to possibly 10 feet of loose to dense soil miscellaneous rubble fill, underlain by a thin layer of dense silty sand extending to decomposed rock and hard sound rock.

Natural ground water was encountered at Boring B-3 at a depth of 10'10" below existing grade at the time the work was done and may be perched.

A piezometer was installed at Boring B-4.

The fill is miscellaneous in nature and density and high blow counts may be due to the rubble in the fill.

The natural sand is capable of supporting foundation loads of 2-1/2 tons per square foot; the decomposed rock can support 8 tons per square foot; the hard rock can support 20 tons per square foot.

We have not been apprised if basements are contemplated for the proposed structures, which may be beneficial due to the presence of the fill.

Liquefaction is not a design consideration.

For seismic purposes the site is classified as Site Class "C" per the New York City Building Code. Table 1613.5.3(1) has a Site coefficient F_a as a function of site class and mapped spectral response acceleration at short periods $(S_s)^a$ is 1.20. Table 1613.5.3(2) has a Site Coefficient F_v as a function of site class and mapped spectral response acceleration at 1-second period $(S_1)^a$ is 1.70.

Frost penetration in this area is 4 feet. All exterior foundations must have a minimum of 4 foot of cover.

Soil samples recovered during drilling operations will be stored in our lab for a period of 30 days after which they will be destroyed. During this period we will deliver these samples to any prescribed location upon request.

SOIL MECHANICS DRILLING CORP.
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(516) 221-2333 • FAX (516) 221-0254

If after you examine the enclosed you have any further questions, please feel free to call and discuss them with us.

Billing is enclosed.

Very truly yours,

SOIL MECHANICS DRILLING CORP.

Carl Vernick, P.E.
President

CV:mlf
Encls.

APPENDIX 2

Soil Boring Geologic Logs

Soil Boring Log

Ecosystems Strategies, Inc.

SB-01 (SHEET 1 OF 1)	Remedial Investigation Report 839-843 Tilden Street, Bronx, New York OER Site No. 15EH-A543X	*ESI FILE HB15073.50*
	DATE: 2015-08-05 DRILLER (RIG): Zebra Technical Services (7822DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Mostly cloudy, light breeze, mid-80s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (70%)	Light brown to dark gray, M SAND, asphalt fragments overlying brown, F SAND (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (30%)	Brown, F SAND, overlying brown to gray F SAND, brick and asphalt (Fill)	Dry	0.0	ND	ND	ND	
10 – 15' (80%)	Brown, F SAND overlying brown, SILT LOAM, weathered rock ****** End of Boring at 14' - REFUSAL *****	Moist	0.0	ND	ND	ND	**(12-14')**

Notes

Fill Materials

Surface to 10'

Saturated Soils

Not encountered

Field Evidence of Contamination

No obvious contamination observed

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-02 (SHEET 1 OF 1)	Remedial Investigation Report 839-843 Tilden Street, Bronx, New York OER Site No. 15EH-A543X	*ESI FILE HB15073.50*
	DATE: 2015-08-05	DRILLER (RIG): Zebra Technical Services (7822DT Geoprobe, 5' macro-core)
	ESI STAFF: A. Atkinson	WEATHER: Mostly cloudy, light breeze, mid-80s F

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (60%)	Brown, F SAND, gravel (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (10%)	Brown, C SAND, cobbles ****** End of Boring – Refusal at 5.5'*****	Dry	0.0	ND	ND	ND	

Notes

Fill Materials

Surface to 5.5'

Saturated Soils

Not encountered

Field Evidence of Contamination

No obvious contamination observed

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-03 (SHEET 1 OF 1)	Remedial Investigation Report 839-843 Tilden Street, Bronx, New York OER Site No. 15EH-A543X	*ESI FILE HB15073.50*
	DATE: 2015-08-05 DRILLER (RIG): Zebra Technical Services (7822DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly cloudy, light breeze, mid-80s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (60%)	Grayish brown, F-C SAND, concrete fragments (Fill) overlying blackish brown, SILT LOAM, gravel	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (70%)	Blackish brown, SILT LOAM, gravel overlying dark brown, F-M SAND, gravel, concrete, brick (Fill) Wood at 8.5'	Dry	0.0	ND	ND	ND	
10 – 15' (10%)	Gray, F SAND, cobbles overlying blackish brown, SILT LOAM ****** End of Boring - Refusal at 10.5' *****	Dry	0.0	ND	ND	ND	**(8-10')**

Notes

Fill Materials

Surface to 8.5'

Saturated Soils

Not encountered

Field Evidence of Contamination

No obvious contamination observed

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-04 (SHEET 1 OF 1)	Remedial Investigation Report 839-843 Tilden Street, Bronx, New York OER Site No. 15EH-A543X	*ESI FILE HB15073.50*
	DATE: 2015-08-05 DRILLER (RIG): Zebra Technical Services (7822DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly cloudy, light breeze, mid-80s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (3") **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (80%)	Brown, F SAND, gravel, brick concrete fragments (Fill) overlying Brown to black SILT LOAM Stone at 3'	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (80%)	Brown, F SAND, cobbles overlying brown, F SAND, gravel ****** End of Boring at 10' - REFUSAL *****	Dry	0.0	ND	ND	ND	**(8-10')**

Notes

Fill Materials

Surface to 4'

Saturated Soils

Not encountered

Field Evidence of Contamination

No obvious contamination observed

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-05 (SHEET 1 OF 1)	Remedial Investigation Report 839-843 Tilden Street, Bronx, New York OER Site No. 15EH-A543X	*ESI FILE HB15073.50*
	DATE: 2015-08-05 DRILLER (RIG): Zebra Technical Services (7822DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Mostly sunny, light breeze, high-80s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (70%)	Brown to grayish brown, F SAND, gravel, brick and concrete fragments (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (20%)	Grayish brown, F SAND, concrete fragments overlying brown, F-M SAND (Fill)	Dry	0.0	ND	ND	ND	
10 – 15' (50%)	Blackish brown, SILT LOAM overlying Brown to grayish brown, F-M SAND, gravel, weathered rock Brick at 11' and concrete at 12.5' ****** End of Boring – Refusal at 14' *****	Moist	0.0	ND	ND	ND	**(12-14')**

Notes

Fill Materials

Surface to 12.5'

Saturated Soils

Not encountered

Field Evidence of Contamination

No obvious contamination observed

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-06 (SHEET 1 OF 1)	Remedial Investigation Report 839-843 Tilden Street, Bronx, New York OER Site No. 15EH-A543X	ESI FILE HB15073.50
	DATE: 2015-08-05 DRILLER (RIG): Zebra Technical Services (7822DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Sunny, calm, high-80s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (70%)	Brown to gray, F SAND, brick and concrete fragments (Fill) overlying grayish brown, SILT LOAM, brick and concrete fragments (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (80%)	Light brown, SILT LOAM overlying grayish brown SILT LOAM, gravel (Fill) Brick at 5' to 5.33'	Moist	0.0	ND	ND	ND	
10 – 15' (80%)	Grayish brown, SILT LOAM, gravel, (Fill) overlying brown F SAND, gravel Brick at 11' ****** End of Boring – Refusal at 14' *****	Moist	0.0	ND	ND	ND	**(12-14')**

Notes

Fill Materials

Surface to 5.5' and at 11'

Saturated Soils

Not encountered

Field Evidence of Contamination

No obvious contamination observed

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-07 (SHEET 1 OF 1)	Remedial Investigation Report 839-843 Tilden Street, Bronx, New York OER Site No. 15EH-A543X	ESI FILE HB15073.50
	DATE: 2015-08-05	DRILLER (RIG): Zebra Technical Services (7822DT Geoprobe, 5' macro-core)
	ESI STAFF: A. Atkinson	WEATHER: Sunny, calm, high-80s F

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (30%)	Dark brown to black M SAND, gravel, brick fragments (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (40%)	Dark brown to black, M SAND, gravel brick fragments (Fill) overlying grayish brown, SILT LOAM ****** End of Boring – Refusal at 7' *****	Dry	0.0	ND	ND	ND	

Notes

Fill Materials

Surface to 6'

Saturated Soils

Not encountered

Field Evidence of Contamination

No obvious contamination observed

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

APPENDIX 3

Data Summary Tables

Table 4: VOCs in Soils
OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-01 (0-2)**		**SB-01 (12-14)**		**SB-02 (0-2)**		**SB-03 (0-2)**	
U= Not Detected at or above indicated value		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,1,1-Trichloroethane	0.68	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,1,2,2-Tetrachloroethane	NA	35#	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	100#	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,1,2-Trichloroethane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,1-Dichloroethane	0.27	26	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,2,3-Trichloropropane	NA	80#	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,2-Dibromoethane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,2-Dichlorobenzene	1.1	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,2-Dichloroethane	0.2	31	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,2-Dichloropropane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,3-Dichlorobenzene	2.4	49	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,4-Dichlorobenzene	1.8	13	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
1,4-Dioxane	0.1	13	0.053	*U*	0.045	*U*	0.045	*U*	0.054	*U*
2-Butanone (MEK)	0.12	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.018	
2-Hexanone	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
4-Methyl-2-pentanone	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Acetone	0.05	100	0.0084	*J*	0.0045	*U*	0.0045	*U*	0.077	
Acrolein	NA	NA	0.0053	*U*	0.0045	*U*	0.0045	*U*	0.0054	*U*
Acrylonitrile	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Benzene	0.06	48	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Bromochloromethane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Bromodichloromethane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Bromoform	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Bromomethane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Carbon disulfide	NA	100#	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Carbon tetrachloride	0.76	24	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Chlorobenzene	1.1	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Chloroethane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Chloroform	0.37	49	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Chloromethane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Cyclohexane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Dibromochloromethane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Dibromomethane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Dichlorodifluoromethane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Ethyl Benzene	1	41	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Hexachlorobutadiene	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Isopropylbenzene	2.3	100#	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Methyl acetate	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Methylcyclohexane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Methylene chloride	0.05	500	0.0053	*U*	0.0045	*U*	0.0045	*U*	0.0054	*U*
n-Butylbenzene	12	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
n-Propylbenzene	3.9	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
o-Xylene	0.26	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
p- & m- Xylenes	0.26	100	0.0053	*U*	0.0045	*U*	0.0045	*U*	0.0054	*U*
p-Isopropyltoluene	10	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
sec-Butylbenzene	11	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Styrene	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0053	*U*	0.0045	*U*	0.0045	*U*	0.0054	*U*
tert-Butylbenzene	5.9	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Toluene	0.7	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Trichloroethylene (TCE)	0.47	21	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Trichlorofluoromethane	NA	NA	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Vinyl chloride (VC)	0.02	0.9	0.0026	*U*	0.0023	*U*	0.0023	*U*	0.0027	*U*
Xylenes, Total	0.26	100	0.0079	*U*	0.0068	*U*	0.0068	*U*	0.008	*U*

Detected Concentrations
Concentrations > UUSCOs
Concentrations > RRUSCOs

= Supplemental SCO
(NYSDEC CP-51 Table 1)

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: VOCs in Soils
OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-03 (8-10)**		**SB-04 (0-2)**		**SB-04 (8-10)**		**SB-05 (0-2)**	
U= Not Detected at or above indicated value		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,1,1-Trichloroethane	0.68	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,1,2,2-Tetrachloroethane	NA	35#	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	100#	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,1,2-Trichloroethane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,1-Dichloroethane	0.27	26	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,2,3-Trichloropropane	NA	80#	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,2-Dibromoethane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,2-Dichlorobenzene	1.1	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,2-Dichloroethane	0.2	31	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,2-Dichloropropane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,3-Dichlorobenzene	2.4	49	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,4-Dichlorobenzene	1.8	13	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
1,4-Dioxane	0.1	13	0.052	*U*	0.044	*U*	0.045	*U*	0.048	*U*
2-Butanone (MEK)	0.12	100	0.009		0.0068		0.0022	*U*	0.0069	
2-Hexanone	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
4-Methyl-2-pentanone	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Acetone	0.05	100	0.064		0.037		0.015		0.037	
Acrolein	NA	NA	0.0052	*U*	0.0044	*U*	0.0045	*U*	0.0048	*U*
Acrylonitrile	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Benzene	0.06	48	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Bromochloromethane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Bromodichloromethane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Bromoform	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Bromomethane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Carbon disulfide	NA	100#	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Carbon tetrachloride	0.76	24	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Chlorobenzene	1.1	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Chloroethane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Chloroform	0.37	49	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Chloromethane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Cyclohexane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Dibromochloromethane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Dibromomethane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Dichlorodifluoromethane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Ethyl Benzene	1	41	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0027	*J*
Hexachlorobutadiene	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Isopropylbenzene	2.3	100#	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Methyl acetate	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Methylcyclohexane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Methylene chloride	0.05	500	0.0052	*U*	0.0044	*U*	0.0045	*U*	0.0048	*U*
n-Butylbenzene	12	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
n-Propylbenzene	3.9	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
o-Xylene	0.26	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
p- & m- Xylenes	0.26	100	0.0052	*U*	0.0044	*U*	0.0045	*U*	0.0048	*U*
p-Isopropyltoluene	10	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
sec-Butylbenzene	11	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Styrene	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0036	*J*
tert-Butyl alcohol (TBA)	NA	NA	0.0052	*U*	0.0044	*U*	0.0045	*U*	0.0048	*U*
tert-Butylbenzene	5.9	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Toluene	0.7	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Trichloroethylene (TCE)	0.47	21	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Trichlorofluoromethane	NA	NA	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Vinyl chloride (VC)	0.02	0.9	0.0026	*U*	0.0022	*U*	0.0022	*U*	0.0024	*U*
Xylenes, Total	0.26	100	0.0078	*U*	0.0066	*U*	0.0067	*U*	0.0072	*U*

Detected Concentrations
Concentrations > UUSCOs
Concentrations > RRUSCOs

= Supplemental SCO
(NYSDEC CP-51 Table 1)

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: VOCs in Soils
OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-05 (12-14)**		**SB-06 (0-2)**		**SB-06 (12-14)**		**SB-07 (0-2)**	
U= Not Detected at or above indicated value		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,1,1-Trichloroethane	0.68	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,1,2,2-Tetrachloroethane	NA	35#	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	100#	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,1,2-Trichloroethane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,1-Dichloroethane	0.27	26	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,2,3-Trichloropropane	NA	80#	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,2-Dibromoethane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,2-Dichlorobenzene	1.1	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,2-Dichloroethane	0.2	31	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,2-Dichloropropane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,3-Dichlorobenzene	2.4	49	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,4-Dichlorobenzene	1.8	13	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
1,4-Dioxane	0.1	13	0.048	*U*	0.059	*U*	0.048	*U*	0.051	*U*
2-Butanone (MEK)	0.12	100	0.0046	*J*	0.016		0.0024	*U*	0.0095	
2-Hexanone	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
4-Methyl-2-pentanone	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Acetone	0.05	100	0.051		0.076		0.0079	*J*	0.045	
Acrolein	NA	NA	0.0048	*U*	0.0059	*U*	0.0048	*U*	0.0051	*U*
Acrylonitrile	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Benzene	0.06	48	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Bromochloromethane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Bromodichloromethane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Bromoform	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Bromomethane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Carbon disulfide	NA	100#	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Carbon tetrachloride	0.76	24	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Chlorobenzene	1.1	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Chloroethane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Chloroform	0.37	49	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Chloromethane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Cyclohexane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Dibromochloromethane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Dibromomethane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Dichlorodifluoromethane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Ethyl Benzene	1	41	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Hexachlorobutadiene	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Isopropylbenzene	2.3	100#	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Methyl acetate	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Methylcyclohexane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Methylene chloride	0.05	500	0.0048	*U*	0.0059	*U*	0.0048	*U*	0.0051	*U*
n-Butylbenzene	12	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
n-Propylbenzene	3.9	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
o-Xylene	0.26	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
p- & m- Xylenes	0.26	100	0.0048	*U*	0.0059	*U*	0.0048	*U*	0.0051	*U*
p-Isopropyltoluene	10	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
sec-Butylbenzene	11	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Styrene	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0048	*U*	0.0059	*U*	0.0048	*U*	0.0051	*U*
tert-Butylbenzene	5.9	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Toluene	0.7	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Trichloroethylene (TCE)	0.47	21	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Trichlorofluoromethane	NA	NA	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Vinyl chloride (VC)	0.02	0.9	0.0024	*U*	0.003	*U*	0.0024	*U*	0.0025	*U*
Xylenes, Total	0.26	100	0.0072	*U*	0.0089	*U*	0.0072	*U*	0.0076	*U*

Detected Concentrations	## = Supplemental SCO
Concentrations > UUSCOs	(NYSDEC CP-51 Table 1)
Concentrations > RRUSCOs	

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5: SVOCs in Soils
OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-01 (0-2)**		**SB-01 (12-14)**		**SB-02 (0-2)**		**SB-03 (0-2)**	
U= Not Detected at or above indicated value		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above SCOs shown in **Bold**		Dilution Factor	2		2		2		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.108	*U*	0.0997	*U*	0.0911	*U*	0.107	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
1,2-Dichlorobenzene	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
1,2-Diphenylhydrazine (Azobenzene)	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
1,3-Dichlorobenzene	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
1,4-Dichlorobenzene	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.108	*U*	0.0997	*U*	0.0911	*U*	0.107	*U*
2,4,5-Trichlorophenol	NA	100#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
2,4,6-Trichlorophenol	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
2,4-Dichlorophenol	NA	100#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
2,4-Dimethylphenol	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
2,4-Dinitrophenol	NA	100#	0.108	*U*	0.0997	*U*	0.0911	*U*	0.107	*U*
2,4-Dinitrotoluene	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
2,6-Dinitrotoluene	NA	1.03#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
2-Chloronaphthalene	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
2-Chlorophenol	NA	100#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
2-Methylnaphthalene	NA	0.41#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
2-Methylphenol	0.33	100	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
2-Nitroaniline	NA	NA	0.108	*U*	0.0997	*U*	0.0911	*U*	0.107	*U*
2-Nitrophenol	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
3- & 4-Methylphenols	0.33	100	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
3,3'-Dichlorobenzidine	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
3-Nitroaniline	NA	NA	0.108	*U*	0.0997	*U*	0.0911	*U*	0.107	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.108	*U*	0.0997	*U*	0.0911	*U*	0.107	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
4-Chloro-3-methylphenol	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
4-Chloroaniline	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
4-Nitroaniline	NA	NA	0.108	*U*	0.0997	*U*	0.0911	*U*	0.107	*U*
4-Nitrophenol	NA	NA	0.108	*U*	0.0997	*U*	0.0911	*U*	0.107	*U*
Acenaphthene	20	100	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Acenaphthylene	100	100	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Acetophenone	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Aniline	NA	100#	0.216	*U*	0.2	*U*	0.182	*U*	0.214	*U*
Anthracene	100	100	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Atrazine	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Benzaldehyde	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Benzidine	NA	NA	0.216	*U*	0.2	*U*	0.182	*U*	0.214	*U*
Benzo(a)anthracene	1	1	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Benzo(a)pyrene	1	1	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Benzo(b)fluoranthene	1	1	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Benzo(g,h,i)perylene	100	100	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Benzoic acid	NA	100#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Benzyl alcohol	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Benzyl butyl phthalate	NA	100#	0.0541	*U*	0.0861	*JD*	0.0457	*U*	0.0535	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Bis(2-ethylhexyl)phthalate	NA	50#	0.0541	*U*	0.0861	*JD*	0.0457	*U*	0.0535	*U*
Caprolactam	NA	NA	0.108	*U*	0.0997	*U*	0.0911	*U*	0.107	*U*
Carbazole	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Chrysene	1	3.9	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Dibenzofuran	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Diethyl phthalate	NA	100#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Dimethyl phthalate	NA	100#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Di-n-butyl phthalate	NA	100#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Di-n-octyl phthalate	NA	100#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Fluoranthene	100	100	0.0578	*JD*	0.0518	*JD*	0.0457	*U*	0.0535	*U*
Fluorene	30	100	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Hexachlorobenzene	NA	0.41#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Hexachlorobutadiene	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Hexachlorocyclopentadiene	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Hexachloroethane	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Isophorone	NA	100#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Naphthalene	12	100	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Nitrobenzene	NA	15#	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
N-Nitrosodimethylamine	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
N-Nitrosodiphenylamine	NA	NA	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Pentachlorophenol	0.8	6.7	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Phenanthrene	100	100	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Phenol	0.33	100	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*
Pyrene	100	100	0.0541	*U*	0.05	*U*	0.0457	*U*	0.0535	*U*

Detected Concentrations	*# = Supplemental SCO*
Concentrations > UUSCOs	(NYSDEC CP-51 Table 1)
Concentrations > RRUSCOs	

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5: SVOCs in Soils
OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-03 (8-10)**		**SB-04 (0-2)**		**SB-04 (8-10)**		**SB-05 (0-2)**	
U= Not Detected at or above indicated value		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above SCOs shown in **Bold**		Dilution Factor	2		2		2		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.0911	*U*	0.0886	*U*	0.0884	*U*	0.09	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
1,2-Dichlorobenzene	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
1,2-Diphenylhydrazine (Azobenzene)	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
1,3-Dichlorobenzene	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
1,4-Dichlorobenzene	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.0911	*U*	0.0886	*U*	0.0884	*U*	0.09	*U*
2,4,5-Trichlorophenol	NA	100#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
2,4,6-Trichlorophenol	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
2,4-Dichlorophenol	NA	100#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
2,4-Dimethylphenol	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
2,4-Dinitrophenol	NA	100#	0.0911	*U*	0.0886	*U*	0.0884	*U*	0.09	*U*
2,4-Dinitrotoluene	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
2,6-Dinitrotoluene	NA	1.03#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
2-Chloronaphthalene	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
2-Chlorophenol	NA	100#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
2-Methylnaphthalene	NA	0.41#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
2-Methylphenol	0.33	100	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
2-Nitroaniline	NA	NA	0.0911	*U*	0.0886	*U*	0.0884	*U*	0.09	*U*
2-Nitrophenol	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
3- & 4-Methylphenols	0.33	100	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
3,3'-Dichlorobenzidine	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
3-Nitroaniline	NA	NA	0.0911	*U*	0.0886	*U*	0.0884	*U*	0.09	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.0911	*U*	0.0886	*U*	0.0884	*U*	0.09	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
4-Chloro-3-methylphenol	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
4-Chloroaniline	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
4-Nitroaniline	NA	NA	0.0911	*U*	0.0886	*U*	0.0884	*U*	0.09	*U*
4-Nitrophenol	NA	NA	0.0911	*U*	0.0886	*U*	0.0884	*U*	0.09	*U*
Acenaphthene	20	100	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Acenaphthylene	100	100	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Acetophenone	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Aniline	NA	100#	0.182	*U*	0.177	*U*	0.177	*U*	0.18	*U*
Anthracene	100	100	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Atrazine	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Benzaldehyde	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Benzidine	NA	NA	0.182	*U*	0.177	*U*	0.177	*U*	0.18	*U*
Benzo(a)anthracene	1	1	0.0456	*U*	0.0545	*JD*	0.0443	*U*	0.0451	*U*
Benzo(a)pyrene	1	1	0.0456	*U*	0.0659	*JD*	0.0443	*U*	0.0451	*U*
Benzo(b)fluoranthene	1	1	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Benzo(g,h,i)perylene	100	100	0.0456	*U*	0.0821	*JD*	0.0443	*U*	0.0451	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Benzoic acid	NA	100#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Benzyl alcohol	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Benzyl butyl phthalate	NA	100#	0.0456	*U*	0.0444	*U*	0.0566	*JD*	0.0451	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Bis(2-ethylhexyl)phthalate	NA	50#	0.0456	*U*	0.0444	*U*	0.0566	*JD*	0.0451	*U*
Caprolactam	NA	NA	0.0911	*U*	0.0886	*U*	0.0884	*U*	0.09	*U*
Carbazole	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Chrysene	1	3.9	0.0456	*U*	0.0701	*JD*	0.0443	*U*	0.0451	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Dibenzofuran	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Diethyl phthalate	NA	100#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Dimethyl phthalate	NA	100#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Di-n-butyl phthalate	NA	100#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Di-n-octyl phthalate	NA	100#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Fluoranthene	100	100	0.0456	*U*	0.107	*D*	0.0443	*U*	0.0451	*U*
Fluorene	30	100	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Hexachlorobenzene	NA	0.41#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Hexachlorobutadiene	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Hexachlorocyclopentadiene	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Hexachloroethane	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0456	*U*	0.068	*JD*	0.0443	*U*	0.0451	*U*
Isophorone	NA	100#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Naphthalene	12	100	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Nitrobenzene	NA	15#	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
N-Nitrosodimethylamine	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
N-Nitrosodiphenylamine	NA	NA	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Pentachlorophenol	0.8	6.7	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Phenanthrene	100	100	0.0456	*U*	0.0524	*JD*	0.0443	*U*	0.0451	*U*
Phenol	0.33	100	0.0456	*U*	0.0444	*U*	0.0443	*U*	0.0451	*U*
Pyrene	100	100	0.0456	*U*	0.0928	*D*	0.0443	*U*	0.046	*JD*

Detected Concentrations	*# = Supplemental SCO*
Concentrations > UUSCOs	(NYSDEC CP-51 Table 1)
Concentrations > RRUSCOs	

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5: SVOCs in Soils
OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-05 (12-14)**		**SB-06 (0-2)**		**SB-06 (12-14)**		**SB-07 (0-2)**	
U= Not Detected at or above indicated value		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above SCOs shown in **Bold**		Dilution Factor	2		2		2		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.0954	*U*	0.0902	*U*	0.0954	*U*	0.0917	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
1,2-Dichlorobenzene	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
1,2-Diphenylhydrazine (Azobenzene)	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
1,3-Dichlorobenzene	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
1,4-Dichlorobenzene	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.0954	*U*	0.0902	*U*	0.0954	*U*	0.0917	*U*
2,4,5-Trichlorophenol	NA	100#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
2,4,6-Trichlorophenol	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
2,4-Dichlorophenol	NA	100#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
2,4-Dimethylphenol	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
2,4-Dinitrophenol	NA	100#	0.0954	*U*	0.0902	*U*	0.0954	*U*	0.0917	*U*
2,4-Dinitrotoluene	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
2,6-Dinitrotoluene	NA	1.03#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
2-Chloronaphthalene	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
2-Chlorophenol	NA	100#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
2-Methylnaphthalene	NA	0.41#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
2-Methylphenol	0.33	100	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
2-Nitroaniline	NA	NA	0.0954	*U*	0.0902	*U*	0.0954	*U*	0.0917	*U*
2-Nitrophenol	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
3- & 4-Methylphenols	0.33	100	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
3,3'-Dichlorobenzidine	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
3-Nitroaniline	NA	NA	0.0954	*U*	0.0902	*U*	0.0954	*U*	0.0917	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.0954	*U*	0.0902	*U*	0.0954	*U*	0.0917	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
4-Chloro-3-methylphenol	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
4-Chloroaniline	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
4-Nitroaniline	NA	NA	0.0954	*U*	0.0902	*U*	0.0954	*U*	0.0917	*U*
4-Nitrophenol	NA	NA	0.0954	*U*	0.0902	*U*	0.0954	*U*	0.0917	*U*
Acenaphthene	20	100	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Acenaphthylene	100	100	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Acetophenone	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Aniline	NA	100#	0.191	*U*	0.181	*U*	0.191	*U*	0.184	*U*
Anthracene	100	100	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Atrazine	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Benzaldehyde	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Benzidine	NA	NA	0.191	*U*	0.181	*U*	0.191	*U*	0.184	*U*
Benzo(a)anthracene	1	1	0.0478	*U*	0.0452	*U*	0.182	*D*	0.114	*D*
Benzo(a)pyrene	1	1	0.0478	*U*	0.0452	*U*	0.182	*D*	0.0608	*JD*
Benzo(b)fluoranthene	1	1	0.0478	*U*	0.0452	*U*	0.126	*D*	0.0784	*JD*
Benzo(g,h,i)perylene	100	100	0.0478	*U*	0.0452	*U*	0.195	*D*	0.0459	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0478	*U*	0.0452	*U*	0.172	*D*	0.101	*D*
Benzoic acid	NA	100#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Benzyl alcohol	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Benzyl butyl phthalate	NA	100#	0.0618	*JD*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Bis(2-ethylhexyl)phthalate	NA	50#	0.0618	*JD*	0.0452	*U*	0.0869	*JD*	0.0459	*U*
Caprolactam	NA	NA	0.0954	*U*	0.0902	*U*	0.0954	*U*	0.0917	*U*
Carbazole	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Chrysene	1	3.9	0.0478	*U*	0.0452	*U*	0.2	*D*	0.211	*D*
Dibenzo(a,h)anthracene	0.33	0.33	0.0478	*U*	0.0452	*U*	0.0991	*D*	0.0459	*U*
Dibenzofuran	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Diethyl phthalate	NA	100#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Dimethyl phthalate	NA	100#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Di-n-butyl phthalate	NA	100#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Di-n-octyl phthalate	NA	100#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Fluoranthene	100	100	0.0478	*U*	0.0452	*U*	0.253	*D*	0.278	*D*
Fluorene	30	100	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Hexachlorobenzene	NA	0.41#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Hexachlorobutadiene	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Hexachlorocyclopentadiene	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Hexachloroethane	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0478	*U*	0.0452	*U*	0.149	*D*	0.0459	*U*
Isophorone	NA	100#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Naphthalene	12	100	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Nitrobenzene	NA	15#	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
N-Nitrosodimethylamine	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
N-Nitrosodiphenylamine	NA	NA	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Pentachlorophenol	0.8	6.7	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Phenanthrene	100	100	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0975	*D*
Phenol	0.33	100	0.0478	*U*	0.0452	*U*	0.0478	*U*	0.0459	*U*
Pyrene	100	100	0.0478	*U*	0.0452	*U*	0.322	*D*	0.284	*D*

Detected Concentrations	*# = Supplemental SCO*
Concentrations > UUSCOs	(NYSDEC CP-51 Table 1)
Concentrations > RRUSCOs	

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: Pesticides and PCBs in Soils
OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-01 (0-2)**		**SB-01 (12-14)**		**SB-02 (0-2)**		**SB-03 (0-2)**	
U= Not Detected at or above indicated value		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.0117	*D*
4,4'-DDE	0.0033	8.9	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
4,4'-DDT	0.0033	7.9	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
Aldrin	0.005	0.097	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
alpha-BHC	0.02	0.48	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
alpha-Chlordane	0.094	4.2	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00739	*D*
beta-BHC	0.036	0.36	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
Chlordane (total)	NA	NA	0.0854	*U*	0.0789	*U*	0.0721	*U*	0.127	*U*
delta-BHC	0.04	100	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
Dieldrin	0.005	0.2	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
Endosulfan I	2.4	24	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
Endosulfan II	2.4	24	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
Endosulfan sulfate	2.4	24	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
Endrin	0.014	11	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
Endrin aldehyde	NA	NA	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
Endrin ketone	NA	NA	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
gamma-BHC (Lindane)	0.1	1.3	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
gamma-Chlordane	NA	0.54[#]	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.0078	*D*
Heptachlor	0.042	2.1	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
Heptachlor Epoxide	NA	0.077[#]	0.00214	*U*	0.00197	*U*	0.0018	*U*	0.00317	*U*
Methoxychlor	NA	100[#]	0.0107	*U*	0.00986	*U*	0.00901	*U*	0.0158	*U*
Toxaphene	NA	NA	0.108	*U*	0.0998	*U*	0.0912	*U*	0.16	*U*

		Sample ID	**SB-01 (0-2)**		**SB-01 (12-14)**		**SB-02 (0-2)**		**SB-03 (0-2)**	
		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
		Dilution Factor	1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0216	*U*	0.0199	*U*	0.0182	*U*	0.032	*U*
Aroclor 1221	0.1	1.00	0.0216	*U*	0.0199	*U*	0.0182	*U*	0.032	*U*
Aroclor 1232	0.1	1.00	0.0216	*U*	0.0199	*U*	0.0182	*U*	0.032	*U*
Aroclor 1242	0.1	1.00	0.0216	*U*	0.0199	*U*	0.0182	*U*	0.032	*U*
Aroclor 1248	0.1	1.00	0.0216	*U*	0.0199	*U*	0.0182	*U*	0.032	*U*
Aroclor 1254	0.1	1.00	0.0216	*U*	0.0199	*U*	0.0182	*U*	0.032	*U*
Aroclor 1260	0.1	1.00	0.0216	*U*	0.0199	*U*	0.0182	*U*	0.032	*U*
Aroclor, Total	0.1	1.00	0.0216	*U*	0.0199	*U*	0.0182	*U*	0.032	*U*

Detected Concentrations
Concentrations > UUSCOs
Concentrations > RRUSCOs

 # = Supplemental SCO
(NYSDEC CP-51 Table 1)

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: Pesticides and PCBs in Soils
OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-03 (8-10)**		**SB-04 (0-2)**		**SB-04 (8-10)**		**SB-05 (0-2)**	
U= Not Detected at or above indicated value		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00538	*D*
4,4'-DDE	0.0033	8.9	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
4,4'-DDT	0.0033	7.9	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
Aldrin	0.005	0.097	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
alpha-BHC	0.02	0.48	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
alpha-Chlordane	0.094	4.2	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00674	*D*
beta-BHC	0.036	0.36	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
Chlordane (total)	NA	NA	0.108	*U*	0.105	*U*	0.105	*U*	0.113	*D*
delta-BHC	0.04	100	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
Dieldrin	0.005	0.2	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
Endosulfan I	2.4	24	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
Endosulfan II	2.4	24	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
Endosulfan sulfate	2.4	24	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
Endrin	0.014	11	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
Endrin aldehyde	NA	NA	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
Endrin ketone	NA	NA	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
gamma-BHC (Lindane)	0.1	1.3	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
gamma-Chlordane	NA	0.54[#]	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00575	*D*
Heptachlor	0.042	2.1	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
Heptachlor Epoxide	NA	0.077[#]	0.0027	*U*	0.00263	*U*	0.00262	*U*	0.00267	*U*
Methoxychlor	NA	100[#]	0.0135	*U*	0.0131	*U*	0.0131	*U*	0.0133	*U*
Toxaphene	NA	NA	0.137	*U*	0.133	*U*	0.133	*U*	0.135	*U*

		Sample ID	**SB-03 (8-10)**		**SB-04 (0-2)**		**SB-04 (8-10)**		**SB-05 (0-2)**	
		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
		Dilution Factor	1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0273	*U*	0.0265	*U*	0.0265	*U*	0.027	*U*
Aroclor 1221	0.1	1.00	0.0273	*U*	0.0265	*U*	0.0265	*U*	0.027	*U*
Aroclor 1232	0.1	1.00	0.0273	*U*	0.0265	*U*	0.0265	*U*	0.027	*U*
Aroclor 1242	0.1	1.00	0.0273	*U*	0.0265	*U*	0.0265	*U*	0.027	*U*
Aroclor 1248	0.1	1.00	0.0273	*U*	0.0265	*U*	0.0265	*U*	0.027	*U*
Aroclor 1254	0.1	1.00	0.0273	*U*	0.0265	*U*	0.0265	*U*	0.027	*U*
Aroclor 1260	0.1	1.00	0.0273	*U*	0.0265	*U*	0.0265	*U*	0.027	*U*
Aroclor, Total	0.1	1.00	0.0273	*U*	0.0265	*U*	0.0265	*U*	0.027	*U*

Detected Concentrations
Concentrations > UUSCOs
Concentrations > RRUSCOs

 # = Supplemental SCO
(NYSDEC CP-51 Table 1)

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: Pesticides and PCBs in Soils
OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-05 (12-14)**		**SB-06 (0-2)**		**SB-06 (12-14)**		**SB-07 (0-2)**	
U= Not Detected at or above indicated value		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
4,4'-DDE	0.0033	8.9	0.00283	*U*	0.0127	*D*	0.00283	*U*	0.00272	*U*
4,4'-DDT	0.0033	7.9	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
Aldrin	0.005	0.097	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
alpha-BHC	0.02	0.48	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
alpha-Chlordane	0.094	4.2	0.00283	*U*	0.0289	*D*	0.00283	*U*	0.0132	*D*
beta-BHC	0.036	0.36	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
Chlordane (total)	NA	NA	0.113	*U*	0.437	*D*	0.113	*U*	0.19	*D*
delta-BHC	0.04	100	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
Dieldrin	0.005	0.2	0.00283	*U*	0.0133	*D*	0.00283	*U*	0.00272	*U*
Endosulfan I	2.4	24	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
Endosulfan II	2.4	24	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
Endosulfan sulfate	2.4	24	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
Endrin	0.014	11	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
Endrin aldehyde	NA	NA	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
Endrin ketone	NA	NA	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
gamma-BHC (Lindane)	0.1	1.3	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
gamma-Chlordane	NA	0.54[#]	0.00283	*U*	0.0283	*D*	0.00283	*U*	0.0159	*D*
Heptachlor	0.042	2.1	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
Heptachlor Epoxide	NA	0.077[#]	0.00283	*U*	0.00268	*U*	0.00283	*U*	0.00272	*U*
Methoxychlor	NA	100[#]	0.0142	*U*	0.0134	*U*	0.0142	*U*	0.0136	*U*
Toxaphene	NA	NA	0.143	*U*	0.135	*U*	0.143	*U*	0.138	*U*

		Sample ID	**SB-05 (12-14)**		**SB-06 (0-2)**		**SB-06 (12-14)**		**SB-07 (0-2)**	
		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
		Dilution Factor	1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0286	*U*	0.027	*U*	0.0286	*U*	0.0275	*U*
Aroclor 1221	0.1	1.00	0.0286	*U*	0.027	*U*	0.0286	*U*	0.0275	*U*
Aroclor 1232	0.1	1.00	0.0286	*U*	0.027	*U*	0.0286	*U*	0.0275	*U*
Aroclor 1242	0.1	1.00	0.0286	*U*	0.027	*U*	0.0286	*U*	0.0275	*U*
Aroclor 1248	0.1	1.00	0.0286	*U*	0.027	*U*	0.0286	*U*	0.0275	*U*
Aroclor 1254	0.1	1.00	0.0286	*U*	0.027	*U*	0.0286	*U*	0.172	
Aroclor 1260	0.1	1.00	0.0286	*U*	0.027	*U*	0.0286	*U*	0.161	
Aroclor, Total	0.1	1.00	0.0286	*U*	0.027	*U*	0.0286	*U*	0.333	

Detected Concentrations
Concentrations > UUSCOs
Concentrations > RRUSCOs

 # = Supplemental SCO
(NYSDEC CP-51 Table 1)

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: TAL Metals in Soils
OER Project Number 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-01 (0-2)**		**SB-01 (12-14)**		**SB-02 (0-2)**		**SB-03 (0-2)**	
U= Not Detected at or above indicated value		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	12,900	*B*	16,500	*B*	17,000	*B*	13,100	*B*
Antimony	NA	NA	0.647	*U*	0.598	*U*	0.546	*U*	0.64	*U*
Arsenic	13	16	4.31		2.51		1.34		2.27	
Barium	350	400	228		93.8		86.5		112	
Beryllium	7.2	72	0.129	*U*	0.12	*U*	0.109	*U*	0.128	*U*
Cadmium	2.5	4.3	0.388	*U*	0.359	*U*	0.328	*U*	0.384	*U*
Calcium	NA	NA	1,710	*B*	1,920	*B*	1,340	*B*	11,500	*B*
Chromium	30	180	31		31.5		30.4		38.5	
Cobalt	NA	30#	11.2		10.1		14		12.5	
Copper	50	270	37.9		16.5		22.4		21.8	
Iron	NA	2,000#	21,100		21,300		22,900		21,200	
Lead	63	400	88		33.4		23.2		31.9	
Magnesium	NA	NA	3,710		3,540		3,450		3,640	
Manganese	1,600	2,000	438		276		468		249	
Mercury	0.18	0.81	0.0794		0.0473		0.0328	*U*	0.0782	
Nickel	30	310	23.3		17.7		21.7		27.8	
Potassium	NA	NA	1,920		1,420		2,010		2,260	
Selenium	3.9	180	1.29	*U*	2.1		2.17		1.44	
Silver	2	180	0.647	*U*	0.598	*U*	0.546	*U*	0.64	*U*
Sodium	NA	NA	359		211		112		180	
Thallium	NA	NA	1.29	*U*	1.2	*U*	1.09	*U*	1.28	*U*
Vanadium	NA	100#	36.2		37.7		37		45.7	
Zinc	109	10, 000	93.9		56.7		46.9		88.5	

Detected Concentrations
Concentrations > UUSCOs
Concentrations > RRUSCOs

 # = Supplemental SCO
(NYSDEC CP-51 Table 1)

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: TAL Metals in Soils
OER Project Number 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-03 (8-10)**		**SB-04 (0-2)**		**SB-04 (8-10)**		**SB-05 (0-2)**	
U= Not Detected at or above indicated value		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	14,000	*B*	10,500	*B*	23,200	*B*	13,800	*B*
Antimony	NA	NA	0.546	*U*	0.531	*U*	0.53	*U*	0.539	*U*
Arsenic	13	16	2.06		1.86		1.06	*U*	3.22	
Barium	350	400	90.1		64.5		160		91.5	
Beryllium	7.2	72	0.109	*U*	0.106	*U*	0.106	*U*	0.108	*U*
Cadmium	2.5	4.3	0.328	*U*	0.319	*U*	0.437		0.324	*U*
Calcium	NA	NA	3,690	*B*	3,810	*B*	1,580	*B*	3,270	*B*
Chromium	30	180	35.6		28.8		43.1		35.7	
Cobalt	NA	30#	10.5		8.01		26.4		11.2	
Copper	50	270	19.6		21.9		52.4		35.9	
Iron	NA	2,000#	20,400		14,900		44,000	*E*	28,900	
Lead	63	400	7.56		23.5		10.4		48.3	
Magnesium	NA	NA	4,250		3,170		6,920		3,320	
Manganese	1,600	2,000	232		307		637		372	
Mercury	0.18	0.81	0.0328	*U*	0.0319	*U*	0.0318	*U*	0.063	
Nickel	30	310	20.6		19		35.6		29.6	
Potassium	NA	NA	1,670		1,080		6,560		1,370	
Selenium	3.9	180	1.35		1.06	*U*	4.04		2.9	
Silver	2	180	0.546	*U*	0.531	*U*	0.53	*U*	0.539	*U*
Sodium	NA	NA	437		136		323		137	
Thallium	NA	NA	1.09	*U*	1.06	*U*	1.06	*U*	1.08	*U*
Vanadium	NA	100#	44.7		29.6		58.7		35.1	
Zinc	109	10, 000	40.4		40.3		123		129	

Detected Concentrations
Concentrations > UUSCOs
Concentrations > RRUSCOs

 # = Supplemental SCO
(NYSDEC CP-51 Table 1)

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: TAL Metals in Soils
OER Project Number 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-05 (12-14)**		**SB-06 (0-2)**		**SB-06 (12-14)**		**SB-07 (0-2)**	
U= Not Detected at or above indicated value		Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	20,300	*B*	20,200	*B*	11,800	*B*	12,400	*B*
Antimony	NA	NA	0.572	*U*	0.541	*U*	0.572	*U*	0.55	*U*
Arsenic	13	16	1.14	*U*	4.82		1.14	*U*	3.37	
Barium	350	400	141		156		102		138	
Beryllium	7.2	72	0.114	*U*	0.108	*U*	0.114	*U*	0.11	*U*
Cadmium	2.5	4.3	0.345		0.639		0.343	*U*	0.953	
Calcium	NA	NA	885	*B*	12,600	*B*	1,390	*B*	36,000	*B*
Chromium	30	180	37.1		46.2		26.7		30.6	
Cobalt	NA	30#	21.7		15.2		12.8		11.2	
Copper	50	270	35		43.1		26.5		53	
Iron	NA	2,000#	37,200		28,000		22,900		24,700	
Lead	63	400	8.12		88.9		4.76		129	
Magnesium	NA	NA	5,820		5,890		4,230		15,600	
Manganese	1,600	2,000	512		409		460		329	
Mercury	0.18	0.81	0.0343	*U*	0.0517		0.0343	*U*	0.159	
Nickel	30	310	32.6		32.9		21		20.7	
Potassium	NA	NA	5,730		2,310		4,110		3,290	
Selenium	3.9	180	2.84		2.23		1.81		1.41	*U*
Silver	2	180	0.572	*U*	0.541	*U*	0.572	*U*	0.55	*U*
Sodium	NA	NA	130		230		138		486	
Thallium	NA	NA	1.14	*U*	1.08	*U*	1.14	*U*	1.1	*U*
Vanadium	NA	100#	54.3		56.5		35.8		54	
Zinc	109	10, 000	81.8		227		43.6		166	

Detected Concentrations
Concentrations > UUSCOs
Concentrations > RRUSCOs

 # = Supplemental SCO
(NYSDEC CP-51 Table 1)

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 8: VOCs in Groundwater

OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-01**		**TB-20151102**	
U= Not Detected at or above indicated value	Sample Date	(2015-11-02)		(2015-11-02)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	5	0.2	*U*	0.2	*U*
1,1,1-Trichloroethane	5	0.2	*U*	0.2	*U*
1,1,2,2-Tetrachloroethane	5	0.2	*U*	0.2	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*
1,1,2-Trichloroethane	1	0.2	*U*	0.2	*U*
1,1-Dichloroethane	5	0.2	*U*	0.2	*U*
1,1-Dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*
1,2,3-Trichlorobenzene	5	0.2	*U*	0.2	*U*
1,2,3-Trichloropropane	0.04	0.2	*U*	0.2	*U*
1,2,4-Trichlorobenzene	5	0.2	*U*	0.2	*U*
1,2,4-Trimethylbenzene	5	0.42	*J*	0.2	*U*
1,2-Dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*
1,2-Dibromoethane	5	0.2	*U*	0.2	*U*
1,2-Dichlorobenzene	3	0.2	*U*	0.2	*U*
1,2-Dichloroethane	0.6	0.2	*U*	0.2	*U*
1,2-Dichloropropane	1	0.2	*U*	0.2	*U*
1,3,5-Trimethylbenzene	5	0.2	*U*	0.2	*U*
1,3-Dichlorobenzene	3	0.2	*U*	0.2	*U*
1,4-Dichlorobenzene	3	0.2	*U*	0.2	*U*
1,4-Dioxane	NA	40	*U*	40	*U*
2-Butanone (MEK)	50	0.28	*J*	1	*J*
2-Hexanone	50	0.2	*U*	0.2	*U*
4-Methyl-2-pentanone	NA	0.21	*J*	0.2	*U*
Acetone	50	1	*U*	5	
Acrolein	5	0.2	*U*	0.2	*U*
Acrylonitrile	5	0.2	*U*	0.2	*U*
Benzene	1	0.2	*U*	0.2	*U*
Bromochloromethane	5	0.2	*U*	0.2	*U*
Bromodichloromethane	50	0.2	*U*	0.2	*U*
Bromoform	50	0.2	*U*	0.2	*U*
Bromomethane	5	0.2	*U*	0.2	*U*
Carbon disulfide	NA	0.27	*J*	0.2	*U*
Carbon tetrachloride	5	0.2	*U*	0.2	*U*
Chlorobenzene	5	0.2	*U*	0.2	*U*
Chloroethane	5	0.2	*U*	0.2	*U*
Chloroform	7	0.2	*U*	0.2	*U*
Chloromethane	5	0.2	*U*	0.2	*U*
cis-1,2-Dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*
cis-1,3-Dichloropropylene	0.4	0.2	*U*	0.2	*U*
Cyclohexane	NA	0.2	*U*	0.2	*U*
Dibromochloromethane	5	0.2	*U*	0.2	*U*
Dibromomethane	5	0.2	*U*	0.2	*U*
Dichlorodifluoromethane	5	0.2	*U*	0.2	*U*
Ethyl Benzene	5	0.2	*U*	0.2	*U*
Hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*
Isopropylbenzene	5	0.2	*U*	0.2	*U*
Methyl acetate	NA	0.2	*U*	0.2	*U*
Methyl tert-butyl ether (MTBE)	10	0.5		0.2	*U*
Methylcyclohexane	NA	0.2	*U*	0.2	*U*
Methylene chloride	5	1	*U*	1	*U*
n-Butylbenzene	5	0.2	*U*	0.2	*U*
n-Propylbenzene	5	0.2	*U*	0.2	*U*
o-Xylene	5	0.93		0.2	*U*
p- & m- Xylenes	5	1.6		0.5	*U*
p-Isopropyltoluene	5	0.2	*U*	0.2	*U*
sec-Butylbenzene	5	0.2	*U*	0.2	*U*
Styrene	5	0.2	*U*	0.2	*U*
tert-Butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*
tert-Butylbenzene	5	0.2	*U*	0.2	*U*
Tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*
Toluene	5	0.21	*J*	0.2	*U*
trans-1,2-Dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*
trans-1,3-Dichloropropylene	0.4	0.2	*U*	0.2	*U*
Trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*
Trichlorofluoromethane	5	0.2	*U*	0.2	*U*
Vinyl chloride (VC)	2	0.2	*U*	0.2	*U*
Xylenes, Total	5	2.5		0.6	*U*

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 9: TAL Metals (Total) in Groundwater

OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-01**	
U= Not Detected at or above indicated value	Sample Date	(2015-11-02)	
Data above AWQS shown in **Bold**	Dilution Factor	1	
Metals, 6010 and 7473	**AWQS**	*Result*	*Qualifier*
Aluminum	NA	43,900	
Antimony	3	6	*U*
Arsenic	25	6	
Barium	1,000	711	
Beryllium	3	1	*U*
Cadmium	5	3	*U*
Calcium	NA	349,000	
Chromium	50	**89**	
Cobalt	5	**32**	
Copper	200	108	
Iron**	300	**56,900**	
Lead	25	**101**	
Magnesium	35,000	**55,800**	
Manganese**	300	**5,000**	
Mercury	0.7	0.2	*U*
Nickel	100	61	
Potassium	NA	29,500	
Selenium	10	**17**	
Silver	50	6	*U*
Sodium	20,000	**53,100**	
Thallium	0.5	6	*U*
Vanadium	14	**105**	
Zinc	2,000	233	

** combined iron and manganese = 500

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 10: TAL Metals (Dissolved) in Groundwater

OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-01**	
U= Not Detected at or above indicated value	Sample Date	(2015-11-02)	
Data above AWQS shown in **Bold**	Dilution Factor	1	
Metals, 6010 and 7473	**AWQS**	*Result*	*Qualifier*
Aluminum	NA	56	*U*
Antimony	3	6	*U*
Arsenic	25	4	*U*
Barium	1,000	297	
Beryllium	3	1	*U*
Cadmium	5	3	*U*
Calcium	NA	363,000	
Chromium	50	6	*U*
Cobalt	5	6	*U*
Copper	200	15	
Iron**	300	296	
Lead	25	3	*U*
Magnesium	35,000	**49,300**	
Manganese**	300	**4,810**	
Mercury	0.7	0.2	*U*
Nickel	100	6	*U*
Potassium	NA	20,600	
Selenium	10	11	*U*
Silver	50	6	*U*
Sodium	20,000	**48,500**	
Thallium	0.5	6	*U*
Vanadium	14	11	*U*
Zinc	2,000	53	

** combined iron and manganese = 500

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 11: Pesticides and PCBs in Groundwater

OER Project Number: 15EHA-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-01**	
U= Not Detected at or above indicated value	Sample Date	(2015-11-02)	
Data above AWQS shown in **Bold**	Dilution Factor	1	
Pesticides, 8081	**AWQS**	*Result*	*Qualifier*
4,4'-DDD	0.3	0.004	*U*
4,4'-DDE	0.2	0.004	*U*
4,4'-DDT	0.2	0.004	*U*
Aldrin	NE	0.004	*U*
alpha-BHC	0.01	0.004	*U*
alpha-Chlordane	0.05	0.004	*U*
beta-BHC	0.04	0.004	*U*
Chlordane, total	0.05	0.04	*U*
delta-BHC	0.04	0.004	*U*
Dieldrin	0.004	0.002	*U*
Endosulfan I	NA	0.004	*U*
Endosulfan II	NA	0.004	*U*
Endosulfan sulfate	NA	0.004	*U*
Endrin	NA	0.004	*U*
Endrin aldehyde	5	0.01	*U*
Endrin ketone	5	0.01	*U*
gamma-BHC (Lindane)	0.05	0.004	*U*
gamma-Chlordane	0.05	0.01	*U*
Heptachlor	0.04	0.004	*U*
Heptachlor Epoxide	0.03	0.004	*U*
Methoxychlor	35	0.004	*U*
Toxaphene	0.06	0.1	*U*

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 12: VOCs in Sub-Slab Soil Vapor
OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in µg/m³	**Sample ID**	**SV-01**		**SV-02**		**SV-03**		**SV-04**	
U= Not Detected ≥ indicated value	Sample Date	(2015-08-05)		(2015-08-05)		(2015-08-05)		(2015-08-05)	
Data above AGVs shown in **Bold**	Dilution Factor	1		1		1		1	
VOCs, TO-15		*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane		1.09	*U*	1.09	*U*	1.59		81.3	*U*
1,1,2,2-Tetrachloroethane		1.37	*U*	1.37	*U*	1.37	*U*	102	*U*
1,1,2-Trichloroethane		1.09	*U*	1.09	*U*	1.09	*U*	81.3	*U*
1,1-Dichloroethane		0.809	*U*	0.809	*U*	0.809	*U*	60.3	*U*
1,1-Dichloroethene		0.793	*U*	0.793	*U*	0.793	*U*	59.1	*U*
1,2,4-Trichlorobenzene		1.48	*U*	1.48	*U*	1.48	*U*	111	*U*
1,2,4-Trimethylbenzene		5.01		3.53		5.31		73.3	*U*
1,2-Dibromoethane		1.54	*U*	1.54	*U*	1.54	*U*	115	*U*
1,2-Dichlorobenzene		1.2	*U*	1.2	*U*	1.2	*U*	89.6	*U*
1,2-Dichloroethane		0.809	*U*	0.809	*U*	0.809	*U*	60.3	*U*
1,2-Dichloropropane		0.924	*U*	0.924	*U*	0.924	*U*	68.9	*U*
1,3,5-Trimethylbenzene		1.19		0.983	*U*	1.19		73.3	*U*
1,3-Butadiene		0.442	*U*	0.442	*U*	0.442	*U*	33	*U*
1,3-Dichlorobenzene		1.2	*U*	1.2	*U*	1.2	*U*	89.6	*U*
1,4-Dichlorobenzene		1.2	*U*	1.2	*U*	1.2	*U*	89.6	*U*
1,4-Dioxane		0.721	*U*	0.721	*U*	0.721	*U*	53.7	*U*
2,2,4-Trimethylpentane		0.934	*U*	0.934	*U*	0.934	*U*	103	
2-Butanone		19.1		13.8		11.4		110	*U*
2-Hexanone		3		3.39		2.48		61.1	*U*
3-Chloropropene		0.626	*U*	0.626	*U*	0.626	*U*	46.6	*U*
4-Ethyltoluene		1.76		1.53		1.73		73.3	*U*
4-Methyl-2-pentanone		2.05	*U*	2.05	*U*	2.05	*U*	153	*U*
Acetone		171		212		168		1,200	
Benzene		0.757		0.639	*U*	2.9		47.6	*U*
Benzyl chloride		1.04	*U*	1.04	*U*	1.04	*U*	77.2	*U*
Bromodichloromethane		1.34	*U*	1.34	*U*	1.34	*U*	99.8	*U*
Bromoform		2.07	*U*	2.07	*U*	2.07	*U*	154	*U*
Bromomethane		0.777	*U*	0.777	*U*	0.777	*U*	57.9	*U*
Carbon disulfide		0.623	*U*	0.673		1.54		299	
Carbon tetrachloride		1.26	*U*	1.26	*U*	1.26	*U*	93.7	*U*
Chlorobenzene		0.921	*U*	0.921	*U*	0.921	*U*	68.6	*U*
Chloroethane		0.528	*U*	0.528	*U*	0.528	*U*	39.3	*U*
Chloroform		34.8		0.977	*U*	0.977	*U*	72.8	*U*
Chloromethane		0.413	*U*	0.413	*U*	0.413	*U*	30.8	*U*
cis-1,2-Dichloroethene		0.793	*U*	0.793	*U*	0.793	*U*	59.1	*U*
cis-1,3-Dichloropropene		0.908	*U*	0.908	*U*	0.908	*U*	67.6	*U*
Cyclohexane		0.688	*U*	0.688	*U*	2.04		740	
Dibromochloromethane		1.7	*U*	1.7	*U*	1.7	*U*	127	*U*
Dichlorodifluoromethane		1.64		1.26		1.56		73.7	*U*
Ethanol		12.6		9.89		12.6		350	*U*
Ethyl Acetate		1.8	*U*	1.8	*U*	1.8	*U*	134	*U*
Ethylbenzene		2.74		2.77		2.25		64.7	*U*
Freon-113		1.53	*U*	1.53	*U*	1.53	*U*	114	*U*
Freon-114		1.4	*U*	1.4	*U*	1.4	*U*	104	*U*
Heptane		1.31		3.91		2.97		64.8	
Hexachlorobutadiene		2.13	*U*	2.13	*U*	2.13	*U*	159	*U*
Isopropanol		1.34		1.23	*U*	2.17		91.7	*U*
Methyl tert butyl ether		0.721	*U*	0.721	*U*	0.721	*U*	53.7	*U*
Methylene chloride		22.2		1.74	*U*	54.5		130	*U*
n-Hexane		1.24		4.44		4.79		14,400	
o-Xylene		3.58		3.35		3.02		64.7	*U*
p/m-Xylene		12.1		11.1		9.9		129	*U*
Styrene		0.852	*U*	0.852	*U*	0.852	*U*	63.4	*U*
Tertiary butyl Alcohol		10.9		21.6		9.85		113	*U*
Tetrachloroethene		3.87		1.36	*U*	112		101	*U*
Tetrahydrofuran		1.47	*U*	1.47	*U*	1.47	*U*	110	*U*
Toluene		6.67		7.01		6.14		56.2	*U*
trans-1,2-Dichloroethene		0.793	*U*	0.793	*U*	0.793	*U*	59.1	*U*
trans-1,3-Dichloropropene		0.908	*U*	0.908	*U*	0.908	*U*	67.6	*U*
Trichloroethene		1.07	*U*	1.07	*U*	1.07	*U*	80.1	*U*
Trichlorofluoromethane		1.15		1.21		1.49		83.7	*U*
Vinyl bromide		0.874	*U*	0.874	*U*	0.874	*U*	65.1	*U*
Vinyl chloride		0.511	*U*	0.511	*U*	0.511	*U*	38.1	*U*

Detected concentrations

Relatively Elevated concentrations

Notes: There are no established guidance values for VOCs in subsurface vapors NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank

Table 12: VOCs in Sub-Slab Soil Vapor
OER Project Number: 15EH-A543X

Ecosystems Strategies, Inc.

ESI File: HB15073

All data in µg/m³	**Sample ID**	**SV-05**	
U= Not Detected ≥ indicated value	Sample Date	(2015-08-31)	
Data above AGVs shown in **Bold**	Dilution Factor	1.25	
VOCs, TO-15		*Result*	*Qualifier*
1,1,1-Trichloroethane		1.36	*U*
1,1,2,2-Tetrachloroethane		1.72	*U*
1,1,2-Trichloroethane		1.36	*U*
1,1-Dichloroethane		1.01	*U*
1,1-Dichloroethene		0.991	*U*
1,2,4-Trichlorobenzene		1.86	*U*
1,2,4-Trimethylbenzene		4.91	
1,2-Dibromoethane		1.92	*U*
1,2-Dichlorobenzene		1.5	*U*
1,2-Dichloroethane		2	
1,2-Dichloropropane		1.16	*U*
1,3,5-Trimethylbenzene		1.36	
1,3-Butadiene		13.5	
1,3-Dichlorobenzene		8.42	
1,4-Dichlorobenzene		1.5	*U*
1,4-Dioxane		0.901	*U*
2,2,4-Trimethylpentane		53.2	
2-Butanone		40.7	
2-Hexanone		2.54	
3-Chloropropene		0.783	*U*
4-Ethyltoluene		1.23	*U*
4-Methyl-2-pentanone		2.56	*U*
Acetone		919	
Benzene		29.3	
Benzyl chloride		1.29	*U*
Bromodichloromethane		1.67	*U*
Bromoform		2.58	*U*
Bromomethane		0.971	*U*
Carbon disulfide		526	*E*
Carbon tetrachloride		1.57	*U*
Chlorobenzene		1.15	*U*
Chloroethane		0.66	*U*
Chloroform		1.22	*U*
Chloromethane		1.88	
cis-1,2-Dichloroethene		2.47	
cis-1,3-Dichloropropene		1.13	*U*
Cyclohexane		6.33	
Dibromochloromethane		2.13	*U*
Dichlorodifluoromethane		1.53	
Ethanol		66.7	
Ethyl Acetate		2.25	*U*
Ethylbenzene		3.54	
Freon-113		1.92	*U*
Freon-114		49.2	
Heptane		1.19	
Hexachlorobutadiene		2.67	*U*
Isopropanol		2.14	
Methyl tert butyl ether		0.901	*U*
Methylene chloride		2.17	*U*
n-Hexane		5.22	
o-Xylene		4.06	
p/m-Xylene		9.64	
Styrene		1.06	*U*
Tertiary butyl Alcohol		10.9	
Tetrachloroethene		2.37	
Tetrahydrofuran		1.84	*U*
Toluene		15.8	
trans-1,2-Dichloroethene		0.991	*U*
trans-1,3-Dichloropropene		1.13	*U*
Trichloroethene		1.34	*U*
Trichlorofluoromethane		1.4	*U*
Vinyl bromide		1.09	*U*
Vinyl chloride		1.2	

Detected concentrations

Relatively Elevated concentrations

Notes: There are no established guidance values for VOCs in subsurface vapors NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank

APPENDIX 4

Laboratory Data Deliverables for Analytical Data

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Adam Atkinson

Report Date: 08/13/2015
Client Project ID: HB15073
York Project (SDG) No.: 15H0190

Report Date: 08/13/2015
Client Project ID: HB15073
York Project (SDG) No.: 15H0190

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Adam Atkinson

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 August 06, 2015 and listed below. The project was identified as your project: **HB15073**.

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
15H0190-01	SB-01 (0-2)	Soil	08/05/2015	08/06/2015
15H0190-02	SB-01 (12-14)	Soil	08/05/2015	08/06/2015
15H0190-03	SB-02 (0-2)	Soil	08/05/2015	08/06/2015
15H0190-04	SB-03 (0-2)	Soil	08/05/2015	08/06/2015
15H0190-05	SB-03 (8-10)	Soil	08/05/2015	08/06/2015
15H0190-06	SB-04 (0-2)	Soil	08/05/2015	08/06/2015
15H0190-07	SB-04 (8-10)	Soil	08/05/2015	08/06/2015
15H0190-08	SB-05 (0-2)	Soil	08/05/2015	08/06/2015
15H0190-09	SB-05 (12-14)	Soil	08/05/2015	08/06/2015
15H0190-10	SB-06 (0-2)	Soil	08/05/2015	08/06/2015
15H0190-11	SB-06 (12-14)	Soil	08/05/2015	08/06/2015
15H0190-12	SB-07 (0-2)	Soil	08/05/2015	08/06/2015

General Notes for York Project (SDG) No.: 15H0190

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: 08/13/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SB-01 (0-2) **York Sample ID:** 15H0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	53	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS

Sample Information

Client Sample ID: SB-01 (0-2) **York Sample ID:** 15H0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**8.4**	SCAL-E, J	ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
107-02-8	Acrolein	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
71-43-2	Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/07/2015 23:29	BS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/07/2015 23:29	BS

Sample Information

Client Sample ID: SB-01 (0-2) **York Sample ID:** 15H0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:29	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/07/2015 23:29	BS
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:29	BS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:29	BS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:29	BS
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854	08/07/2015 23:29	BS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854	08/07/2015 23:29	BS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:29	BS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:29	BS
100-42-5	Styrene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:29	BS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/07/2015 23:29	BS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:29	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:29	BS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:29	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:29	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:29	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:29	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:29	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:29	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:29	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.4 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **SB-01 (0-2)** **York Sample ID:** **15H0190-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 14:43	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	108	216	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 14:43	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 14:43	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 14:43	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 14:43	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 14:43	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	108	216	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 14:43	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 14:43	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	108	216	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 14:43	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	108	216	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 14:43	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	108	216	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH

Sample Information

Client Sample ID: SB-01 (0-2) **York Sample ID:** 15H0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	108	216	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 14:43	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	108	216	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	108	216	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
83-32-9	Acenaphthene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
98-86-2	Acetophenone	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 14:43	KH
62-53-3	Aniline	ND		ug/kg dry	216	432	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
120-12-7	Anthracene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
1912-24-9	Atrazine	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 14:43	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 14:43	KH
92-87-5	Benzidine	ND		ug/kg dry	216	432	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854	08/12/2015 07:23	08/12/2015 14:43	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
65-85-0	Benzoic acid	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 14:43	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH

Sample Information

Client Sample ID: SB-01 (0-2) **York Sample ID:** 15H0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
105-60-2	Caprolactam	ND		ug/kg dry	108	216	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 14:43	KH
86-74-8	Carbazole	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
218-01-9	Chrysene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 14:43	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
206-44-0	**Fluoranthene**	**57.8**	J	ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
86-73-7	Fluorene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
78-59-1	Isophorone	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
91-20-3	Naphthalene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 14:43	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 14:43	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:43	KH

Sample Information

Client Sample ID: SB-01 (0-2) **York Sample ID:** 15H0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 14:43	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
85-01-8	Phenanthrene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
108-95-2	Phenol	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH
129-00-0	Pyrene	ND		ug/kg dry	54.1	108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 14:43	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*42.8 %*	*10-95*
4165-62-2	*Surrogate: Phenol-d5*	*41.1 %*	*10-107*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*41.7 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*43.8 %*	*10-97*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*54.3 %*	*10-103*
1718-51-0	*Surrogate: Terphenyl-d14*	*57.6 %*	*19-99*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:18	08/13/2015 10:55	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:18	08/13/2015 10:55	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:18	08/13/2015 10:55	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:18	08/13/2015 10:55	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:18	08/13/2015 10:55	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/12/2015 14:18	08/13/2015 10:55	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:18	08/13/2015 10:55	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	85.4	85.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:18	08/13/2015 10:55	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:18	08/13/2015 10:55	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:18	08/13/2015 10:55	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 14:18	08/13/2015 10:55	AMC

Sample Information

Client Sample ID: SB-01 (0-2) **York Sample ID:** 15H0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 10:55	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 10:55	AMC
72-20-8	Endrin	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 10:55	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 10:55	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP	08/13/2015 10:55	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 10:55	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications:	08/12/2015 14:18 NELAC-NY10854,NJDEP	08/13/2015 10:55	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 10:55	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.14	2.14	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 10:55	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	10.7	10.7	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 10:55	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	108	108	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP	08/13/2015 10:55	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.9 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.0 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0216	0.0216	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 13:40	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0216	0.0216	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 13:40	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0216	0.0216	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 13:40	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0216	0.0216	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 13:40	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0216	0.0216	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 13:40	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0216	0.0216	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 13:40	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0216	0.0216	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 13:40	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0216	0.0216	1	EPA 8082A Certifications:	08/12/2015 14:18	08/13/2015 13:40	AMC

Sample Information

Client Sample ID: SB-01 (0-2) **York Sample ID:** 15H0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.6 %*		*30-140*							
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.9 %*		*30-140*							

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**12900**	B	mg/kg dry	6.47	6.47	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-36-0	Antimony	ND		mg/kg dry	0.647	0.647	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**4.31**		mg/kg dry	1.29	1.29	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**228**		mg/kg dry	1.29	1.29	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.129	0.129	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.388	0.388	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**1710**	B	mg/kg dry	0.647	6.47	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-47-3	**Chromium**	**31.0**		mg/kg dry	0.647	0.647	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**11.2**		mg/kg dry	0.647	0.647	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-50-8	**Copper**	**37.9**		mg/kg dry	0.647	0.647	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7439-89-6	**Iron**	**21100**		mg/kg dry	2.59	2.59	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7439-92-1	**Lead**	**88.0**		mg/kg dry	0.388	0.388	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**3710**		mg/kg dry	6.47	6.47	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7439-96-5	**Manganese**	**438**		mg/kg dry	0.647	0.647	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-02-0	**Nickel**	**23.3**		mg/kg dry	0.647	0.647	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1920**		mg/kg dry	6.47	6.47	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7782-49-2	Selenium	ND		mg/kg dry	1.29	1.29	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.647	0.647	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-01 (0-2) **York Sample ID:** 15H0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**359**		mg/kg dry	12.9	12.9	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.29	1.29	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-62-2	**Vanadium**	**36.2**		mg/kg dry	1.29	1.29	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-66-6	**Zinc**	**93.9**		mg/kg dry	1.29	1.29	1	EPA 6010C	08/10/2015 12:06	08/10/2015 15:54	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0794**		mg/kg dry	0.0388	0.0388	1	EPA 7473	08/07/2015 12:57	08/07/2015 15:50	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.3**		%	0.100	0.100	1	SM 2540G	08/07/2015 10:24	08/07/2015 16:33	CLS
								Certifications: CTDOH			

Sample Information

Client Sample ID: SB-01 (12-14) **York Sample ID:** 15H0190-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	08/07/2015 17:05	08/07/2015 23:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	08/07/2015 17:05	08/07/2015 23:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	08/07/2015 17:05	08/07/2015 23:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-01 (12-14) **York Sample ID:** 15H0190-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP	BS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 NELAC-NY10854,NJDEP	BS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 NELAC-NY10854,NJDEP	BS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 NELAC-NY10854,NJDEP	BS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP	BS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	45	90	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 NELAC-NY10854,NJDEP	BS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP	BS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP	BS
67-64-1	Acetone	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP	BS
107-02-8	Acrolein	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP	BS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP	BS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/07/2015 23:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS

Sample Information

Client Sample ID: SB-01 (12-14) **York Sample ID:** 15H0190-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:59	BS

Sample Information

Client Sample ID: SB-01 (12-14) **York Sample ID:** 15H0190-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854	08/07/2015 23:59	BS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854	08/07/2015 23:59	BS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/07/2015 23:59	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.8	14	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 23:59	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*115 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.9 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 16:53	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	99.7	199	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 16:53	KH

Sample Information

Client Sample ID: SB-01 (12-14) **York Sample ID:** 15H0190-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 NELAC-NY10854	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 NELAC-NY10854,NJDEP	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 NELAC-NY10854	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 NELAC-NY10854	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	99.7	199	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 NELAC-NY10854,NJDEP	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	99.7	199	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	99.7	199	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 NELAC-NY10854,NJDEP,PADEP	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	99.7	199	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	99.7	199	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-01 (12-14) **York Sample ID:** 15H0190-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	99.7	199	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	99.7	199	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
83-32-9	Acenaphthene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
98-86-2	Acetophenone	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 16:53	KH
62-53-3	Aniline	ND		ug/kg dry	200	399	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
120-12-7	Anthracene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
1912-24-9	Atrazine	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 16:53	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 16:53	KH
92-87-5	Benzidine	ND		ug/kg dry	200	399	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854	08/12/2015 16:53	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
65-85-0	Benzoic acid	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 16:53	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
85-68-7	**Benzyl butyl phthalate**	**86.1**	J	ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH

Sample Information

Client Sample ID: SB-01 (12-14) **York Sample ID:** 15H0190-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	**Bis(2-ethylhexyl)phthalate**	**86.1**	J	ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND		ug/kg dry	99.7	199	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 NELAC-NY10854,NJDEP	KH
86-74-8	Carbazole	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	Chrysene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
206-44-0	**Fluoranthene**	**51.8**	J	ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:53 CTDOH,NELAC-NY10854,NJDEP	KH

Sample Information

Client Sample ID: SB-01 (12-14) **York Sample ID:** 15H0190-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
85-01-8	Phenanthrene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
108-95-2	Phenol	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH
129-00-0	Pyrene	ND		ug/kg dry	50.0	99.7	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:53	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*44.4 %*	*10-95*
4165-62-2	*Surrogate: Phenol-d5*	*43.9 %*	*10-107*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*42.0 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*41.4 %*	*10-97*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*52.1 %*	*10-103*
1718-51-0	*Surrogate: Terphenyl-d14*	*56.2 %*	*19-99*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 NELAC-NY10854,NJDEP	08/13/2015 11:10	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	78.9	78.9	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC

Sample Information

Client Sample ID: SB-01 (12-14) **York Sample ID:** 15H0190-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
72-20-8	Endrin	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP	08/13/2015 11:10	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 NELAC-NY10854,NJDEP	08/13/2015 11:10	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.97	1.97	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.86	9.86	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:10	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	99.8	99.8	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP	08/13/2015 11:10	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*83.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*86.3 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:10	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:10	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:10	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:10	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:10	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:10	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:10	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications:	08/12/2015 14:18	08/13/2015 14:10	AMC

	Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: SB-01 (12-14) **York Sample ID:** 15H0190-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*74.1 %*			*30-140*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*71.5 %*			*30-140*						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**16500**	B	mg/kg dry	5.98	5.98	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-36-0	Antimony	ND		mg/kg dry	0.598	0.598	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**2.51**		mg/kg dry	1.20	1.20	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**93.8**		mg/kg dry	1.20	1.20	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.120	0.120	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.359	0.359	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**1920**	B	mg/kg dry	0.598	5.98	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-47-3	**Chromium**	**31.5**		mg/kg dry	0.598	0.598	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**10.1**		mg/kg dry	0.598	0.598	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-50-8	**Copper**	**16.5**		mg/kg dry	0.598	0.598	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7439-89-6	**Iron**	**21300**		mg/kg dry	2.39	2.39	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7439-92-1	**Lead**	**33.4**		mg/kg dry	0.359	0.359	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**3540**		mg/kg dry	5.98	5.98	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7439-96-5	**Manganese**	**276**		mg/kg dry	0.598	0.598	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-02-0	**Nickel**	**17.7**		mg/kg dry	0.598	0.598	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1420**		mg/kg dry	5.98	5.98	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7782-49-2	**Selenium**	**2.10**		mg/kg dry	1.20	1.20	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.598	0.598	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-01 (12-14) **York Sample ID:** 15H0190-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**211**		mg/kg dry	12.0	12.0	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.20	1.20	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-62-2	**Vanadium**	**37.7**		mg/kg dry	1.20	1.20	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-66-6	**Zinc**	**56.7**		mg/kg dry	1.20	1.20	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:11	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0473**		mg/kg dry	0.0359	0.0359	1	EPA 7473	08/07/2015 12:57	08/07/2015 15:59	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.7**		%	0.100	0.100	1	SM 2540G	08/07/2015 10:24	08/07/2015 16:33	CLS
								Certifications: CTDOH			

Sample Information

Client Sample ID: SB-02 (0-2) **York Sample ID:** 15H0190-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:29	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:29	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:29	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-02 (0-2) **York Sample ID:** 15H0190-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:29	BS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:29	BS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:29	BS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:29	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:29	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:29	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:29	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	45	90	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
67-64-1	Acetone	ND	SCAL-E	ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
107-02-8	Acrolein	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:29	BS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:29	BS

Sample Information

Client Sample ID: SB-02 (0-2) **York Sample ID:** 15H0190-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 00:29	BS

Sample Information

Client Sample ID: SB-02 (0-2) **York Sample ID:** 15H0190-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854	08/08/2015 00:29	BS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854	08/08/2015 00:29	BS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 00:29	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.8	14	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 00:29	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.6 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 15:16	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 15:16	KH

Sample Information

Client Sample ID: SB-02 (0-2) **York Sample ID:** 15H0190-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 NELAC-NY10854	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 NELAC-NY10854,NJDEP	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 NELAC-NY10854	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 NELAC-NY10854	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 NELAC-NY10854,NJDEP	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 NELAC-NY10854,NJDEP,PADEP	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-02 (0-2) **York Sample ID:** 15H0190-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
83-32-9	Acenaphthene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 15:16	KH
62-53-3	Aniline	ND		ug/kg dry	182	365	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
120-12-7	Anthracene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 15:16	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 15:16	KH
92-87-5	Benzidine	ND		ug/kg dry	182	365	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854	08/12/2015 15:16	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 15:16	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH

Sample Information

Client Sample ID: SB-02 (0-2) **York Sample ID:** 15H0190-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 NELAC-NY10854,NJDEP	KH
86-74-8	Carbazole	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	Chrysene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-02 (0-2) **York Sample ID:** 15H0190-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
108-95-2	Phenol	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH
129-00-0	Pyrene	ND		ug/kg dry	45.7	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:16	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*30.1 %*	*10-95*
4165-62-2	*Surrogate: Phenol-d5*	*27.7 %*	*10-107*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*29.4 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*27.7 %*	*10-97*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*33.2 %*	*10-103*
1718-51-0	*Surrogate: Terphenyl-d14*	*35.2 %*	*19-99*

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 NELAC-NY10854,NJDEP	08/13/2015 11:25	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	72.1	72.1	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC

Sample Information

Client Sample ID: SB-02 (0-2) **York Sample ID:** 15H0190-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP	08/13/2015 11:25	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 NELAC-NY10854,NJDEP	08/13/2015 11:25	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.01	9.01	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2015 11:25	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	91.2	91.2	5	EPA 8081B Certifications:	08/12/2015 14:18 CTDOH,NELAC-NY10854,NJDEP	08/13/2015 11:25	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*80.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*89.0 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:39	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:39	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:39	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:39	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:39	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:39	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications:	08/12/2015 14:18 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/13/2015 14:39	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications:	08/12/2015 14:18	08/13/2015 14:39	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*74.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*71.0 %*	*30-140*

Sample Information

Client Sample ID: **SB-02 (0-2)** **York Sample ID:** **15H0190-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**17000**	B	mg/kg dry	5.46	5.46	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-36-0	Antimony	ND		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**1.34**		mg/kg dry	1.09	1.09	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**86.5**		mg/kg dry	1.09	1.09	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.328	0.328	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**1340**	B	mg/kg dry	0.546	5.46	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-47-3	**Chromium**	**30.4**		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**14.0**		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-50-8	**Copper**	**22.4**		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7439-89-6	**Iron**	**22900**		mg/kg dry	2.19	2.19	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7439-92-1	**Lead**	**23.2**		mg/kg dry	0.328	0.328	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**3450**		mg/kg dry	5.46	5.46	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7439-96-5	**Manganese**	**468**		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-02-0	**Nickel**	**21.7**		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**2010**		mg/kg dry	5.46	5.46	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7782-49-2	**Selenium**	**2.17**		mg/kg dry	1.09	1.09	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**112**		mg/kg dry	10.9	10.9	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-62-2	**Vanadium**	**37.0**		mg/kg dry	1.09	1.09	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-66-6	**Zinc**	**46.9**		mg/kg dry	1.09	1.09	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:16	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: SB-02 (0-2) **York Sample ID:** 15H0190-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0328	0.0328	1	EPA 7473	08/07/2015 12:57	08/07/2015 16:08	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.5**		%	0.100	0.100	1	SM 2540G	08/07/2015 10:24	08/07/2015 16:33	CLS
								Certifications: CTDOH			

Sample Information

Client Sample ID: SB-03 (0-2) **York Sample ID:** 15H0190-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:59	BS
								Certifications: NELAC-NY10854,NJDEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:59	BS
								Certifications: NELAC-NY10854,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 00:59	BS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: SB-03 (0-2) **York Sample ID:** 15H0190-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	54	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
78-93-3	**2-Butanone**	**18**		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
67-64-1	**Acetone**	**77**	SCAL-E	ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
107-02-8	Acrolein	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS

Sample Information

Client Sample ID: SB-03 (0-2) **York Sample ID:** 15H0190-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS NELAC-NY10854,NJDEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS NELAC-NY10854,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS NELAC-NY10854,NJDEP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS NELAC-NY10854,NJDEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS NELAC-NY10854,NJDEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS NELAC-NY10854,NJDEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS NELAC-NY10854,NJDEP
75-09-2	Methylene chloride	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP
100-42-5	Styrene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 00:59	BS CTDOH,NELAC-NY10854,NJDEP

Sample Information

Client Sample ID: SB-03 (0-2) **York Sample ID:** 15H0190-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 00:59	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.0	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 00:59	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*109 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.7 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 17:25	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	107	213	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 17:25	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 17:25	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications: NELAC-NY10854	08/12/2015 07:23	08/12/2015 17:25	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 17:25	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications: NELAC-NY10854	08/12/2015 07:23	08/12/2015 17:25	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications: NELAC-NY10854	08/12/2015 07:23	08/12/2015 17:25	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	107	213	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 17:25	KH

Sample Information

Client Sample ID: SB-03 (0-2) **York Sample ID:** 15H0190-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	107	213	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	107	213	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 NELAC-NY10854,NJDEP,PADEP	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	107	213	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	107	213	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	107	213	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	107	213	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	Acenaphthene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:25 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-03 (0-2) **York Sample ID:** 15H0190-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
98-86-2	Acetophenone	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:25	KH
62-53-3	Aniline	ND		ug/kg dry	214	427	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
120-12-7	Anthracene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
1912-24-9	Atrazine	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:25	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:25	KH
92-87-5	Benzidine	ND		ug/kg dry	214	427	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854	08/12/2015 17:25	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
65-85-0	Benzoic acid	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:25	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
105-60-2	Caprolactam	ND		ug/kg dry	107	213	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:25	KH
86-74-8	Carbazole	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
218-01-9	Chrysene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 17:25	KH

Sample Information

Client Sample ID: SB-03 (0-2) **York Sample ID:** 15H0190-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
206-44-0	Fluoranthene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
86-73-7	Fluorene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
78-59-1	Isophorone	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
91-20-3	Naphthalene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 17:25	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 17:25	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 17:25	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
85-01-8	Phenanthrene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
108-95-2	Phenol	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH
129-00-0	Pyrene	ND		ug/kg dry	53.5	107	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:25	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*24.7 %*	*10-95*
4165-62-2	*Surrogate: Phenol-d5*	*23.4 %*	*10-107*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*22.1 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*23.5 %*	*10-97*

Sample Information

Client Sample ID: SB-03 (0-2) **York Sample ID:** 15H0190-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*26.3 %*			*10-103*						
1718-51-0	*Surrogate: Terphenyl-d14*	*28.5 %*			*19-99*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	**4,4'-DDD**	**11.7**		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	**alpha-Chlordane**	**7.39**		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
57-74-9	Chlordane, total	ND		ug/kg dry	127	127	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	**gamma-Chlordane**	**7.80**		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		ug/kg dry	3.17	3.17	5	EPA 8081B	08/10/2015 14:32	08/11/2015 17:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-03 (0-2) **York Sample ID:** 15H0190-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	3.17	3.17	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:53	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	15.8	15.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:53	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	160	160	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 17:53	AMC

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*24.3 %*	GC-Surr	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.8 %*		*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0320	0.0320	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:27	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0320	0.0320	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:27	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0320	0.0320	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:27	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0320	0.0320	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:27	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0320	0.0320	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:27	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0320	0.0320	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:27	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0320	0.0320	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:27	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0320	0.0320	1	EPA 8082A Certifications:	08/10/2015 14:32	08/11/2015 17:27	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*37.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*64.7 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**13100**	B	mg/kg dry	6.40	6.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:20	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.640	0.640	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 16:20	ALD

Sample Information

Client Sample ID: SB-03 (0-2) **York Sample ID:** 15H0190-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**2.27**		mg/kg dry	1.28	1.28	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**112**		mg/kg dry	1.28	1.28	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.128	0.128	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.384	0.384	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**11500**	B	mg/kg dry	0.640	6.40	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-47-3	**Chromium**	**38.5**		mg/kg dry	0.640	0.640	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**12.5**		mg/kg dry	0.640	0.640	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-50-8	**Copper**	**21.8**		mg/kg dry	0.640	0.640	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-89-6	**Iron**	**21200**		mg/kg dry	2.56	2.56	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-92-1	**Lead**	**31.9**		mg/kg dry	0.384	0.384	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3640**		mg/kg dry	6.40	6.40	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-96-5	**Manganese**	**249**		mg/kg dry	0.640	0.640	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-02-0	**Nickel**	**27.8**		mg/kg dry	0.640	0.640	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**2260**		mg/kg dry	6.40	6.40	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7782-49-2	**Selenium**	**1.44**		mg/kg dry	1.28	1.28	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.640	0.640	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**180**		mg/kg dry	12.8	12.8	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.28	1.28	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-62-2	**Vanadium**	**45.7**		mg/kg dry	1.28	1.28	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-66-6	**Zinc**	**88.5**		mg/kg dry	1.28	1.28	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:20	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: SB-03 (0-2) **York Sample ID:** 15H0190-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0782**		mg/kg dry	0.0384	0.0384	1	EPA 7473	08/07/2015 12:57	08/07/2015 16:17	ALD
								Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**78.1**		%	0.100	0.100	1	SM 2540G	08/07/2015 10:24	08/07/2015 16:33	CLS
								Certifications:	CTDOH		

Sample Information

Client Sample ID: SB-03 (8-10) **York Sample ID:** 15H0190-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:29	BS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:29	BS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:29	BS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:29	BS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:29	BS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:29	BS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:29	BS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:29	BS
								Certifications:	NELAC-NY10854,NJDEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:29	BS
								Certifications:	NELAC-NY10854,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:29	BS
								Certifications:	NELAC-NY10854,NJDEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:29	BS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Sample Information

Client Sample ID: SB-03 (8-10) **York Sample ID:** 15H0190-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:29	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:29	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:29	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:29	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	52	100	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
78-93-3	**2-Butanone**	**9.0**		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
67-64-1	**Acetone**	**64**	SCAL-E	ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
107-02-8	Acrolein	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:29	BS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:29	BS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:29	BS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:29	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:29	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:29	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:29	BS

Sample Information

Client Sample ID: SB-03 (8-10) **York Sample ID:** 15H0190-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 NELAC-NY10854,NJDEP	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 NELAC-NY10854,NJDEP,PADEP	BS
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 NELAC-NY10854,NJDEP	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 NELAC-NY10854,NJDEP	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 NELAC-NY10854,NJDEP	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP	BS
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 NELAC-NY10854,NJDEP	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 NELAC-NY10854,NJDEP	BS
75-09-2	Methylene chloride	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP	BS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP	BS
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854	BS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854	BS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP	BS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP	BS
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 CTDOH,NELAC-NY10854,NJDEP	BS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:29 NELAC-NY10854,NJDEP	BS

Sample Information

Client Sample ID: SB-03 (8-10) **York Sample ID:** 15H0190-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 01:29	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 01:29	BS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 01:29	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 01:29	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 01:29	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 01:29	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 01:29	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 01:29	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.8	16	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 01:29	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*89.2 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:57	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:57	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 17:57	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:57	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 17:57	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 17:57	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:57	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 17:57	KH

Sample Information

Client Sample ID: SB-03 (8-10) **York Sample ID:** 15H0190-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 NELAC-NY10854,NJDEP,PADEP	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	Acenaphthene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-03 (8-10) **York Sample ID:** 15H0190-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-86-2	Acetophenone	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:57	KH
62-53-3	Aniline	ND		ug/kg dry	182	365	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
120-12-7	Anthracene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:57	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:57	KH
92-87-5	Benzidine	ND		ug/kg dry	182	365	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854	08/12/2015 17:57	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:57	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
105-60-2	Caprolactam	ND		ug/kg dry	91.1	182	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 17:57	KH
86-74-8	Carbazole	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
218-01-9	Chrysene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 17:57	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 17:57	KH

Sample Information

Client Sample ID: SB-03 (8-10) **York Sample ID:** 15H0190-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
85-01-8	Phenanthrene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
108-95-2	Phenol	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
129-00-0	Pyrene	ND		ug/kg dry	45.6	91.1	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 17:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*23.6 %*	*10-95*
4165-62-2	*Surrogate: Phenol-d5*	*19.8 %*	*10-107*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*20.7 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*21.6 %*	*10-97*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*26.6 %*	*10-103*

Sample Information

Client Sample ID: SB-03 (8-10) **York Sample ID:** 15H0190-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	*Surrogate: Terphenyl-d14*	*30.4 %*			*19-99*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 18:08	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	108	108	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
72-20-8	Endrin	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 18:08	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 18:08	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.70	2.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC

Sample Information

Client Sample ID: SB-03 (8-10) **York Sample ID:** 15H0190-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-43-5	Methoxychlor	ND		ug/kg dry	13.5	13.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:08	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	137	137	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 18:08	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*81.1 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.9 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0273	0.0273	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:47	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0273	0.0273	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:47	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0273	0.0273	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:47	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0273	0.0273	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:47	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0273	0.0273	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:47	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0273	0.0273	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:47	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0273	0.0273	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 17:47	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0273	0.0273	1	EPA 8082A Certifications:	08/10/2015 14:32	08/11/2015 17:47	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.1 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*58.5 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**14000**	B	mg/kg dry	5.46	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:25	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.546	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 16:25	ALD
7440-38-2	**Arsenic**	**2.06**		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 16:25	ALD

Sample Information

Client Sample ID: **SB-03 (8-10)** **York Sample ID:** **15H0190-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	**Barium**	**90.1**		mg/kg dry	1.09	1.09	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.328	0.328	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**3690**	B	mg/kg dry	0.546	5.46	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-47-3	**Chromium**	**35.6**		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**10.5**		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-50-8	**Copper**	**19.6**		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-89-6	**Iron**	**20400**		mg/kg dry	2.18	2.18	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-92-1	**Lead**	**7.56**		mg/kg dry	0.328	0.328	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**4250**		mg/kg dry	5.46	5.46	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-96-5	**Manganese**	**232**		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-02-0	**Nickel**	**20.6**		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1670**		mg/kg dry	5.46	5.46	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7782-49-2	**Selenium**	**1.35**		mg/kg dry	1.09	1.09	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.546	0.546	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**437**		mg/kg dry	10.9	10.9	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-62-2	**Vanadium**	**44.7**		mg/kg dry	1.09	1.09	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-66-6	**Zinc**	**40.4**		mg/kg dry	1.09	1.09	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:25	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: SB-03 (8-10) **York Sample ID:** 15H0190-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0328	0.0328	1	EPA 7473	08/07/2015 12:57	08/07/2015 16:26	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.6**		%	0.100	0.100	1	SM 2540G	08/07/2015 10:24	08/07/2015 16:33	CLS
								Certifications: CTDOH			

Sample Information

Client Sample ID: SB-04 (0-2) **York Sample ID:** 15H0190-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:59	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:59	BS
								Certifications: NELAC-NY10854,NJDEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:59	BS
								Certifications: NELAC-NY10854,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/07/2015 17:05	08/08/2015 01:59	BS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: SB-04 (0-2) **York Sample ID:** 15H0190-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	88	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
78-93-3	**2-Butanone**	**6.8**		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
67-64-1	**Acetone**	**37**	SCAL-E	ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
107-02-8	Acrolein	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS

Sample Information

Client Sample ID: SB-04 (0-2) **York Sample ID:** 15H0190-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 NELAC-NY10854,NJDEP	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 NELAC-NY10854,NJDEP,PADEP	BS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 NELAC-NY10854,NJDEP	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 NELAC-NY10854,NJDEP	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 NELAC-NY10854,NJDEP	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP	BS
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 NELAC-NY10854,NJDEP	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 NELAC-NY10854,NJDEP	BS
75-09-2	Methylene chloride	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP	BS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP	BS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854	BS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854	BS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP	BS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP	BS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 01:59 CTDOH,NELAC-NY10854,NJDEP	BS

Sample Information

Client Sample ID: SB-04 (0-2) **York Sample ID:** 15H0190-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 01:59	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 01:59	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.5 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 16:55	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 16:55	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:55	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854	08/12/2015 07:23	08/12/2015 16:55	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 16:55	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854	08/12/2015 07:23	08/12/2015 16:55	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854	08/12/2015 07:23	08/12/2015 16:55	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 16:55	KH

Sample Information

Client Sample ID: SB-04 (0-2) **York Sample ID:** 15H0190-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 NELAC-NY10854,NJDEP,PADEP	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	Acenaphthene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-04 (0-2) **York Sample ID:** 15H0190-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
98-86-2	Acetophenone	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 NELAC-NY10854,NJDEP	KH
62-53-3	Aniline	ND		ug/kg dry	177	355	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 NELAC-NY10854,NJDEP,PADEP	KH
120-12-7	Anthracene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
1912-24-9	Atrazine	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 NELAC-NY10854,NJDEP	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 NELAC-NY10854,NJDEP	KH
92-87-5	Benzidine	ND		ug/kg dry	177	355	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854	KH
56-55-3	**Benzo(a)anthracene**	**54.5**	J	ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
50-32-8	**Benzo(a)pyrene**	**65.9**	J	ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
191-24-2	**Benzo(g,h,i)perylene**	**82.1**	J	ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
65-85-0	Benzoic acid	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 NELAC-NY10854,NJDEP	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 NELAC-NY10854,NJDEP,PADEP	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 NELAC-NY10854,NJDEP	KH
86-74-8	Carbazole	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	**Chrysene**	**70.1**	J	ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-04 (0-2) **York Sample ID:** 15H0190-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
206-44-0	**Fluoranthene**	**107**		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
86-73-7	Fluorene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH NELAC-NY10854,NJDEP,PADEP
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
67-72-1	Hexachloroethane	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
193-39-5	**Indeno(1,2,3-cd)pyrene**	**68.0**	J	ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
78-59-1	Isophorone	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
91-20-3	Naphthalene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP
98-95-3	Nitrobenzene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP
87-86-5	Pentachlorophenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
85-01-8	**Phenanthrene**	**52.4**	J	ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
108-95-2	Phenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
129-00-0	**Pyrene**	**92.8**		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:55	KH CTDOH,NELAC-NY10854,NJDEP,PADEP

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*15.1 %*	*10-95*

Sample Information

Client Sample ID: SB-04 (0-2) **York Sample ID:** 15H0190-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-62-2	*Surrogate: Phenol-d5*	*15.8 %*			*10-107*						
4165-60-0	*Surrogate: Nitrobenzene-d5*	*14.9 %*			*10-95*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*15.8 %*			*10-97*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*14.0 %*			*10-103*						
1718-51-0	*Surrogate: Terphenyl-d14*	*16.7 %*			*19-99*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 18:23	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	105	105	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
72-20-8	Endrin	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 18:23	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:23	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 18:23	AMC

Sample Information

Client Sample ID: SB-04 (0-2) **York Sample ID:** 15H0190-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-44-8	Heptachlor	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 18:23	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 18:23	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	13.1	13.1	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 18:23	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	133	133	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP	08/11/2015 18:23	AMC

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*12.5 %*	GC-Surr	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*47.1 %*		*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:06	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:06	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:06	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:06	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:06	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:06	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:06	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32	08/11/2015 18:06	AMC

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*18.4 %*	GC-Surr	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*42.0 %*		*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10500**	B	mg/kg dry	5.31	5.31	1	EPA 6010C Certifications:	08/10/2015 12:06 CTDOH,NELAC-NY10854,NJDEP	08/10/2015 16:30	ALD

Sample Information

Client Sample ID: SB-04 (0-2) **York Sample ID:** 15H0190-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/kg dry	0.531	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-38-2	**Arsenic**	**1.86**		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-39-3	**Barium**	**64.5**		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-43-9	Cadmium	ND		mg/kg dry	0.319	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-70-2	**Calcium**	**3810**	B	mg/kg dry	0.531	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-47-3	**Chromium**	**28.8**		mg/kg dry	0.531	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-48-4	**Cobalt**	**8.01**		mg/kg dry	0.531	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-50-8	**Copper**	**21.9**		mg/kg dry	0.531	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7439-89-6	**Iron**	**14900**		mg/kg dry	2.12	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7439-92-1	**Lead**	**23.5**		mg/kg dry	0.319	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7439-95-4	**Magnesium**	**3170**		mg/kg dry	5.31	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7439-96-5	**Manganese**	**307**		mg/kg dry	0.531	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-02-0	**Nickel**	**19.0**		mg/kg dry	0.531	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-09-7	**Potassium**	**1080**		mg/kg dry	5.31	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7782-49-2	Selenium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-22-4	Silver	ND		mg/kg dry	0.531	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-23-5	**Sodium**	**136**		mg/kg dry	10.6	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-62-2	**Vanadium**	**29.6**		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:30	ALD
7440-66-6	**Zinc**	**40.3**		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 16:30	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: SB-04 (0-2) **York Sample ID:** 15H0190-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0319	0.0319	1	EPA 7473	08/07/2015 12:57	08/07/2015 16:35	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**94.2**		%	0.100	0.100	1	SM 2540G	08/07/2015 10:24	08/07/2015 16:33	CLS
								Certifications: CTDOH			

Sample Information

Client Sample ID: SB-04 (8-10) **York Sample ID:** 15H0190-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 02:29	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 02:29	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 02:29	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 02:29	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 02:29	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 02:29	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 02:29	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 02:29	BS
								Certifications: NELAC-NY10854,NJDEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 02:29	BS
								Certifications: NELAC-NY10854,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 02:29	BS
								Certifications: NELAC-NY10854,NJDEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	08/07/2015 17:05	08/08/2015 02:29	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: SB-04 (8-10) **York Sample ID:** 15H0190-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 02:29	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 02:29	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 02:29	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 02:29	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	45	90	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
67-64-1	**Acetone**	**15**	SCAL-E	ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
107-02-8	Acrolein	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 02:29	BS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 02:29	BS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 02:29	BS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 02:29	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 02:29	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 02:29	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 02:29	BS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 02:29	BS

Sample Information

Client Sample ID: SB-04 (8-10) **York Sample ID:** 15H0190-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 NELAC-NY10854,NJDEP	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 NELAC-NY10854,NJDEP,PADEP	BS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 NELAC-NY10854,NJDEP	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 NELAC-NY10854,NJDEP	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 NELAC-NY10854,NJDEP	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP	BS
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 NELAC-NY10854,NJDEP	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 NELAC-NY10854,NJDEP	BS
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP	BS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP	BS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854	BS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854	BS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP	BS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP	BS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP	BS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 NELAC-NY10854,NJDEP	BS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 02:29 CTDOH,NELAC-NY10854,NJDEP	BS

Sample Information

Client Sample ID: SB-04 (8-10) **York Sample ID:** 15H0190-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 02:29	BS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 02:29	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 02:29	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 02:29	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 02:29	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 02:29	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 02:29	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.7	13	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 02:29	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*89.2 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 15:48	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	88.4	177	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 15:48	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:48	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 15:48	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 15:48	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 15:48	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 15:48	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	88.4	177	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 15:48	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 15:48	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 15:48	KH

Sample Information

Client Sample ID: SB-04 (8-10) **York Sample ID:** 15H0190-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	88.4	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	88.4	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 NELAC-NY10854,NJDEP,PADEP	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	88.4	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	88.4	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	88.4	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	88.4	177	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	Acenaphthene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
98-86-2	Acetophenone	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 NELAC-NY10854,NJDEP	KH

Sample Information

Client Sample ID: SB-04 (8-10) **York Sample ID:** 15H0190-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/kg dry	177	354	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
120-12-7	Anthracene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
1912-24-9	Atrazine	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 15:48	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 15:48	KH
92-87-5	Benzidine	ND		ug/kg dry	177	354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854	08/12/2015 07:23	08/12/2015 15:48	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
65-85-0	Benzoic acid	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 15:48	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
85-68-7	**Benzyl butyl phthalate**	**56.6**	J	ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**56.6**	J	ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
105-60-2	Caprolactam	ND		ug/kg dry	88.4	177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 15:48	KH
86-74-8	Carbazole	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
218-01-9	Chrysene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 15:48	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 15:48	KH

Sample Information

Client Sample ID: SB-04 (8-10) **York Sample ID:** 15H0190-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
206-44-0	Fluoranthene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
85-01-8	Phenanthrene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
108-95-2	Phenol	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
129-00-0	Pyrene	ND		ug/kg dry	44.3	88.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 15:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*18.1 %*	*10-95*
4165-62-2	*Surrogate: Phenol-d5*	*17.2 %*	*10-107*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*18.1 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*18.4 %*	*10-97*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*22.8 %*	*10-103*

Sample Information

Client Sample ID: SB-04 (8-10) **York Sample ID:** 15H0190-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	*Surrogate: Terphenyl-d14*	*25.7 %*			*19-99*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 18:38	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	105	105	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
72-20-8	Endrin	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 18:38	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 18:38	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.62	2.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 18:38	AMC

Sample Information

Client Sample ID: SB-04 (8-10) **York Sample ID:** 15H0190-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-43-5	Methoxychlor	ND		ug/kg dry	13.1	13.1	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 18:38	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	133	133	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP	08/11/2015 18:38	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*69.7 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*86.0 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:25	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:25	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:25	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:25	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:25	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:25	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:25	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0265	0.0265	1	EPA 8082A Certifications:	08/10/2015 14:32	08/11/2015 18:25	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*65.2 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**23200**	B	mg/kg dry	5.30	5.30	1	EPA 6010C Certifications:	08/10/2015 12:06 CTDOH,NELAC-NY10854,NJDEP	08/10/2015 16:47	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications:	08/10/2015 12:06 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 16:47	ALD
7440-38-2	Arsenic	ND		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications:	08/10/2015 12:06 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 16:47	ALD

Sample Information

Client Sample ID: **SB-04 (8-10)** **York Sample ID:** **15H0190-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	**Barium**	**160**		mg/kg dry	1.06	1.06	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-43-9	**Cadmium**	**0.437**		mg/kg dry	0.318	0.318	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1580**	B	mg/kg dry	0.530	5.30	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-47-3	**Chromium**	**43.1**		mg/kg dry	0.530	0.530	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**26.4**		mg/kg dry	0.530	0.530	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-50-8	**Copper**	**52.4**		mg/kg dry	0.530	0.530	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-89-6	**Iron**	**44000**		mg/kg dry	2.12	2.12	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-92-1	**Lead**	**10.4**		mg/kg dry	0.318	0.318	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**6920**		mg/kg dry	5.30	5.30	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-96-5	**Manganese**	**637**		mg/kg dry	0.530	0.530	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-02-0	**Nickel**	**35.6**		mg/kg dry	0.530	0.530	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**6560**		mg/kg dry	5.30	5.30	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7782-49-2	**Selenium**	**4.04**		mg/kg dry	1.06	1.06	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.530	0.530	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**323**		mg/kg dry	10.6	10.6	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-62-2	**Vanadium**	**58.7**		mg/kg dry	1.06	1.06	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-66-6	**Zinc**	**123**		mg/kg dry	1.06	1.06	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:47	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: SB-04 (8-10) **York Sample ID:** 15H0190-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0318	0.0318	1	EPA 7473	08/07/2015 12:57	08/07/2015 16:44	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**94.3**		%	0.100	0.100	1	SM 2540G	08/07/2015 10:26	08/07/2015 16:40	CLS
								Certifications: CTDOH			

Sample Information

Client Sample ID: SB-05 (0-2) **York Sample ID:** 15H0190-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:00	BS
								Certifications: NELAC-NY10854,NJDEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:00	BS
								Certifications: NELAC-NY10854,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:00	BS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: SB-05 (0-2) **York Sample ID:** 15H0190-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	95	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
78-93-3	**2-Butanone**	**6.9**		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
67-64-1	**Acetone**	**37**	SCAL-E	ug/kg dry	4.8	9.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
107-02-8	Acrolein	ND		ug/kg dry	4.8	9.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS

Sample Information

Client Sample ID: SB-05 (0-2) **York Sample ID:** 15H0190-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:00	BS
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:00	BS
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:00	BS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:00	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 03:00	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:00	BS
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 03:00	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:00	BS
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 03:00	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 03:00	BS
100-41-4	**Ethyl Benzene**	**2.7**	J	ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:00	BS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 03:00	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 03:00	BS
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 03:00	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 03:00	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 03:00	BS
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:00	BS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 03:00	BS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 03:00	BS
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854	08/08/2015 03:00	BS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.5	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854	08/08/2015 03:00	BS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 03:00	BS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 03:00	BS

Sample Information

Client Sample ID: SB-05 (0-2) **York Sample ID:** 15H0190-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	**Styrene**	**3.6**	J	ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.8	9.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:00	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.2	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:00	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*107 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*89.4 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 16:21	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 16:21	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854	08/12/2015 07:23	08/12/2015 16:21	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 16:21	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854	08/12/2015 07:23	08/12/2015 16:21	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854	08/12/2015 07:23	08/12/2015 16:21	KH

Sample Information

Client Sample ID: SB-05 (0-2) **York Sample ID:** 15H0190-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 16:21	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 16:21	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 16:21	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 16:21	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 16:21	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 16:21	KH

Sample Information

Client Sample ID: SB-05 (0-2) **York Sample ID:** 15H0190-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
208-96-8	Acenaphthylene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
98-86-2	Acetophenone	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH NELAC-NY10854,NJDEP
62-53-3	Aniline	ND		ug/kg dry	180	360	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH NELAC-NY10854,NJDEP,PADEP
120-12-7	Anthracene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
1912-24-9	Atrazine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH NELAC-NY10854,NJDEP
100-52-7	Benzaldehyde	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH NELAC-NY10854,NJDEP
92-87-5	Benzidine	ND		ug/kg dry	180	360	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
65-85-0	Benzoic acid	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH NELAC-NY10854,NJDEP
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH NELAC-NY10854,NJDEP,PADEP
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
105-60-2	Caprolactam	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH NELAC-NY10854,NJDEP
86-74-8	Carbazole	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
218-01-9	Chrysene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 16:21	KH CTDOH,NELAC-NY10854,NJDEP,PADEP

Sample Information

Client Sample ID: SB-05 (0-2) **York Sample ID:** 15H0190-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 16:21	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
86-73-7	Fluorene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
78-59-1	Isophorone	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 16:21	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 16:21	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 16:21	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
85-01-8	Phenanthrene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
108-95-2	Phenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH
129-00-0	**Pyrene**	**46.0**	J	ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 16:21	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*14.1 %*	*10-95*
4165-62-2	*Surrogate: Phenol-d5*	*13.4 %*	*10-107*

Sample Information

Client Sample ID: SB-05 (0-2) **York Sample ID:** 15H0190-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	*Surrogate: Nitrobenzene-d5*	*14.0 %*			*10-95*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*14.2 %*			*10-97*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*14.7 %*			*10-103*						
1718-51-0	*Surrogate: Terphenyl-d14*	*16.2 %*			*19-99*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	**4,4'-DDD**	**5.38**		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	**alpha-Chlordane**	**6.74**		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
57-74-9	**Chlordane, total**	**113**		ug/kg dry	107	107	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	**gamma-Chlordane**	**5.75**		ug/kg dry	2.67	2.67	5	EPA 8081B	08/10/2015 14:32	08/11/2015 18:53	AMC
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: SB-05 (0-2) **York Sample ID:** 15H0190-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-44-8	Heptachlor	ND		ug/kg dry	2.67	2.67	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 18:53	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.67	2.67	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 18:53	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	13.3	13.3	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 18:53	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	135	135	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP	08/11/2015 18:53	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.4 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:45	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:45	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:45	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:45	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:45	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:45	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 18:45	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications:	08/10/2015 14:32	08/11/2015 18:45	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*88.1 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*71.0 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**13800**	B	mg/kg dry	5.39	5.39	1	EPA 6010C Certifications:	08/10/2015 12:06 CTDOH,NELAC-NY10854,NJDEP	08/10/2015 16:52	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.539	0.539	1	EPA 6010C Certifications:	08/10/2015 12:06 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 16:52	ALD

Sample Information

Client Sample ID: **SB-05 (0-2)** **York Sample ID:** **15H0190-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.22**		mg/kg dry	1.08	1.08	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**91.5**		mg/kg dry	1.08	1.08	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.324	0.324	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**3270**	B	mg/kg dry	0.539	5.39	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-47-3	**Chromium**	**35.7**		mg/kg dry	0.539	0.539	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**11.2**		mg/kg dry	0.539	0.539	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-50-8	**Copper**	**35.9**		mg/kg dry	0.539	0.539	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-89-6	**Iron**	**28900**		mg/kg dry	2.16	2.16	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-92-1	**Lead**	**48.3**		mg/kg dry	0.324	0.324	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3320**		mg/kg dry	5.39	5.39	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-96-5	**Manganese**	**372**		mg/kg dry	0.539	0.539	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-02-0	**Nickel**	**29.6**		mg/kg dry	0.539	0.539	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1370**		mg/kg dry	5.39	5.39	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7782-49-2	**Selenium**	**2.90**		mg/kg dry	1.08	1.08	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.539	0.539	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**137**		mg/kg dry	10.8	10.8	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-62-2	**Vanadium**	**35.1**		mg/kg dry	1.08	1.08	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-66-6	**Zinc**	**129**		mg/kg dry	1.08	1.08	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:52	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: SB-05 (0-2) **York Sample ID:** 15H0190-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0630**		mg/kg dry	0.0324	0.0324	1	EPA 7473	08/07/2015 12:57	08/07/2015 16:53	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.7**		%	0.100	0.100	1	SM 2540G	08/07/2015 10:26	08/07/2015 16:40	CLS
								Certifications: CTDOH			

Sample Information

Client Sample ID: SB-05 (12-14) **York Sample ID:** 15H0190-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:30	BS
								Certifications: NELAC-NY10854,NJDEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:30	BS
								Certifications: NELAC-NY10854,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:30	BS
								Certifications: NELAC-NY10854,NJDEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 03:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: SB-05 (12-14) **York Sample ID:** 15H0190-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:30	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:30	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:30	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:30	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	96	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
78-93-3	**2-Butanone**	**4.6**	J	ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
67-64-1	**Acetone**	**51**	SCAL-E	ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
107-02-8	Acrolein	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:30	BS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:30	BS
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:30	BS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:30	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 03:30	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:30	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 03:30	BS

Sample Information

Client Sample ID: SB-05 (12-14) **York Sample ID:** 15H0190-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 NELAC-NY10854,NJDEP	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 NELAC-NY10854,NJDEP,PADEP	BS
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 NELAC-NY10854,NJDEP	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 NELAC-NY10854,NJDEP	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 NELAC-NY10854,NJDEP	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP	BS
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 NELAC-NY10854,NJDEP	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 NELAC-NY10854,NJDEP	BS
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP	BS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP	BS
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854	BS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854	BS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP	BS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP	BS
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 CTDOH,NELAC-NY10854,NJDEP	BS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 03:30 NELAC-NY10854,NJDEP	BS

Sample Information

Client Sample ID: SB-05 (12-14) **York Sample ID:** 15H0190-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 03:30	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:30	BS
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:30	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 03:30	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:30	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:30	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:30	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:30	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.2	14	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 03:30	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.7 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 18:29	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 18:29	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 18:29	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 18:29	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 18:29	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 18:29	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 18:29	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 18:29	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 18:29	KH

Sample Information

Client Sample ID: SB-05 (12-14) **York Sample ID:** 15H0190-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 NELAC-NY10854,NJDEP,PADEP	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	Acenaphthene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-05 (12-14) **York Sample ID:** 15H0190-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-86-2	Acetophenone	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 18:29	KH
62-53-3	Aniline	ND		ug/kg dry	191	382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
120-12-7	Anthracene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
1912-24-9	Atrazine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 18:29	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 18:29	KH
92-87-5	Benzidine	ND		ug/kg dry	191	382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854	08/12/2015 07:23	08/12/2015 18:29	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
65-85-0	Benzoic acid	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 18:29	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
85-68-7	**Benzyl butyl phthalate**	**61.8**	J	ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**61.8**	J	ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
105-60-2	Caprolactam	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 18:29	KH
86-74-8	Carbazole	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
218-01-9	Chrysene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 18:29	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 18:29	KH

Sample Information

Client Sample ID: SB-05 (12-14) **York Sample ID:** 15H0190-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
206-44-0	Fluoranthene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
85-01-8	Phenanthrene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
108-95-2	Phenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
129-00-0	Pyrene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 18:29 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*34.0 %*	*10-95*
4165-62-2	*Surrogate: Phenol-d5*	*31.7 %*	*10-107*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*30.9 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*30.0 %*	*10-97*

Sample Information

Client Sample ID: SB-05 (12-14) **York Sample ID:** 15H0190-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*35.4 %*			*10-103*						
1718-51-0	*Surrogate: Terphenyl-d14*	*41.4 %*			*19-99*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 NELAC-NY10854,NJDEP	08/11/2015 19:08	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	113	113	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
72-20-8	Endrin	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP	08/11/2015 19:08	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 NELAC-NY10854,NJDEP	08/11/2015 19:08	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC

Sample Information

Client Sample ID: SB-05 (12-14) **York Sample ID:** 15H0190-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	14.2	14.2	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:08	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	143	143	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP	08/11/2015 19:08	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*92.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*98.6 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:04	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:04	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:04	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:04	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:04	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:04	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:04	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32	08/11/2015 19:04	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*85.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*78.7 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**20300**	B	mg/kg dry	5.72	5.72	1	EPA 6010C Certifications:	08/10/2015 12:06 CTDOH,NELAC-NY10854,NJDEP	08/10/2015 16:57	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.572	0.572	1	EPA 6010C Certifications:	08/10/2015 12:06 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 16:57	ALD
7440-38-2	Arsenic	ND		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications:	08/10/2015 12:06 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 16:57	ALD

Sample Information

Client Sample ID: **SB-05 (12-14)** **York Sample ID:** **15H0190-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	**Barium**	**141**		mg/kg dry	1.14	1.14	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.114	0.114	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-43-9	**Cadmium**	**0.345**		mg/kg dry	0.343	0.343	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**885**	B	mg/kg dry	0.572	5.72	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-47-3	**Chromium**	**37.1**		mg/kg dry	0.572	0.572	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**21.7**		mg/kg dry	0.572	0.572	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-50-8	**Copper**	**35.0**		mg/kg dry	0.572	0.572	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-89-6	**Iron**	**37200**		mg/kg dry	2.29	2.29	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-92-1	**Lead**	**8.12**		mg/kg dry	0.343	0.343	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5820**		mg/kg dry	5.72	5.72	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-96-5	**Manganese**	**512**		mg/kg dry	0.572	0.572	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-02-0	**Nickel**	**32.6**		mg/kg dry	0.572	0.572	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**5730**		mg/kg dry	5.72	5.72	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7782-49-2	**Selenium**	**2.84**		mg/kg dry	1.14	1.14	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.572	0.572	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**130**		mg/kg dry	11.4	11.4	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-62-2	**Vanadium**	**54.3**		mg/kg dry	1.14	1.14	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-66-6	**Zinc**	**81.8**		mg/kg dry	1.14	1.14	1	EPA 6010C	08/10/2015 12:06	08/10/2015 16:57	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: SB-05 (12-14) **York Sample ID:** 15H0190-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0343	0.0343	1	EPA 7473	08/07/2015 12:57	08/07/2015 17:02	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.4**		%	0.100	0.100	1	SM 2540G	08/07/2015 10:26	08/07/2015 16:40	CLS
								Certifications: CTDOH			

Sample Information

Client Sample ID: SB-06 (0-2) **York Sample ID:** 15H0190-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:00	BS
								Certifications: NELAC-NY10854,NJDEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:00	BS
								Certifications: NELAC-NY10854,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:00	BS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: **SB-06 (0-2)** **York Sample ID:** **15H0190-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	59	120	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
78-93-3	**2-Butanone**	**16**		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
591-78-6	2-Hexanone	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
67-64-1	**Acetone**	**76**	SCAL-E	ug/kg dry	5.9	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
107-02-8	Acrolein	ND		ug/kg dry	5.9	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
107-13-1	Acrylonitrile	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
71-43-2	Benzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
75-25-2	Bromoform	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS

Sample Information

Client Sample ID: SB-06 (0-2) **York Sample ID:** 15H0190-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
75-00-3	Chloroethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
67-66-3	Chloroform	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
74-87-3	Chloromethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
110-82-7	Cyclohexane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 NELAC-NY10854,NJDEP	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 NELAC-NY10854,NJDEP,PADEP	BS
74-95-3	Dibromomethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 NELAC-NY10854,NJDEP	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 NELAC-NY10854,NJDEP	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 NELAC-NY10854,NJDEP	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP	BS
79-20-9	Methyl acetate	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 NELAC-NY10854,NJDEP	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 NELAC-NY10854,NJDEP	BS
75-09-2	Methylene chloride	ND		ug/kg dry	5.9	12	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP	BS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP	BS
95-47-6	o-Xylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854	BS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.9	12	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854	BS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP	BS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP	BS
100-42-5	Styrene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:00 CTDOH,NELAC-NY10854,NJDEP	BS

Sample Information

Client Sample ID: SB-06 (0-2) **York Sample ID:** 15H0190-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	5.9	12	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
108-88-3	Toluene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:00	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.0	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.9	18	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:00	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*107 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.7 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 19:35	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 19:35	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:35	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854	08/12/2015 07:23	08/12/2015 19:35	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 19:35	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854	08/12/2015 07:23	08/12/2015 19:35	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854	08/12/2015 07:23	08/12/2015 19:35	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 19:35	KH

Sample Information

Client Sample ID: SB-06 (0-2) **York Sample ID:** 15H0190-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 NELAC-NY10854,NJDEP,PADEP	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	Acenaphthene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-06 (0-2) **York Sample ID:** 15H0190-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
98-86-2	Acetophenone	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH NELAC-NY10854,NJDEP
62-53-3	Aniline	ND		ug/kg dry	181	361	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH NELAC-NY10854,NJDEP,PADEP
120-12-7	Anthracene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
1912-24-9	Atrazine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH NELAC-NY10854,NJDEP
100-52-7	Benzaldehyde	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH NELAC-NY10854,NJDEP
92-87-5	Benzidine	ND		ug/kg dry	181	361	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
65-85-0	Benzoic acid	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH NELAC-NY10854,NJDEP
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH NELAC-NY10854,NJDEP,PADEP
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
105-60-2	Caprolactam	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH NELAC-NY10854,NJDEP
86-74-8	Carbazole	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
218-01-9	Chrysene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP,PADEP
132-64-9	Dibenzofuran	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35	KH CTDOH,NELAC-NY10854,NJDEP

Sample Information

Client Sample ID: SB-06 (0-2) **York Sample ID:** 15H0190-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
85-01-8	Phenanthrene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
108-95-2	Phenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
129-00-0	Pyrene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*23.0 %*	*10-95*
4165-62-2	*Surrogate: Phenol-d5*	*25.4 %*	*10-107*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*21.9 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*21.6 %*	*10-97*

Sample Information

Client Sample ID: SB-06 (0-2) **York Sample ID:** 15H0190-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*18.9 %*			*10-103*						
1718-51-0	*Surrogate: Terphenyl-d14*	*24.8 %*			*19-99*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
72-55-9	**4,4'-DDE**	**12.7**		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
5103-71-9	**alpha-Chlordane**	**28.9**		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 NELAC-NY10854,NJDEP	08/11/2015 19:23	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
57-74-9	**Chlordane, total**	**437**		ug/kg dry	107	107	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
60-57-1	**Dieldrin**	**13.3**		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
72-20-8	Endrin	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP	08/11/2015 19:23	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC
5566-34-7	**gamma-Chlordane**	**28.3**		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 NELAC-NY10854,NJDEP	08/11/2015 19:23	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:23	AMC

Sample Information

Client Sample ID: SB-06 (0-2) **York Sample ID:** 15H0190-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.68	2.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:23	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	13.4	13.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:23	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	135	135	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 19:23	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.4 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*78.9 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:23	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:23	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:23	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:23	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:23	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:23	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:23	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A Certifications:	08/10/2015 14:32	08/11/2015 19:23	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*92.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.4 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**20200**	B	mg/kg dry	5.41	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:01	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.541	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 17:01	ALD

Sample Information

Client Sample ID: **SB-06 (0-2)** **York Sample ID:** **15H0190-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**4.82**		mg/kg dry	1.08	1.08	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**156**		mg/kg dry	1.08	1.08	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-43-9	**Cadmium**	**0.639**		mg/kg dry	0.325	0.325	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**12600**	B	mg/kg dry	0.541	5.41	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-47-3	**Chromium**	**46.2**		mg/kg dry	0.541	0.541	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**15.2**		mg/kg dry	0.541	0.541	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-50-8	**Copper**	**43.1**		mg/kg dry	0.541	0.541	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-89-6	**Iron**	**28000**		mg/kg dry	2.16	2.16	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-92-1	**Lead**	**88.9**		mg/kg dry	0.325	0.325	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5890**		mg/kg dry	5.41	5.41	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-96-5	**Manganese**	**409**		mg/kg dry	0.541	0.541	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-02-0	**Nickel**	**32.9**		mg/kg dry	0.541	0.541	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**2310**		mg/kg dry	5.41	5.41	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7782-49-2	**Selenium**	**2.23**		mg/kg dry	1.08	1.08	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.541	0.541	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**230**		mg/kg dry	10.8	10.8	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-62-2	**Vanadium**	**56.5**		mg/kg dry	1.08	1.08	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-66-6	**Zinc**	**227**		mg/kg dry	1.08	1.08	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:01	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: SB-06 (0-2) **York Sample ID:** 15H0190-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0517**		mg/kg dry	0.0325	0.0325	1	EPA 7473	08/07/2015 12:57	08/07/2015 17:11	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.4**		%	0.100	0.100	1	SM 2540G	08/07/2015 10:26	08/07/2015 16:40	CLS
								Certifications: CTDOH			

Sample Information

Client Sample ID: SB-06 (12-14) **York Sample ID:** 15H0190-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:30	BS
								Certifications: NELAC-NY10854,NJDEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:30	BS
								Certifications: NELAC-NY10854,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:30	BS
								Certifications: NELAC-NY10854,NJDEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/07/2015 17:05	08/08/2015 04:30	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: SB-06 (12-14) **York Sample ID:** 15H0190-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:30	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:30	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:30	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:30	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	96	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
67-64-1	**Acetone**	**7.9**	SCAL-E, J	ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
107-02-8	Acrolein	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:30	BS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:30	BS
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:30	BS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:30	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 04:30	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:30	BS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:30	BS
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 04:30	BS

Sample Information

Client Sample ID: SB-06 (12-14) **York Sample ID:** 15H0190-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 NELAC-NY10854,NJDEP	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 NELAC-NY10854,NJDEP,PADEP	BS
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 NELAC-NY10854,NJDEP	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 NELAC-NY10854,NJDEP	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 NELAC-NY10854,NJDEP	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP	BS
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 NELAC-NY10854,NJDEP	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 NELAC-NY10854,NJDEP	BS
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	BS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP	BS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP	BS
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854	BS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854	BS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP	BS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP	BS
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP	BS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 NELAC-NY10854,NJDEP	BS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05	08/08/2015 04:30 CTDOH,NELAC-NY10854,NJDEP	BS

Sample Information

Client Sample ID: SB-06 (12-14) **York Sample ID:** 15H0190-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 04:30	BS
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 04:30	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 04:30	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 04:30	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 04:30	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 04:30	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 04:30	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.2	14	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 04:30	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.3 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 19:04	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 19:04	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 19:04	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 19:04	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 19:04	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 19:04	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854	08/12/2015 19:04	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23 NELAC-NY10854,NJDEP	08/12/2015 19:04	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP	08/12/2015 19:04	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 19:04	KH

Sample Information

Client Sample ID: SB-06 (12-14) **York Sample ID:** 15H0190-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 NELAC-NY10854,NJDEP,PADEP	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	Acenaphthene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
98-86-2	Acetophenone	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 NELAC-NY10854,NJDEP	KH

Sample Information

Client Sample ID: SB-06 (12-14) **York Sample ID:** 15H0190-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/kg dry	191	382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
120-12-7	Anthracene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
1912-24-9	Atrazine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 19:04	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 19:04	KH
92-87-5	Benzidine	ND		ug/kg dry	191	382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854	08/12/2015 07:23	08/12/2015 19:04	KH
56-55-3	**Benzo(a)anthracene**	**182**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
50-32-8	**Benzo(a)pyrene**	**182**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
205-99-2	**Benzo(b)fluoranthene**	**126**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
191-24-2	**Benzo(g,h,i)perylene**	**195**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
207-08-9	**Benzo(k)fluoranthene**	**172**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
65-85-0	Benzoic acid	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 19:04	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**86.9**	J	ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
105-60-2	Caprolactam	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 19:04	KH
86-74-8	Carbazole	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
218-01-9	**Chrysene**	**200**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
53-70-3	**Dibenzo(a,h)anthracene**	**99.1**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2015 07:23	08/12/2015 19:04	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2015 07:23	08/12/2015 19:04	KH

Sample Information

Client Sample ID: SB-06 (12-14) **York Sample ID:** 15H0190-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
206-44-0	**Fluoranthene**	**253**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**149**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
85-01-8	Phenanthrene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
108-95-2	Phenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
129-00-0	**Pyrene**	**322**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	08/12/2015 07:23	08/12/2015 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*25.9 %*	*10-95*
4165-62-2	*Surrogate: Phenol-d5*	*29.4 %*	*10-107*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*25.1 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*27.4 %*	*10-97*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*22.2 %*	*10-103*

Sample Information

Client Sample ID: SB-06 (12-14) **York Sample ID:** 15H0190-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	*Surrogate: Terphenyl-d14*	*28.1 %*			*19-99*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 19:38	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	113	113	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
72-20-8	Endrin	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 19:38	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2015 14:32	08/11/2015 19:38	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.83	2.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 14:32	08/11/2015 19:38	AMC

Sample Information

Client Sample ID: SB-06 (12-14) **York Sample ID:** 15H0190-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-43-5	Methoxychlor	ND		ug/kg dry	14.2	14.2	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 19:38	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	143	143	5	EPA 8081B Certifications:	08/10/2015 14:32 CTDOH,NELAC-NY10854,NJDEP	08/11/2015 19:38	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*89.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*82.4 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:42	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:42	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:42	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:42	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:42	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:42	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/11/2015 19:42	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0286	0.0286	1	EPA 8082A Certifications:	08/10/2015 14:32	08/11/2015 19:42	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*70.5 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11800**	B	mg/kg dry	5.72	5.72	1	EPA 6010C Certifications:	08/10/2015 12:06 CTDOH,NELAC-NY10854,NJDEP	08/10/2015 17:06	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.572	0.572	1	EPA 6010C Certifications:	08/10/2015 12:06 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 17:06	ALD
7440-38-2	Arsenic	ND		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications:	08/10/2015 12:06 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 17:06	ALD

Sample Information

Client Sample ID: **SB-06 (12-14)** **York Sample ID:** **15H0190-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	**Barium**	**102**		mg/kg dry	1.14	1.14	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.114	0.114	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.343	0.343	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1390**	B	mg/kg dry	0.572	5.72	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-47-3	**Chromium**	**26.7**		mg/kg dry	0.572	0.572	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**12.8**		mg/kg dry	0.572	0.572	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-50-8	**Copper**	**26.5**		mg/kg dry	0.572	0.572	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-89-6	**Iron**	**22900**		mg/kg dry	2.29	2.29	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-92-1	**Lead**	**4.76**		mg/kg dry	0.343	0.343	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**4230**		mg/kg dry	5.72	5.72	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-96-5	**Manganese**	**460**		mg/kg dry	0.572	0.572	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-02-0	**Nickel**	**21.0**		mg/kg dry	0.572	0.572	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**4110**		mg/kg dry	5.72	5.72	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7782-49-2	**Selenium**	**1.81**		mg/kg dry	1.14	1.14	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.572	0.572	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**138**		mg/kg dry	11.4	11.4	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-62-2	**Vanadium**	**35.8**		mg/kg dry	1.14	1.14	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-66-6	**Zinc**	**43.6**		mg/kg dry	1.14	1.14	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:06	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: SB-06 (12-14) **York Sample ID:** 15H0190-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0343	0.0343	1	EPA 7473	08/07/2015 12:57	08/07/2015 17:20	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.4**		%	0.100	0.100	1	SM 2540G	08/07/2015 10:26	08/07/2015 16:40	CLS
								Certifications: CTDOH			

Sample Information

Client Sample ID: SB-07 (0-2) **York Sample ID:** 15H0190-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	08/07/2015 17:05	08/08/2015 05:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	08/07/2015 17:05	08/08/2015 05:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	08/07/2015 17:05	08/08/2015 05:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	08/07/2015 17:05	08/08/2015 05:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	08/07/2015 17:05	08/08/2015 05:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	08/07/2015 17:05	08/08/2015 05:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	08/07/2015 17:05	08/08/2015 05:00	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	08/07/2015 17:05	08/08/2015 05:00	BS
								Certifications: NELAC-NY10854,NJDEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	08/07/2015 17:05	08/08/2015 05:00	BS
								Certifications: NELAC-NY10854,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	08/07/2015 17:05	08/08/2015 05:00	BS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: SB-07 (0-2) **York Sample ID:** 15H0190-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
123-91-1	1,4-Dioxane	ND		ug/kg dry	51	100	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
78-93-3	**2-Butanone**	**9.5**		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
67-64-1	**Acetone**	**45**	SCAL-E	ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
107-02-8	Acrolein	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
71-43-2	Benzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS

Sample Information

Client Sample ID: SB-07 (0-2) **York Sample ID:** 15H0190-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 05:00	BS
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 05:00	BS
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 05:00	BS
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 05:00	BS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 05:00	BS
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP,PADEP	08/08/2015 05:00	BS
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 05:00	BS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
75-09-2	Methylene chloride	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2015 05:00	BS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854	08/08/2015 05:00	BS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854	08/08/2015 05:00	BS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 05:00	BS
100-42-5	Styrene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications:	08/07/2015 17:05 CTDOH,NELAC-NY10854,NJDEP	08/08/2015 05:00	BS

Sample Information

Client Sample ID: SB-07 (0-2) **York Sample ID:** 15H0190-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
108-88-3	Toluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/07/2015 17:05	08/08/2015 05:00	BS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.6	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2015 17:05	08/08/2015 05:00	BS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/11/2015 09:13	08/11/2015 17:54	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	91.7	183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/11/2015 09:13	08/11/2015 17:54	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 09:13	08/11/2015 17:54	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications: NELAC-NY10854	08/11/2015 09:13	08/11/2015 17:54	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/11/2015 09:13	08/11/2015 17:54	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications: NELAC-NY10854	08/11/2015 09:13	08/11/2015 17:54	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications: NELAC-NY10854	08/11/2015 09:13	08/11/2015 17:54	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	91.7	183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP	08/11/2015 09:13	08/11/2015 17:54	SR

Sample Information

Client Sample ID: SB-07 (0-2) **York Sample ID:** 15H0190-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	91.7	183	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP
95-48-7	2-Methylphenol	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
88-74-4	2-Nitroaniline	ND		ug/kg dry	91.7	183	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR NELAC-NY10854,NJDEP,PADEP
99-09-2	3-Nitroaniline	ND		ug/kg dry	91.7	183	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	91.7	183	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
100-01-6	4-Nitroaniline	ND		ug/kg dry	91.7	183	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
100-02-7	4-Nitrophenol	ND		ug/kg dry	91.7	183	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
83-32-9	Acenaphthene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP

Sample Information

Client Sample ID: SB-07 (0-2) **York Sample ID:** 15H0190-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
98-86-2	Acetophenone	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR NELAC-NY10854,NJDEP
62-53-3	Aniline	ND		ug/kg dry	184	367	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR NELAC-NY10854,NJDEP,PADEP
120-12-7	Anthracene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
1912-24-9	Atrazine	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR NELAC-NY10854,NJDEP
100-52-7	Benzaldehyde	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR NELAC-NY10854,NJDEP
92-87-5	Benzidine	ND		ug/kg dry	184	367	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854
56-55-3	**Benzo(a)anthracene**	**114**		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
50-32-8	**Benzo(a)pyrene**	**60.8**	J	ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
205-99-2	**Benzo(b)fluoranthene**	**78.4**	J	ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
207-08-9	**Benzo(k)fluoranthene**	**101**		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
65-85-0	Benzoic acid	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR NELAC-NY10854,NJDEP
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR NELAC-NY10854,NJDEP,PADEP
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
105-60-2	Caprolactam	ND		ug/kg dry	91.7	183	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR NELAC-NY10854,NJDEP
86-74-8	Carbazole	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
218-01-9	**Chrysene**	**211**		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13	08/11/2015 17:54	SR CTDOH,NELAC-NY10854,NJDEP,PADEP

Sample Information

Client Sample ID: SB-07 (0-2) **York Sample ID:** 15H0190-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP	08/11/2015 17:54	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
206-44-0	**Fluoranthene**	**278**		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
86-73-7	Fluorene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
78-59-1	Isophorone	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
91-20-3	Naphthalene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP	08/11/2015 17:54	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP	08/11/2015 17:54	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP	08/11/2015 17:54	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
85-01-8	**Phenanthrene**	**97.5**		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
108-95-2	Phenol	ND		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR
129-00-0	**Pyrene**	**284**		ug/kg dry	45.9	91.7	2	EPA 8270D Certifications:	08/11/2015 09:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2015 17:54	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*17.7 %*	*10-95*
4165-62-2	*Surrogate: Phenol-d5*	*19.1 %*	*10-107*

Sample Information

Client Sample ID: SB-07 (0-2) **York Sample ID:** 15H0190-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	*Surrogate: Nitrobenzene-d5*	*16.9 %*			*10-95*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*19.2 %*			*10-97*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*9.57 %*	S-08		*10-103*						
1718-51-0	*Surrogate: Terphenyl-d14*	*18.7 %*	S-08		*19-99*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
5103-71-9	**alpha-Chlordane**	**13.2**		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 NELAC-NY10854,NJDEP	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
57-74-9	**Chlordane, total**	**190**		ug/kg dry	109	109	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
72-20-8	Endrin	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
5566-34-7	**gamma-Chlordane**	**15.9**		ug/kg dry	2.72	2.72	5	EPA 8081B Certifications:	08/10/2015 14:32	08/11/2015 19:53 NELAC-NY10854,NJDEP	AMC

Sample Information

Client Sample ID: SB-07 (0-2) **York Sample ID:** 15H0190-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-44-8	Heptachlor	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	08/10/2015 14:32	08/11/2015 19:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	08/10/2015 14:32	08/11/2015 19:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		ug/kg dry	13.6	13.6	5	EPA 8081B	08/10/2015 14:32	08/11/2015 19:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		ug/kg dry	138	138	5	EPA 8081B	08/10/2015 14:32	08/11/2015 19:53	AMC
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.7 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*57.7 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	08/10/2015 14:32	08/11/2015 20:02	AMC
								Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	08/10/2015 14:32	08/11/2015 20:02	AMC
								Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	08/10/2015 14:32	08/11/2015 20:02	AMC
								Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	08/10/2015 14:32	08/11/2015 20:02	AMC
								Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	08/10/2015 14:32	08/11/2015 20:02	AMC
								Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	**Aroclor 1254**	**0.172**		mg/kg dry	0.0275	0.0275	1	EPA 8082A	08/10/2015 14:32	08/11/2015 20:02	AMC
								Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	**Aroclor 1260**	**0.161**		mg/kg dry	0.0275	0.0275	1	EPA 8082A	08/10/2015 14:32	08/11/2015 20:02	AMC
								Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	*** Total PCBs**	**0.333**		mg/kg dry	0.0275	0.0275	1	EPA 8082A	08/10/2015 14:32	08/11/2015 20:02	AMC
								Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*83.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.9 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**12400**	B	mg/kg dry	5.50	5.50	1	EPA 6010C	08/10/2015 12:06	08/10/2015 17:11	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Sample Information

Client Sample ID: SB-07 (0-2) **York Sample ID:** 15H0190-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/kg dry	0.550	0.550	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-38-2	**Arsenic**	**3.37**		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-39-3	**Barium**	**138**		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-43-9	**Cadmium**	**0.953**		mg/kg dry	0.330	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-70-2	**Calcium**	**36000**	B	mg/kg dry	0.550	5.50	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-47-3	**Chromium**	**30.6**		mg/kg dry	0.550	0.550	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-48-4	**Cobalt**	**11.2**		mg/kg dry	0.550	0.550	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-50-8	**Copper**	**53.0**		mg/kg dry	0.550	0.550	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7439-89-6	**Iron**	**24700**		mg/kg dry	2.20	2.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7439-92-1	**Lead**	**129**		mg/kg dry	0.330	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7439-95-4	**Magnesium**	**15600**		mg/kg dry	5.50	5.50	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7439-96-5	**Manganese**	**329**		mg/kg dry	0.550	0.550	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-02-0	**Nickel**	**20.7**		mg/kg dry	0.550	0.550	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-09-7	**Potassium**	**3290**		mg/kg dry	5.50	5.50	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7782-49-2	**Selenium**	**1.41**		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-22-4	Silver	ND		mg/kg dry	0.550	0.550	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-23-5	**Sodium**	**486**		mg/kg dry	11.0	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-62-2	**Vanadium**	**54.0**		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:11	ALD
7440-66-6	**Zinc**	**166**		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/10/2015 12:06	08/10/2015 17:11	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: SB-07 (0-2) **York Sample ID:** 15H0190-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0190	HB15073	Soil	August 5, 2015 3:00 pm	08/06/2015

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.159**		mg/kg dry	0.0330	0.0330	1	EPA 7473	08/07/2015 12:57	08/07/2015 17:29	ALD
								Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.0**		%	0.100	0.100	1	SM 2540G	08/07/2015 10:26	08/07/2015 16:40	CLS
								Certifications:	CTDOH		

Analytical Batch Summary

Batch ID: BH50280 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
15H0190-01	SB-01 (0-2)	08/07/15
15H0190-02	SB-01 (12-14)	08/07/15
15H0190-03	SB-02 (0-2)	08/07/15
15H0190-04	SB-03 (0-2)	08/07/15
15H0190-05	SB-03 (8-10)	08/07/15
15H0190-06	SB-04 (0-2)	08/07/15
BH50280-DUP1	Duplicate	08/07/15

Batch ID: BH50281 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
15H0190-07	SB-04 (8-10)	08/07/15
15H0190-08	SB-05 (0-2)	08/07/15
15H0190-09	SB-05 (12-14)	08/07/15
15H0190-10	SB-06 (0-2)	08/07/15
15H0190-11	SB-06 (12-14)	08/07/15
15H0190-12	SB-07 (0-2)	08/07/15

Batch ID: BH50298 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15H0190-01	SB-01 (0-2)	08/07/15
15H0190-02	SB-01 (12-14)	08/07/15
15H0190-03	SB-02 (0-2)	08/07/15
15H0190-04	SB-03 (0-2)	08/07/15
15H0190-05	SB-03 (8-10)	08/07/15
15H0190-06	SB-04 (0-2)	08/07/15
15H0190-07	SB-04 (8-10)	08/07/15
15H0190-08	SB-05 (0-2)	08/07/15
15H0190-09	SB-05 (12-14)	08/07/15
15H0190-10	SB-06 (0-2)	08/07/15
15H0190-11	SB-06 (12-14)	08/07/15
15H0190-12	SB-07 (0-2)	08/07/15
BH50298-BLK1	Blank	08/07/15
BH50298-SRM1	Reference	08/07/15

Batch ID: BH50305 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15H0190-01	SB-01 (0-2)	08/07/15
15H0190-02	SB-01 (12-14)	08/07/15
15H0190-03	SB-02 (0-2)	08/07/15
15H0190-04	SB-03 (0-2)	08/07/15
15H0190-05	SB-03 (8-10)	08/07/15

15H0190-06	SB-04 (0-2)	08/07/15
15H0190-07	SB-04 (8-10)	08/07/15
15H0190-08	SB-05 (0-2)	08/07/15
15H0190-09	SB-05 (12-14)	08/07/15
15H0190-10	SB-06 (0-2)	08/07/15
15H0190-11	SB-06 (12-14)	08/07/15
15H0190-12	SB-07 (0-2)	08/07/15
BH50305-BLK1	Blank	08/07/15
BH50305-BS1	LCS	08/07/15
BH50305-BSD1	LCS Dup	08/07/15

Batch ID: BH50353 **Preparation Method:** EPA 3050B **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15H0190-01	SB-01 (0-2)	08/10/15
15H0190-02	SB-01 (12-14)	08/10/15
15H0190-03	SB-02 (0-2)	08/10/15
15H0190-04	SB-03 (0-2)	08/10/15
15H0190-05	SB-03 (8-10)	08/10/15
15H0190-06	SB-04 (0-2)	08/10/15
15H0190-07	SB-04 (8-10)	08/10/15
15H0190-08	SB-05 (0-2)	08/10/15
15H0190-09	SB-05 (12-14)	08/10/15
15H0190-10	SB-06 (0-2)	08/10/15
15H0190-11	SB-06 (12-14)	08/10/15
15H0190-12	SB-07 (0-2)	08/10/15
BH50353-BLK1	Blank	08/10/15
BH50353-DUP1	Duplicate	08/10/15
BH50353-MS1	Matrix Spike	08/10/15
BH50353-SRM1	Reference	08/10/15

Batch ID: BH50363 **Preparation Method:** EPA 3545A **Prepared By:** LEK

YORK Sample ID	Client Sample ID	Preparation Date
15H0190-04	SB-03 (0-2)	08/10/15
15H0190-04	SB-03 (0-2)	08/10/15
15H0190-05	SB-03 (8-10)	08/10/15
15H0190-05	SB-03 (8-10)	08/10/15
15H0190-06	SB-04 (0-2)	08/10/15
15H0190-06	SB-04 (0-2)	08/10/15
15H0190-07	SB-04 (8-10)	08/10/15
15H0190-07	SB-04 (8-10)	08/10/15
15H0190-08	SB-05 (0-2)	08/10/15
15H0190-08	SB-05 (0-2)	08/10/15
15H0190-09	SB-05 (12-14)	08/10/15
15H0190-09	SB-05 (12-14)	08/10/15
15H0190-10	SB-06 (0-2)	08/10/15
15H0190-10	SB-06 (0-2)	08/10/15
15H0190-11	SB-06 (12-14)	08/10/15
15H0190-11	SB-06 (12-14)	08/10/15
15H0190-12	SB-07 (0-2)	08/10/15
15H0190-12	SB-07 (0-2)	08/10/15

BH50363-BLK1	Blank	08/10/15
BH50363-BLK1	Blank	08/10/15
BH50363-BS1	LCS	08/10/15
BH50363-BS2	LCS	08/10/15
BH50363-BSD1	LCS Dup	08/10/15
BH50363-BSD2	LCS Dup	08/10/15
BH50363-MS1	Matrix Spike	08/10/15

Batch ID: BH50400 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
15H0190-12	SB-07 (0-2)	08/11/15
BH50400-BLK1	Blank	08/11/15
BH50400-BS1	LCS	08/11/15
BH50400-BSD1	LCS Dup	08/11/15

Batch ID: BH50450 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
15H0190-01	SB-01 (0-2)	08/12/15
15H0190-02	SB-01 (12-14)	08/12/15
15H0190-03	SB-02 (0-2)	08/12/15
15H0190-04	SB-03 (0-2)	08/12/15
15H0190-05	SB-03 (8-10)	08/12/15
15H0190-06	SB-04 (0-2)	08/12/15
15H0190-07	SB-04 (8-10)	08/12/15
15H0190-08	SB-05 (0-2)	08/12/15
15H0190-09	SB-05 (12-14)	08/12/15
15H0190-10	SB-06 (0-2)	08/12/15
15H0190-11	SB-06 (12-14)	08/12/15
BH50450-BLK1	Blank	08/12/15
BH50450-BS1	LCS	08/12/15
BH50450-BSD1	LCS Dup	08/12/15

Batch ID: BH50495 **Preparation Method:** EPA 3550C **Prepared By:** LEK

YORK Sample ID	Client Sample ID	Preparation Date
15H0190-01	SB-01 (0-2)	08/12/15
15H0190-01	SB-01 (0-2)	08/12/15
15H0190-02	SB-01 (12-14)	08/12/15
15H0190-02	SB-01 (12-14)	08/12/15
15H0190-03	SB-02 (0-2)	08/12/15
15H0190-03	SB-02 (0-2)	08/12/15
BH50495-BLK1	Blank	08/12/15
BH50495-BLK1	Blank	08/12/15
BH50495-BS1	LCS	08/12/15
BH50495-BS2	LCS	08/12/15
BH50495-BSD1	LCS Dup	08/12/15

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50305 - EPA 5035A											
Blank (BH50305-BLK1)											Prepared & Analyzed: 08/07/2015
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	4.7	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	3.3	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50305 - EPA 5035A											
Blank (BH50305-BLK1)								Prepared & Analyzed: 08/07/2015			
n-Propylbenzene	ND	5.0	ug/kg wet								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*54.4*		*ug/L*	*50.0*		*109*	*77-125*				
Surrogate: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				
Surrogate: p-Bromofluorobenzene	*45.9*		*"*	*50.0*		*91.9*	*76-130*				
LCS (BH50305-BS1)								Prepared & Analyzed: 08/07/2015			
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		107	75-129				
1,1,1-Trichloroethane	51		"	50.0		102	71-137				
1,1,2,2-Tetrachloroethane	52		"	50.0		104	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47		"	50.0		94.4	58-146				
1,1,2-Trichloroethane	54		"	50.0		107	83-123				
1,1-Dichloroethane	48		"	50.0		96.2	75-130				
1,1-Dichloroethylene	46		"	50.0		92.4	64-137				
1,2,3-Trichlorobenzene	45		"	50.0		90.7	81-140				
1,2,3-Trichloropropane	51		"	50.0		102	81-126				
1,2,4-Trichlorobenzene	44		"	50.0		88.2	80-141				
1,2,4-Trimethylbenzene	48		"	50.0		96.7	84-125				
1,2-Dibromo-3-chloropropane	54		"	50.0		108	74-142				
1,2-Dibromoethane	53		"	50.0		105	86-123				
1,2-Dichlorobenzene	50		"	50.0		100	85-122				
1,2-Dichloroethane	48		"	50.0		96.2	71-133				
1,2-Dichloropropane	52		"	50.0		105	81-122				
1,3,5-Trimethylbenzene	46		"	50.0		92.6	82-126				
1,3-Dichlorobenzene	49		"	50.0		97.2	84-124				
1,4-Dichlorobenzene	46		"	50.0		91.5	84-124				
1,4-Dioxane	1400		"	1000		144	10-228				
2-Butanone	55		"	50.0		109	58-147				
2-Hexanone	57		"	50.0		114	70-139				
4-Methyl-2-pentanone	56		"	50.0		113	72-132				
Acetone	43		"	50.0		85.9	36-155				
Acrolein	67		"	50.0		133	10-238				
Acrylonitrile	54		"	50.0		108	66-141				
Benzene	47		"	50.0		93.7	77-127				
Bromochloromethane	51		"	50.0		102	74-129				
Bromodichloromethane	53		"	50.0		107	81-124				
Bromoform	53		"	50.0		106	80-136				
Bromomethane	65		"	50.0		130	32-177				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50305 - EPA 5035A											
LCS (BH50305-BS1)								Prepared & Analyzed: 08/07/2015			
Carbon disulfide	43		ug/L	50.0		85.6	10-136				
Carbon tetrachloride	49		"	50.0		98.0	66-143				
Chlorobenzene	50		"	50.0		101	86-120				
Chloroethane	62		"	50.0		123	51-142				
Chloroform	49		"	50.0		97.1	76-131				
Chloromethane	51		"	50.0		102	49-132				
cis-1,2-Dichloroethylene	49		"	50.0		98.1	74-132				
cis-1,3-Dichloropropylene	54		"	50.0		108	81-129				
Cyclohexane	49		"	50.0		98.3	70-130				
Dibromochloromethane	56		"	50.0		111	10-200				
Dibromomethane	54		"	50.0		108	83-124				
Dichlorodifluoromethane	56		"	50.0		112	28-158				
Ethyl Benzene	51		"	50.0		102	84-125				
Hexachlorobutadiene	44		"	50.0		88.8	83-133				
Isopropylbenzene	48		"	50.0		96.8	81-127				
Methyl acetate	53		"	50.0		107	41-143				
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.2	74-131				
Methylcyclohexane	53		"	50.0		107	70-130				
Methylene chloride	49		"	50.0		98.6	57-141				
n-Butylbenzene	49		"	50.0		97.7	80-130				
n-Propylbenzene	48		"	50.0		96.7	74-136				
o-Xylene	52		"	50.0		104	83-123				
p- & m- Xylenes	100		"	100		103	82-128				
p-Isopropyltoluene	47		"	50.0		93.9	85-125				
sec-Butylbenzene	46		"	50.0		91.7	83-125				
Styrene	50		"	50.0		100	86-126				
tert-Butyl alcohol (TBA)	58		"	50.0		117	70-130				
tert-Butylbenzene	48		"	50.0		96.7	80-127				
Tetrachloroethylene	58		"	50.0		116	80-129				
Toluene	51		"	50.0		103	85-121				
trans-1,2-Dichloroethylene	48		"	50.0		95.1	72-132				
trans-1,3-Dichloropropylene	55		"	50.0		111	78-132				
Trichloroethylene	53		"	50.0		105	84-123				
Trichlorofluoromethane	47		"	50.0		93.6	62-140				
Vinyl Chloride	63		"	50.0		125	52-130				
Surrogate: 1,2-Dichloroethane-d4	*50.4*		*"*	*50.0*		*101*	*77-125*				
Surrogate: Toluene-d8	*51.7*		*"*	*50.0*		*103*	*85-120*				
Surrogate: p-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.5*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50305 - EPA 5035A											
LCS Dup (BH50305-BSD1)								Prepared & Analyzed: 08/07/2015			
1,1,1,2-Tetrachloroethane	55		ug/L	50.0		110	75-129		2.94	30	
1,1,1-Trichloroethane	56		"	50.0		111	71-137		8.93	30	
1,1,2,2-Tetrachloroethane	53		"	50.0		107	79-129		2.31	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		101	58-146		7.01	30	
1,1,2-Trichloroethane	53		"	50.0		106	83-123		1.50	30	
1,1-Dichloroethane	50		"	50.0		99.8	75-130		3.70	30	
1,1-Dichloroethylene	48		"	50.0		96.9	64-137		4.80	30	
1,2,3-Trichlorobenzene	47		"	50.0		94.3	81-140		3.94	30	
1,2,3-Trichloropropane	53		"	50.0		105	81-126		3.19	30	
1,2,4-Trichlorobenzene	48		"	50.0		95.6	80-141		7.97	30	
1,2,4-Trimethylbenzene	49		"	50.0		97.7	84-125		1.01	30	
1,2-Dibromo-3-chloropropane	52		"	50.0		104	74-142		3.50	30	
1,2-Dibromoethane	54		"	50.0		107	86-123		1.77	30	
1,2-Dichlorobenzene	51		"	50.0		103	85-122		2.36	30	
1,2-Dichloroethane	52		"	50.0		104	71-133		7.87	30	
1,2-Dichloropropane	53		"	50.0		105	81-122		0.667	30	
1,3,5-Trimethylbenzene	48		"	50.0		95.3	82-126		2.87	30	
1,3-Dichlorobenzene	50		"	50.0		99.1	84-124		1.96	30	
1,4-Dichlorobenzene	49		"	50.0		98.6	84-124		7.47	30	
1,4-Dioxane	1400		"	1000		140	10-228		2.40	30	
2-Butanone	53		"	50.0		106	58-147		3.35	30	
2-Hexanone	56		"	50.0		113	70-139		0.689	30	
4-Methyl-2-pentanone	53		"	50.0		105	72-132		6.97	30	
Acetone	38		"	50.0		76.2	36-155		12.0	30	
Acrolein	67		"	50.0		135	10-238		1.04	30	
Acrylonitrile	54		"	50.0		108	66-141		0.149	30	
Benzene	49		"	50.0		98.7	77-127		5.20	30	
Bromochloromethane	53		"	50.0		107	74-129		4.77	30	
Bromodichloromethane	55		"	50.0		110	81-124		3.34	30	
Bromoform	54		"	50.0		109	80-136		2.93	30	
Bromomethane	69		"	50.0		139	32-177		6.25	30	
Carbon disulfide	45		"	50.0		90.5	10-136		5.61	30	
Carbon tetrachloride	50		"	50.0		100	66-143		2.44	30	
Chlorobenzene	52		"	50.0		104	86-120		3.52	30	
Chloroethane	66		"	50.0		133	51-142		7.51	30	
Chloroform	52		"	50.0		104	76-131		6.90	30	
Chloromethane	55		"	50.0		110	49-132		7.37	30	
cis-1,2-Dichloroethylene	51		"	50.0		102	74-132		3.88	30	
cis-1,3-Dichloropropylene	55		"	50.0		109	81-129		1.05	30	
Cyclohexane	51		"	50.0		103	70-130		4.63	30	
Dibromochloromethane	58		"	50.0		116	10-200		4.50	30	
Dibromomethane	54		"	50.0		108	83-124		0.371	30	
Dichlorodifluoromethane	59		"	50.0		119	28-158		5.73	30	
Ethyl Benzene	52		"	50.0		103	84-125		1.38	30	
Hexachlorobutadiene	47		"	50.0		94.8	83-133		6.52	30	
Isopropylbenzene	50		"	50.0		101	81-127		3.77	30	
Methyl acetate	55		"	50.0		109	41-143		2.36	30	
Methyl tert-butyl ether (MTBE)	51		"	50.0		103	74-131		3.25	30	
Methylcyclohexane	56		"	50.0		112	70-130		4.76	30	
Methylene chloride	52		"	50.0		105	57-141		6.23	30	
n-Butylbenzene	51		"	50.0		102	80-130		4.03	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50305 - EPA 5035A											
LCS Dup (BH50305-BSD1)								Prepared & Analyzed: 08/07/2015			
n-Propylbenzene	49		ug/L	50.0		98.8	74-136		2.15	30	
o-Xylene	53		"	50.0		106	83-123		2.11	30	
p- & m- Xylenes	110		"	100		107	82-128		3.50	30	
p-Isopropyltoluene	49		"	50.0		98.6	85-125		4.97	30	
sec-Butylbenzene	49		"	50.0		98.1	83-125		6.72	30	
Styrene	51		"	50.0		102	86-126		1.98	30	
tert-Butyl alcohol (TBA)	60		"	50.0		121	70-130		3.74	30	
tert-Butylbenzene	50		"	50.0		99.2	80-127		2.59	30	
Tetrachloroethylene	57		"	50.0		113	80-129		2.37	30	
Toluene	53		"	50.0		106	85-121		2.91	30	
trans-1,2-Dichloroethylene	53		"	50.0		106	72-132		10.4	30	
trans-1,3-Dichloropropylene	56		"	50.0		112	78-132		1.26	30	
Trichloroethylene	54		"	50.0		108	84-123		2.41	30	
Trichlorofluoromethane	52		"	50.0		103	62-140		9.72	30	
Vinyl Chloride	67		"	50.0		134	52-130	High Bias	6.96	30	
Surrogate: 1,2-Dichloroethane-d4	*49.0*		*"*	*50.0*		*97.9*	*77-125*				
Surrogate: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				
Surrogate: p-Bromofluorobenzene	*47.6*		*"*	*50.0*		*95.2*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50400 - EPA 3550C											
Blank (BH50400-BLK1)											
1,1'-Biphenyl	ND	41.7	ug/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	83.3	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
1,2-Dichlorobenzene	ND	41.7	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
2,3,4,6-Tetrachlorophenol	ND	83.3	"								
2,4,5-Trichlorophenol	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
2,4-Dichlorophenol	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
2-Nitroaniline	ND	83.3	"								
2-Nitrophenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
3,3'-Dichlorobenzidine	ND	41.7	"								
3-Nitroaniline	ND	83.3	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
4-Nitroaniline	ND	83.3	"								
4-Nitrophenol	ND	83.3	"								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Acetophenone	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
Atrazine	ND	41.7	"								
Benzaldehyde	ND	41.7	"								
Benzidine	ND	167	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzoic acid	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								

Prepared & Analyzed: 08/11/2015

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50400 - EPA 3550C											
Blank (BH50400-BLK1)											
Prepared & Analyzed: 08/11/2015											
Caprolactam	ND	83.3	ug/kg wet								
Carbazole	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
Naphthalene	ND	41.7	"								
Nitrobenzene	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Surrogate: 2-Fluorophenol	*1620*		*"*	*2500*		*64.7*	*10-95*				
Surrogate: Phenol-d5	*1940*		*"*	*2510*		*77.5*	*10-107*				
Surrogate: Nitrobenzene-d5	*965*		*"*	*1670*		*57.6*	*10-95*				
Surrogate: 2-Fluorobiphenyl	*1060*		*"*	*1670*		*63.4*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*1390*		*"*	*2510*		*55.5*	*10-103*				
Surrogate: Terphenyl-d14	*1040*		*"*	*1670*		*62.3*	*19-99*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50400 - EPA 3550C											
LCS (BH50400-BS1)							Prepared & Analyzed: 08/11/2015				
1,1'-Biphenyl	475	41.7	ug/kg wet				22-103				
1,2,4,5-Tetrachlorobenzene	944	83.3	"	1670		56.6	10-144				
1,2,4-Trichlorobenzene	856	41.7	"	1670		51.4	23-130				
1,2-Dichlorobenzene	979	41.7	"	1670		58.8	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	1130	41.7	"	1670		67.6	10-140				
1,3-Dichlorobenzene	948	41.7	"	1670		56.9	32-113				
1,4-Dichlorobenzene	1010	41.7	"	1670		60.6	28-111				
2,3,4,6-Tetrachlorophenol	860	83.3	"	1670		51.6	30-130				
2,4,5-Trichlorophenol	981	41.7	"	1670		58.9	14-138				
2,4,6-Trichlorophenol	1010	41.7	"	1670		60.9	27-122				
2,4-Dichlorophenol	1080	41.7	"	1670		64.7	23-133				
2,4-Dimethylphenol	958	41.7	"	1670		57.5	15-131				
2,4-Dinitrophenol	983	83.3	"	1670		59.0	10-149				
2,4-Dinitrotoluene	1230	41.7	"	1670		74.0	30-123				
2,6-Dinitrotoluene	1280	41.7	"	1670		77.0	30-125				
2-Chloronaphthalene	1050	41.7	"	1670		62.9	22-115				
2-Chlorophenol	1080	41.7	"	1670		64.6	25-121				
2-Methylnaphthalene	966	41.7	"	1670		57.9	16-127				
2-Methylphenol	1100	41.7	"	1670		66.3	10-146				
2-Nitroaniline	1190	83.3	"	1670		71.5	24-126				
2-Nitrophenol	949	41.7	"	1670		56.9	17-129				
3- & 4-Methylphenols	877	41.7	"	1670		52.6	20-109				
3,3'-Dichlorobenzidine	2030	41.7	"	1670		122	10-147				
3-Nitroaniline	1350	83.3	"	1670		81.0	23-123				
4,6-Dinitro-2-methylphenol	1510	83.3	"	1670		90.3	10-149				
4-Bromophenyl phenyl ether	1100	41.7	"	1670		65.8	30-138				
4-Chloro-3-methylphenol	1070	41.7	"	1670		64.3	16-138				
4-Chloroaniline	1870	41.7	"	1670		112	10-117				
4-Chlorophenyl phenyl ether	1030	41.7	"	1670		62.1	18-132				
4-Nitroaniline	1310	83.3	"	1670		78.6	14-125				
4-Nitrophenol	990	83.3	"	1670		59.4	10-136				
Acenaphthene	1010	41.7	"	1670		60.7	17-124				
Acenaphthylene	1020	41.7	"	1670		61.0	16-124				
Acetophenone	523	41.7	"	1670		31.4	28-105				
Aniline	1450	167	"	1670		87.0	10-111				
Anthracene	1070	41.7	"	1670		64.2	24-124				
Atrazine	462	41.7	"	1670		27.7	22-120				
Benzaldehyde	431	41.7	"	1670		25.9	21-100				
Benzo(a)anthracene	1070	41.7	"	1670		64.1	25-134				
Benzo(a)pyrene	1330	41.7	"	1670		79.7	29-144				
Benzo(b)fluoranthene	1180	41.7	"	1670		70.5	20-151				
Benzo(g,h,i)perylene	2180	41.7	"	1670		131	10-153				
Benzo(k)fluoranthene	1150	41.7	"	1670		68.7	10-148				
Benzoic acid	667	41.7	"	1680		39.6	10-116				
Benzyl alcohol	1090	41.7	"	1670		65.4	17-128				
Benzyl butyl phthalate	1000	41.7	"	1670		60.2	10-132				
Bis(2-chloroethoxy)methane	1150	41.7	"	1670		69.2	10-129				
Bis(2-chloroethyl)ether	1030	41.7	"	1670		61.6	14-125				
Bis(2-chloroisopropyl)ether	984	41.7	"	1670		59.0	14-122				
Bis(2-ethylhexyl)phthalate	1230	41.7	"	1670		73.8	10-141				
Caprolactam	516	83.3	"	1670		31.0	10-123				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50400 - EPA 3550C											
LCS (BH50400-BS1)								Prepared & Analyzed: 08/11/2015			
Carbazole	1290	41.7	ug/kg wet	1670		77.4	31-120				
Chrysene	1120	41.7	"	1670		67.1	24-116				
Dibenzo(a,h)anthracene	2010	41.7	"	1670		121	17-147				
Dibenzofuran	1030	41.7	"	1670		61.7	23-123				
Diethyl phthalate	994	41.7	"	1670		59.6	23-122				
Dimethyl phthalate	1020	41.7	"	1670		61.3	28-127				
Di-n-butyl phthalate	1030	41.7	"	1670		61.9	19-123				
Di-n-octyl phthalate	1020	41.7	"	1670		61.4	10-132				
Fluoranthene	1100	41.7	"	1670		66.2	36-125				
Fluorene	1060	41.7	"	1670		63.6	16-130				
Hexachlorobenzene	1130	41.7	"	1670		68.0	10-129				
Hexachlorobutadiene	828	41.7	"	1670		49.7	22-153				
Hexachlorocyclopentadiene	24.0	41.7	"	1670		1.44	10-134	Low Bias			
Hexachloroethane	999	41.7	"	1670		59.9	20-112				
Indeno(1,2,3-cd)pyrene	1900	41.7	"	1670		114	10-155				
Isophorone	954	41.7	"	1670		57.2	14-131				
Naphthalene	966	41.7	"	1670		58.0	20-121				
Nitrobenzene	975	41.7	"	1670		58.5	20-121				
N-Nitrosodimethylamine	873	41.7	"	1670		52.4	10-124				
N-nitroso-di-n-propylamine	1020	41.7	"	1670		61.3	21-119				
N-Nitrosodiphenylamine	1260	41.7	"	1670		75.8	10-163				
Pentachlorophenol	727	41.7	"	1670		43.6	10-143				
Phenanthrene	1220	41.7	"	1670		73.0	24-123				
Phenol	1180	41.7	"	1670		71.1	15-123				
Pyrene	1080	41.7	"	1670		64.8	24-132				
Surrogate: 2-Fluorophenol	*1460*		"	*2500*		*58.5*	*10-95*				
Surrogate: Phenol-d5	*1550*		"	*2510*		*61.7*	*10-107*				
Surrogate: Nitrobenzene-d5	*869*		"	*1670*		*51.9*	*10-95*				
Surrogate: 2-Fluorobiphenyl	*820*		"	*1670*		*49.1*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*1400*		"	*2510*		*55.9*	*30-130*				
Surrogate: Terphenyl-d14	*907*		"	*1670*		*54.2*	*19-99*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50400 - EPA 3550C											
LCS Dup (BH50400-BSD1)								Prepared & Analyzed: 08/11/2015			
1,1'-Biphenyl	473	41.7	ug/kg wet				22-103		0.281	30	
1,2,4,5-Tetrachlorobenzene	1010	83.3	"	1670		60.7	10-144		6.95	30	
1,2,4-Trichlorobenzene	961	41.7	"	1670		57.7	23-130		11.6	30	
1,2-Dichlorobenzene	1030	41.7	"	1670		61.9	26-113		5.27	30	
1,2-Diphenylhydrazine (as Azobenzene)	1200	41.7	"	1670		72.3	10-140		6.60	30	
1,3-Dichlorobenzene	1040	41.7	"	1670		62.3	32-113		9.09	30	
1,4-Dichlorobenzene	1110	41.7	"	1670		66.3	28-111		8.98	30	
2,3,4,6-Tetrachlorophenol	944	83.3	"	1670		56.6	30-130		9.32	30	
2,4,5-Trichlorophenol	1080	41.7	"	1670		64.7	14-138		9.45	30	
2,4,6-Trichlorophenol	1070	41.7	"	1670		64.2	27-122		5.28	30	
2,4-Dichlorophenol	1150	41.7	"	1670		68.8	23-133		6.08	30	
2,4-Dimethylphenol	1080	41.7	"	1670		64.9	15-131		12.1	30	
2,4-Dinitrophenol	903	83.3	"	1670		54.2	10-149		8.48	30	
2,4-Dinitrotoluene	1330	41.7	"	1670		79.6	30-123		7.26	30	
2,6-Dinitrotoluene	1420	41.7	"	1670		85.1	30-125		9.97	30	
2-Chloronaphthalene	1110	41.7	"	1670		66.7	22-115		5.77	30	
2-Chlorophenol	1160	41.7	"	1670		69.9	25-121		7.85	30	
2-Methylnaphthalene	1080	41.7	"	1670		64.5	16-127		10.7	30	
2-Methylphenol	1160	41.7	"	1670		69.9	10-146		5.23	30	
2-Nitroaniline	1290	83.3	"	1670		77.7	24-126		8.26	30	
2-Nitrophenol	1110	41.7	"	1670		66.7	17-129		15.7	30	
3- & 4-Methylphenols	1180	41.7	"	1670		71.0	20-109		29.7	30	
3,3'-Dichlorobenzidine	2240	41.7	"	1670		134	10-147		9.71	30	
3-Nitroaniline	1560	83.3	"	1670		93.4	23-123		14.2	30	
4,6-Dinitro-2-methylphenol	1600	83.3	"	1670		96.0	10-149		6.14	30	
4-Bromophenyl phenyl ether	1160	41.7	"	1670		69.5	30-138		5.47	30	
4-Chloro-3-methylphenol	1200	41.7	"	1670		71.7	16-138		10.8	30	
4-Chloroaniline	2050	41.7	"	1670		123	10-117	High Bias	9.42	30	
4-Chlorophenyl phenyl ether	1140	41.7	"	1670		68.6	18-132		10.0	30	
4-Nitroaniline	1430	83.3	"	1670		85.6	14-125		8.53	30	
4-Nitrophenol	1040	83.3	"	1670		62.6	10-136		5.15	30	
Acenaphthene	1110	41.7	"	1670		66.4	17-124		9.06	30	
Acenaphthylene	1100	41.7	"	1670		66.0	16-124		7.97	30	
Acetophenone	501	41.7	"	1670		30.0	28-105		4.36	30	
Aniline	1560	167	"	1670		93.8	10-111		7.50	30	
Anthracene	1150	41.7	"	1670		68.8	24-124		6.98	30	
Atrazine	464	41.7	"	1670		27.9	22-120		0.504	30	
Benzaldehyde	450	41.7	"	1670		27.0	21-100		4.24	30	
Benzo(a)anthracene	1140	41.7	"	1670		68.4	25-134		6.55	30	
Benzo(a)pyrene	1490	41.7	"	1670		89.7	29-144		11.7	30	
Benzo(b)fluoranthene	1320	41.7	"	1670		79.0	20-151		11.4	30	
Benzo(g,h,i)perylene	2480	41.7	"	1670		149	10-153		12.8	30	
Benzo(k)fluoranthene	1200	41.7	"	1670		72.0	10-148		4.69	30	
Benzoic acid	590	41.7	"	1680		35.0	10-116		12.3	30	
Benzyl alcohol	1180	41.7	"	1670		70.7	17-128		7.70	30	
Benzyl butyl phthalate	1070	41.7	"	1670		64.2	10-132		6.43	30	
Bis(2-chloroethoxy)methane	1220	41.7	"	1670		73.3	10-129		5.73	30	
Bis(2-chloroethyl)ether	1070	41.7	"	1670		64.4	14-125		4.35	30	
Bis(2-chloroisopropyl)ether	1080	41.7	"	1670		64.8	14-122		9.31	30	
Bis(2-ethylhexyl)phthalate	1330	41.7	"	1670		80.0	10-141		8.09	30	
Caprolactam	564	83.3	"	1670		33.9	10-123		8.88	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50400 - EPA 3550C											
LCS Dup (BH50400-BSD1)								Prepared & Analyzed: 08/11/2015			
Carbazole	1370	41.7	ug/kg wet	1670		82.4	31-120		6.26	30	
Chrysene	1190	41.7	"	1670		71.2	24-116		5.84	30	
Dibenzo(a,h)anthracene	2270	41.7	"	1670		136	17-147		12.0	30	
Dibenzofuran	1120	41.7	"	1670		67.4	23-123		8.92	30	
Diethyl phthalate	1090	41.7	"	1670		65.5	23-122		9.40	30	
Dimethyl phthalate	1110	41.7	"	1670		66.7	28-127		8.34	30	
Di-n-butyl phthalate	1070	41.7	"	1670		64.4	19-123		3.96	30	
Di-n-octyl phthalate	1130	41.7	"	1670		67.8	10-132		9.82	30	
Fluoranthene	1180	41.7	"	1670		71.0	36-125		7.03	30	
Fluorene	1150	41.7	"	1670		69.1	16-130		8.28	30	
Hexachlorobenzene	1220	41.7	"	1670		73.2	10-129		7.28	30	
Hexachlorobutadiene	920	41.7	"	1670		55.2	22-153		10.6	30	
Hexachlorocyclopentadiene	31.3	41.7	"	1670		1.88	10-134	Low Bias	26.5	30	
Hexachloroethane	1110	41.7	"	1670		66.3	20-112		10.2	30	
Indeno(1,2,3-cd)pyrene	2180	41.7	"	1670		131	10-155		13.5	30	
Isophorone	1040	41.7	"	1670		62.5	14-131		8.72	30	
Naphthalene	1050	41.7	"	1670		63.0	20-121		8.36	30	
Nitrobenzene	1060	41.7	"	1670		63.7	20-121		8.54	30	
N-Nitrosodimethylamine	962	41.7	"	1670		57.7	10-124		9.67	30	
N-nitroso-di-n-propylamine	1110	41.7	"	1670		66.7	21-119		8.44	30	
N-Nitrosodiphenylamine	1350	41.7	"	1670		81.1	10-163		6.73	30	
Pentachlorophenol	883	41.7	"	1670		53.0	10-143		19.4	30	
Phenanthrene	1280	41.7	"	1670		76.7	24-123		4.92	30	
Phenol	1270	41.7	"	1670		76.3	15-123		7.06	30	
Pyrene	1160	41.7	"	1670		69.4	24-132		6.92	30	
Surrogate: 2-Fluorophenol	*1620*		"	*2500*		*64.8*	*10-95*				
Surrogate: Phenol-d5	*1630*		"	*2510*		*65.1*	*10-107*				
Surrogate: Nitrobenzene-d5	*994*		"	*1670*		*59.4*	*10-95*				
Surrogate: 2-Fluorobiphenyl	*891*		"	*1670*		*53.3*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*1450*		"	*2510*		*57.8*	*30-130*				
Surrogate: Terphenyl-d14	*969*		"	*1670*		*57.9*	*19-99*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50401 - EPA 3550C											
Blank (BH50401-BLK1)											
1,1'-Biphenyl	ND	41.7	ug/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	83.3	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
1,2-Dichlorobenzene	ND	41.7	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
2,3,4,6-Tetrachlorophenol	ND	83.3	"								
2,4,5-Trichlorophenol	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
2,4-Dichlorophenol	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
2-Nitroaniline	ND	83.3	"								
2-Nitrophenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
3,3'-Dichlorobenzidine	ND	41.7	"								
3-Nitroaniline	ND	83.3	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
4-Nitroaniline	ND	83.3	"								
4-Nitrophenol	ND	83.3	"								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Acetophenone	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
Atrazine	ND	41.7	"								
Benzaldehyde	ND	41.7	"								
Benzidine	ND	167	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzoic acid	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								

Prepared & Analyzed: 08/11/2015

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50401 - EPA 3550C											
Blank (BH50401-BLK1)											
Prepared & Analyzed: 08/11/2015											
Caprolactam	ND	83.3	ug/kg wet								
Carbazole	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
Naphthalene	ND	41.7	"								
Nitrobenzene	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Surrogate: 2-Fluorophenol	*1270*		*"*	*2500*		*50.6*	*10-95*				
Surrogate: Phenol-d5	*1300*		*"*	*2510*		*51.9*	*10-107*				
Surrogate: Nitrobenzene-d5	*674*		*"*	*1670*		*40.3*	*10-95*				
Surrogate: 2-Fluorobiphenyl	*800*		*"*	*1670*		*47.9*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*959*		*"*	*2510*		*38.2*	*10-103*				
Surrogate: Terphenyl-d14	*785*		*"*	*1670*		*46.9*	*19-99*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50450 - EPA 3550C											
Blank (BH50450-BLK1)											
Prepared & Analyzed: 08/12/2015											
1,1'-Biphenyl	ND	41.7	ug/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	83.3	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
1,2-Dichlorobenzene	ND	41.7	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
2,3,4,6-Tetrachlorophenol	ND	83.3	"								
2,4,5-Trichlorophenol	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
2,4-Dichlorophenol	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
2-Nitroaniline	ND	83.3	"								
2-Nitrophenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
3,3'-Dichlorobenzidine	ND	41.7	"								
3-Nitroaniline	ND	83.3	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
4-Nitroaniline	ND	83.3	"								
4-Nitrophenol	ND	83.3	"								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Acetophenone	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
Atrazine	ND	41.7	"								
Benzaldehyde	ND	41.7	"								
Benzidine	ND	167	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzoic acid	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50450 - EPA 3550C											
Blank (BH50450-BLK1)											Prepared & Analyzed: 08/12/2015
Caprolactam	ND	83.3	ug/kg wet								
Carbazole	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
Naphthalene	ND	41.7	"								
Nitrobenzene	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Surrogate: 2-Fluorophenol	*2160*		*"*	*2500*		*86.4*	*10-95*				
Surrogate: Phenol-d5	*1980*		*"*	*2510*		*78.8*	*10-107*				
Surrogate: Nitrobenzene-d5	*1230*		*"*	*1670*		*73.4*	*10-95*				
Surrogate: 2-Fluorobiphenyl	*1280*		*"*	*1670*		*76.6*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*2140*		*"*	*2510*		*85.4*	*10-103*				
Surrogate: Terphenyl-d14	*1460*		*"*	*1670*		*87.1*	*19-99*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50450 - EPA 3550C											
LCS (BH50450-BS1)								Prepared & Analyzed: 08/12/2015			
1,1'-Biphenyl	483	41.7	ug/kg wet				22-103				
1,2,4,5-Tetrachlorobenzene	1390	83.3	"	1670		83.5	10-144				
1,2,4-Trichlorobenzene	1190	41.7	"	1670		71.3	23-130				
1,2-Dichlorobenzene	1120	41.7	"	1670		67.1	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	1350	41.7	"	1670		81.1	10-140				
1,3-Dichlorobenzene	1120	41.7	"	1670		67.4	32-113				
1,4-Dichlorobenzene	1010	41.7	"	1670		60.4	28-111				
2,3,4,6-Tetrachlorophenol	3380	83.3	"	1670		203	30-130	High Bias			
2,4,5-Trichlorophenol	1460	41.7	"	1670		87.5	14-138				
2,4,6-Trichlorophenol	1400	41.7	"	1670		84.3	27-122				
2,4-Dichlorophenol	1390	41.7	"	1670		83.5	23-133				
2,4-Dimethylphenol	1350	41.7	"	1670		81.0	15-131				
2,4-Dinitrophenol	1160	83.3	"	1670		69.5	10-149				
2,4-Dinitrotoluene	1410	41.7	"	1670		84.9	30-123				
2,6-Dinitrotoluene	1430	41.7	"	1670		85.7	30-125				
2-Chloronaphthalene	1280	41.7	"	1670		77.0	22-115				
2-Chlorophenol	1230	41.7	"	1670		74.1	25-121				
2-Methylnaphthalene	1360	41.7	"	1670		81.7	16-127				
2-Methylphenol	1170	41.7	"	1670		70.4	10-146				
2-Nitroaniline	1360	83.3	"	1670		81.8	24-126				
2-Nitrophenol	1230	41.7	"	1670		73.6	17-129				
3- & 4-Methylphenols	1180	41.7	"	1670		71.0	20-109				
3,3'-Dichlorobenzidine	1600	41.7	"	1670		95.9	10-147				
3-Nitroaniline	1210	83.3	"	1670		72.5	23-123				
4,6-Dinitro-2-methylphenol	1470	83.3	"	1670		88.3	10-149				
4-Bromophenyl phenyl ether	1400	41.7	"	1670		84.2	30-138				
4-Chloro-3-methylphenol	1480	41.7	"	1670		89.1	16-138				
4-Chloroaniline	928	41.7	"	1670		55.7	10-117				
4-Chlorophenyl phenyl ether	1380	41.7	"	1670		83.0	18-132				
4-Nitroaniline	1350	83.3	"	1670		80.9	14-125				
4-Nitrophenol	1330	83.3	"	1670		79.6	10-136				
Acenaphthene	1370	41.7	"	1670		82.2	17-124				
Acenaphthylene	1290	41.7	"	1670		77.2	16-124				
Acetophenone	492	41.7	"	1670		29.5	28-105				
Aniline	1090	167	"	1670		65.3	10-111				
Anthracene	1400	41.7	"	1670		83.8	24-124				
Atrazine	569	41.7	"	1670		34.1	22-120				
Benzaldehyde	463	41.7	"	1670		27.8	21-100				
Benzo(a)anthracene	1380	41.7	"	1670		82.9	25-134				
Benzo(a)pyrene	1480	41.7	"	1670		89.0	29-144				
Benzo(b)fluoranthene	1420	41.7	"	1670		85.2	20-151				
Benzo(g,h,i)perylene	1180	41.7	"	1670		70.6	10-153				
Benzo(k)fluoranthene	1370	41.7	"	1670		82.4	10-148				
Benzoic acid	1800	41.7	"	1680		107	10-116				
Benzyl alcohol	1220	41.7	"	1670		73.0	17-128				
Benzyl butyl phthalate	1430	41.7	"	1670		85.7	10-132				
Bis(2-chloroethoxy)methane	1280	41.7	"	1670		76.5	10-129				
Bis(2-chloroethyl)ether	1070	41.7	"	1670		64.1	14-125				
Bis(2-chloroisopropyl)ether	1300	41.7	"	1670		78.0	14-122				
Bis(2-ethylhexyl)phthalate	1430	41.7	"	1670		85.7	10-141				
Caprolactam	821	83.3	"	1670		49.3	10-123				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50450 - EPA 3550C											
LCS (BH50450-BS1)							Prepared & Analyzed: 08/12/2015				
Carbazole	1370	41.7	ug/kg wet	1670		82.3	31-120				
Chrysene	1340	41.7	"	1670		80.7	24-116				
Dibenzo(a,h)anthracene	1120	41.7	"	1670		67.2	17-147				
Dibenzofuran	1340	41.7	"	1670		80.5	23-123				
Diethyl phthalate	1390	41.7	"	1670		83.3	23-122				
Dimethyl phthalate	1370	41.7	"	1670		82.4	28-127				
Di-n-butyl phthalate	1390	41.7	"	1670		83.5	19-123				
Di-n-octyl phthalate	1460	41.7	"	1670		87.8	10-132				
Fluoranthene	1400	41.7	"	1670		84.2	36-125				
Fluorene	1400	41.7	"	1670		84.3	16-130				
Hexachlorobenzene	1390	41.7	"	1670		83.4	10-129				
Hexachlorobutadiene	1280	41.7	"	1670		76.7	22-153				
Hexachlorocyclopentadiene	1450	41.7	"	1670		87.2	10-134				
Hexachloroethane	1070	41.7	"	1670		64.0	20-112				
Indeno(1,2,3-cd)pyrene	1110	41.7	"	1670		66.5	10-155				
Isophorone	1280	41.7	"	1670		77.1	14-131				
Naphthalene	1220	41.7	"	1670		73.1	20-121				
Nitrobenzene	1210	41.7	"	1670		72.8	20-121				
N-Nitrosodimethylamine	1150	41.7	"	1670		69.0	10-124				
N-nitroso-di-n-propylamine	1210	41.7	"	1670		72.7	21-119				
N-Nitrosodiphenylamine	1680	41.7	"	1670		101	10-163				
Pentachlorophenol	1740	41.7	"	1670		104	10-143				
Phenanthrene	1420	41.7	"	1670		85.2	24-123				
Phenol	1220	41.7	"	1670		73.3	15-123				
Pyrene	1430	41.7	"	1670		86.0	24-132				
Surrogate: 2-Fluorophenol	*2250*		"	*2500*		*89.9*	*10-95*				
Surrogate: Phenol-d5	*2010*		"	*2510*		*80.0*	*10-107*				
Surrogate: Nitrobenzene-d5	*1300*		"	*1670*		*77.9*	*10-95*				
Surrogate: 2-Fluorobiphenyl	*1340*		"	*1670*		*80.2*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*2250*		"	*2510*		*89.8*	*30-130*				
Surrogate: Terphenyl-d14	*1480*		"	*1670*		*88.7*	*19-99*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50450 - EPA 3550C											
LCS Dup (BH50450-BSD1)								Prepared & Analyzed: 08/12/2015			
1,1'-Biphenyl	416	41.7	ug/kg wet				22-103		14.8	30	
1,2,4,5-Tetrachlorobenzene	1180	83.3	"	1670		70.5	10-144		16.9	30	
1,2,4-Trichlorobenzene	1020	41.7	"	1670		61.4	23-130		14.9	30	
1,2-Dichlorobenzene	925	41.7	"	1670		55.5	26-113		19.0	30	
1,2-Diphenylhydrazine (as Azobenzene)	1120	41.7	"	1670		67.4	10-140		18.4	30	
1,3-Dichlorobenzene	957	41.7	"	1670		57.4	32-113		15.9	30	
1,4-Dichlorobenzene	829	41.7	"	1670		49.8	28-111		19.4	30	
2,3,4,6-Tetrachlorophenol	3060	83.3	"	1670		184	30-130	High Bias	9.84	30	
2,4,5-Trichlorophenol	1180	41.7	"	1670		71.0	14-138		20.8	30	
2,4,6-Trichlorophenol	1210	41.7	"	1670		72.6	27-122		14.8	30	
2,4-Dichlorophenol	1160	41.7	"	1670		69.8	23-133		17.8	30	
2,4-Dimethylphenol	1150	41.7	"	1670		68.7	15-131		16.4	30	
2,4-Dinitrophenol	980	83.3	"	1670		58.8	10-149		16.6	30	
2,4-Dinitrotoluene	1230	41.7	"	1670		73.9	30-123		13.9	30	
2,6-Dinitrotoluene	1230	41.7	"	1670		74.0	30-125		14.6	30	
2-Chloronaphthalene	1050	41.7	"	1670		63.1	22-115		19.8	30	
2-Chlorophenol	1050	41.7	"	1670		62.8	25-121		16.5	30	
2-Methylnaphthalene	1160	41.7	"	1670		69.8	16-127		15.7	30	
2-Methylphenol	957	41.7	"	1670		57.4	10-146		20.3	30	
2-Nitroaniline	1180	83.3	"	1670		70.7	24-126		14.6	30	
2-Nitrophenol	1050	41.7	"	1670		63.0	17-129		15.5	30	
3- & 4-Methylphenols	979	41.7	"	1670		58.7	20-109		18.9	30	
3,3'-Dichlorobenzidine	1430	41.7	"	1670		85.9	10-147		11.1	30	
3-Nitroaniline	1020	83.3	"	1670		61.3	23-123		16.8	30	
4,6-Dinitro-2-methylphenol	1170	83.3	"	1670		70.0	10-149		23.1	30	
4-Bromophenyl phenyl ether	1180	41.7	"	1670		71.1	30-138		16.8	30	
4-Chloro-3-methylphenol	1200	41.7	"	1670		72.2	16-138		21.0	30	
4-Chloroaniline	836	41.7	"	1670		50.1	10-117		10.5	30	
4-Chlorophenyl phenyl ether	1180	41.7	"	1670		70.8	18-132		15.9	30	
4-Nitroaniline	1100	83.3	"	1670		65.9	14-125		20.5	30	
4-Nitrophenol	1110	83.3	"	1670		66.8	10-136		17.5	30	
Acenaphthene	1130	41.7	"	1670		68.0	17-124		18.9	30	
Acenaphthylene	1090	41.7	"	1670		65.2	16-124		16.9	30	
Acetophenone	430	41.7	"	1670		25.8	28-105	Low Bias	13.5	30	
Aniline	913	167	"	1670		54.8	10-111		17.6	30	
Anthracene	1160	41.7	"	1670		69.5	24-124		18.7	30	
Atrazine	503	41.7	"	1670		30.2	22-120		12.2	30	
Benzaldehyde	411	41.7	"	1670		24.7	21-100		12.0	30	
Benzo(a)anthracene	1190	41.7	"	1670		71.3	25-134		15.0	30	
Benzo(a)pyrene	1270	41.7	"	1670		76.0	29-144		15.7	30	
Benzo(b)fluoranthene	1200	41.7	"	1670		72.1	20-151		16.7	30	
Benzo(g,h,i)perylene	1020	41.7	"	1670		61.5	10-153		13.8	30	
Benzo(k)fluoranthene	1190	41.7	"	1670		71.6	10-148		14.0	30	
Benzoic acid	1350	41.7	"	1680		80.2	10-116		28.8	30	
Benzyl alcohol	1010	41.7	"	1670		60.5	17-128		18.8	30	
Benzyl butyl phthalate	1240	41.7	"	1670		74.1	10-132		14.5	30	
Bis(2-chloroethoxy)methane	1050	41.7	"	1670		63.1	10-129		19.2	30	
Bis(2-chloroethyl)ether	895	41.7	"	1670		53.7	14-125		17.6	30	
Bis(2-chloroisopropyl)ether	1090	41.7	"	1670		65.6	14-122		17.4	30	
Bis(2-ethylhexyl)phthalate	1240	41.7	"	1670		74.1	10-141		14.5	30	
Caprolactam	695	83.3	"	1670		41.7	10-123		16.7	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50450 - EPA 3550C											
LCS Dup (BH50450-BSD1)							Prepared & Analyzed: 08/12/2015				
Carbazole	1160	41.7	ug/kg wet	1670		69.4	31-120		17.1	30	
Chrysene	1160	41.7	"	1670		69.5	24-116		14.8	30	
Dibenzo(a,h)anthracene	994	41.7	"	1670		59.7	17-147		11.8	30	
Dibenzofuran	1130	41.7	"	1670		67.9	23-123		16.9	30	
Diethyl phthalate	1180	41.7	"	1670		71.1	23-122		15.9	30	
Dimethyl phthalate	1180	41.7	"	1670		70.5	28-127		15.5	30	
Di-n-butyl phthalate	1190	41.7	"	1670		71.7	19-123		15.3	30	
Di-n-octyl phthalate	1260	41.7	"	1670		75.4	10-132		15.2	30	
Fluoranthene	1190	41.7	"	1670		71.5	36-125		16.3	30	
Fluorene	1160	41.7	"	1670		69.8	16-130		18.8	30	
Hexachlorobenzene	1170	41.7	"	1670		70.5	10-129		16.8	30	
Hexachlorobutadiene	1090	41.7	"	1670		65.3	22-153		16.1	30	
Hexachlorocyclopentadiene	1060	41.7	"	1670		63.9	10-134		30.9	30	Non-dir.
Hexachloroethane	932	41.7	"	1670		55.9	20-112		13.4	30	
Indeno(1,2,3-cd)pyrene	936	41.7	"	1670		56.2	10-155		16.9	30	
Isophorone	1080	41.7	"	1670		64.6	14-131		17.5	30	
Naphthalene	1030	41.7	"	1670		62.0	20-121		16.4	30	
Nitrobenzene	1010	41.7	"	1670		60.8	20-121		18.0	30	
N-Nitrosodimethylamine	936	41.7	"	1670		56.2	10-124		20.5	30	
N-nitroso-di-n-propylamine	1020	41.7	"	1670		61.2	21-119		17.1	30	
N-Nitrosodiphenylamine	1410	41.7	"	1670		84.3	10-163		18.0	30	
Pentachlorophenol	1380	41.7	"	1670		82.7	10-143		23.0	30	
Phenanthrene	1200	41.7	"	1670		72.1	24-123		16.6	30	
Phenol	1010	41.7	"	1670		60.5	15-123		19.1	30	
Pyrene	1230	41.7	"	1670		74.1	24-132		14.9	30	
Surrogate: 2-Fluorophenol	*1800*		"	*2500*		*72.1*	*10-95*				
Surrogate: Phenol-d5	*1680*		"	*2510*		*67.2*	*10-107*				
Surrogate: Nitrobenzene-d5	*1090*		"	*1670*		*65.4*	*10-95*				
Surrogate: 2-Fluorobiphenyl	*1110*		"	*1670*		*66.5*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*1900*		"	*2510*		*75.7*	*30-130*				
Surrogate: Terphenyl-d14	*1280*		"	*1670*		*76.3*	*19-99*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50363 - EPA 3545A											
Blank (BH50363-BLK1)											Prepared: 08/10/2015 Analyzed: 08/11/2015
4,4'-DDD	ND	0.495	ug/kg wet								
4,4'-DDE	ND	0.495	"								
4,4'-DDT	ND	0.495	"								
Aldrin	ND	0.495	"								
alpha-BHC	ND	0.495	"								
alpha-Chlordane	ND	0.495	"								
beta-BHC	ND	0.495	"								
Chlordane, total	ND	19.8	"								
delta-BHC	ND	0.495	"								
Dieldrin	ND	0.495	"								
Endosulfan I	ND	0.495	"								
Endosulfan II	ND	0.495	"								
Endosulfan sulfate	ND	0.495	"								
Endrin	ND	0.495	"								
Endrin aldehyde	ND	0.495	"								
Endrin ketone	ND	0.495	"								
gamma-BHC (Lindane)	ND	0.495	"								
gamma-Chlordane	ND	0.495	"								
Heptachlor	ND	0.495	"								
Heptachlor epoxide	ND	0.495	"								
Methoxychlor	ND	2.48	"								
Toxaphene	ND	25.0	"								
Surrogate: Tetrachloro-m-xylene	*75.1*		*"*	*100*		*74.7*	*30-140*				
Surrogate: Decachlorobiphenyl	*64.6*		*"*	*104*		*62.4*	*30-140*				
LCS (BH50363-BS1)											Prepared: 08/10/2015 Analyzed: 08/11/2015
4,4'-DDD	39.5	0.495	ug/kg wet	50.0		79.0	40-140				
4,4'-DDE	39.6	0.495	"	50.0		79.2	40-140				
4,4'-DDT	44.3	0.495	"	50.0		88.7	40-140				
Aldrin	33.9	0.495	"	50.0		67.7	40-140				
alpha-BHC	38.5	0.495	"	50.0		77.0	40-140				
alpha-Chlordane	33.4	0.495	"	50.0		66.8	40-140				
beta-BHC	35.9	0.495	"	50.0		71.8	40-140				
delta-BHC	39.0	0.495	"	50.0		77.9	40-140				
Dieldrin	34.2	0.495	"	50.0		68.5	40-140				
Endosulfan I	32.9	0.495	"	50.0		65.7	40-140				
Endosulfan II	33.3	0.495	"	50.0		66.7	40-140				
Endosulfan sulfate	34.5	0.495	"	50.0		69.0	40-140				
Endrin	36.0	0.495	"	50.0		72.1	40-140				
Endrin aldehyde	31.0	0.495	"	50.0		62.1	40-140				
Endrin ketone	35.2	0.495	"	50.0		70.5	40-140				
gamma-BHC (Lindane)	36.6	0.495	"	50.0		73.2	40-140				
gamma-Chlordane	33.9	0.495	"	50.0		67.7	40-140				
Heptachlor	33.3	0.495	"	50.0		66.6	40-140				
Heptachlor epoxide	33.1	0.495	"	50.0		66.2	40-140				
Methoxychlor	44.5	2.48	"	50.0		89.0	40-140				
Surrogate: Tetrachloro-m-xylene	*69.9*		*"*	*100*		*69.6*	*30-140*				
Surrogate: Decachlorobiphenyl	*60.0*		*"*	*104*		*58.0*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50363 - EPA 3545A											
LCS Dup (BH50363-BSD1)									Prepared: 08/10/2015 Analyzed: 08/11/2015		
4,4'-DDD	44.9	0.495	ug/kg wet	50.0		89.8	40-140		12.8	30	
4,4'-DDE	46.1	0.495	"	50.0		92.1	40-140		15.0	30	
4,4'-DDT	51.5	0.495	"	50.0		103	40-140		14.9	30	
Aldrin	38.9	0.495	"	50.0		77.7	40-140		13.7	30	
alpha-BHC	44.1	0.495	"	50.0		88.1	40-140		13.5	30	
alpha-Chlordane	38.0	0.495	"	50.0		76.0	40-140		12.9	30	
beta-BHC	41.2	0.495	"	50.0		82.4	40-140		13.8	30	
delta-BHC	44.5	0.495	"	50.0		89.0	40-140		13.2	30	
Dieldrin	38.7	0.495	"	50.0		77.5	40-140		12.3	30	
Endosulfan I	37.1	0.495	"	50.0		74.2	40-140		12.1	30	
Endosulfan II	37.6	0.495	"	50.0		75.1	40-140		11.9	30	
Endosulfan sulfate	39.2	0.495	"	50.0		78.3	40-140		12.6	30	
Endrin	41.5	0.495	"	50.0		82.9	40-140		14.0	30	
Endrin aldehyde	34.0	0.495	"	50.0		68.0	40-140		9.10	30	
Endrin ketone	39.7	0.495	"	50.0		79.3	40-140		11.8	30	
gamma-BHC (Lindane)	41.9	0.495	"	50.0		83.7	40-140		13.4	30	
gamma-Chlordane	38.5	0.495	"	50.0		77.1	40-140		12.9	30	
Heptachlor	38.1	0.495	"	50.0		76.2	40-140		13.4	30	
Heptachlor epoxide	37.0	0.495	"	50.0		74.1	40-140		11.3	30	
Methoxychlor	50.2	2.48	"	50.0		100	40-140		12.0	30	
Surrogate: Tetrachloro-m-xylene	*85.7*		*"*	*100*		*85.3*	*30-140*				
Surrogate: Decachlorobiphenyl	*74.0*		*"*	*104*		*71.5*	*30-140*				
Matrix Spike (BH50363-MS1)	*Source sample: 15H0190-06 (SB-04 (0-2))								Prepared: 08/10/2015 Analyzed: 08/11/2015		
4,4'-DDD	68.2	2.63	ug/kg dry	53.1	ND	128	30-150				
4,4'-DDE	55.2	2.63	"	53.1	ND	104	30-150				
4,4'-DDT	77.5	2.63	"	53.1	ND	146	30-150				
Aldrin	35.3	2.63	"	53.1	ND	66.5	30-150				
alpha-BHC	57.0	2.63	"	53.1	ND	107	30-150				
alpha-Chlordane	45.0	2.63	"	53.1	ND	84.7	30-150				
beta-BHC	57.1	2.63	"	53.1	ND	108	30-150				
delta-BHC	57.2	2.63	"	53.1	ND	108	30-150				
Dieldrin	50.6	2.63	"	53.1	ND	95.2	30-150				
Endosulfan I	44.7	2.63	"	53.1	ND	84.2	30-150				
Endosulfan II	49.2	2.63	"	53.1	ND	92.6	30-150				
Endosulfan sulfate	34.4	2.63	"	53.1	ND	64.8	30-150				
Endrin	57.9	2.63	"	53.1	ND	109	30-150				
Endrin aldehyde	49.1	2.63	"	53.1	ND	92.4	30-150				
Endrin ketone	52.6	2.63	"	53.1	ND	99.0	30-150				
gamma-BHC (Lindane)	55.4	2.63	"	53.1	ND	104	30-150				
gamma-Chlordane	47.7	2.63	"	53.1	ND	89.8	30-150				
Heptachlor	49.2	2.63	"	53.1	ND	92.6	30-150				
Heptachlor epoxide	50.9	2.63	"	53.1	ND	95.8	30-150				
Methoxychlor	69.1	13.1	"	53.1	ND	130	30-150				
Surrogate: Tetrachloro-m-xylene	*73.6*		*"*	*107*		*69.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*95.7*		*"*	*110*		*87.0*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50495 - EPA 3550C											
Blank (BH50495-BLK1)											Prepared: 08/12/2015 Analyzed: 08/13/2015
4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	13.2	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
gamma-Chlordane	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
Surrogate: Tetrachloro-m-xylene	*44.8*		*"*	*67.0*		*66.9*	*30-140*				
Surrogate: Decachlorobiphenyl	*46.2*		*"*	*69.0*		*67.0*	*30-140*				
LCS (BH50495-BS1)											Prepared: 08/12/2015 Analyzed: 08/13/2015
4,4'-DDD	33.1	0.330	ug/kg wet	33.3		99.3	40-140				
4,4'-DDE	31.6	0.330	"	33.3		94.9	40-140				
4,4'-DDT	33.4	0.330	"	33.3		100	40-140				
Aldrin	25.6	0.330	"	33.3		76.9	40-140				
alpha-BHC	29.1	0.330	"	33.3		87.3	40-140				
alpha-Chlordane	24.6	0.330	"	33.3		73.8	40-140				
beta-BHC	27.9	0.330	"	33.3		83.6	40-140				
delta-BHC	30.2	0.330	"	33.3		90.6	40-140				
Dieldrin	25.6	0.330	"	33.3		76.8	40-140				
Endosulfan I	23.6	0.330	"	33.3		70.9	40-140				
Endosulfan II	24.0	0.330	"	33.3		72.0	40-140				
Endosulfan sulfate	25.4	0.330	"	33.3		76.2	40-140				
Endrin	27.8	0.330	"	33.3		83.5	40-140				
Endrin aldehyde	24.8	0.330	"	33.3		74.3	40-140				
Endrin ketone	28.1	0.330	"	33.3		84.3	40-140				
gamma-BHC (Lindane)	28.2	0.330	"	33.3		84.5	40-140				
gamma-Chlordane	24.9	0.330	"	33.3		74.8	40-140				
Heptachlor	24.8	0.330	"	33.3		74.5	40-140				
Heptachlor epoxide	24.9	0.330	"	33.3		74.6	40-140				
Methoxychlor	33.5	1.65	"	33.3		101	40-140				
Surrogate: Tetrachloro-m-xylene	*51.6*		*"*	*67.0*		*77.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*52.5*		*"*	*69.0*		*76.1*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50495 - EPA 3550C											
LCS Dup (BH50495-BSD1)									Prepared: 08/12/2015 Analyzed: 08/13/2015		
4,4'-DDD	32.6	0.330	ug/kg wet	33.3		97.9	40-140		1.47	30	
4,4'-DDE	31.0	0.330	"	33.3		93.0	40-140		2.00	30	
4,4'-DDT	32.9	0.330	"	33.3		98.8	40-140		1.42	30	
Aldrin	24.8	0.330	"	33.3		74.5	40-140		3.13	30	
alpha-BHC	28.1	0.330	"	33.3		84.2	40-140		3.56	30	
alpha-Chlordane	24.1	0.330	"	33.3		72.3	40-140		2.05	30	
beta-BHC	27.4	0.330	"	33.3		82.1	40-140		1.84	30	
delta-BHC	29.7	0.330	"	33.3		89.0	40-140		1.85	30	
Dieldrin	25.2	0.330	"	33.3		75.5	40-140		1.64	30	
Endosulfan I	23.2	0.330	"	33.3		69.7	40-140		1.69	30	
Endosulfan II	23.8	0.330	"	33.3		71.4	40-140		0.717	30	
Endosulfan sulfate	25.2	0.330	"	33.3		75.6	40-140		0.861	30	
Endrin	27.3	0.330	"	33.3		82.0	40-140		1.90	30	
Endrin aldehyde	24.4	0.330	"	33.3		73.3	40-140		1.30	30	
Endrin ketone	27.9	0.330	"	33.3		83.6	40-140		0.804	30	
gamma-BHC (Lindane)	27.4	0.330	"	33.3		82.1	40-140		2.94	30	
gamma-Chlordane	24.4	0.330	"	33.3		73.3	40-140		2.12	30	
Heptachlor	23.9	0.330	"	33.3		71.7	40-140		3.80	30	
Heptachlor epoxide	24.3	0.330	"	33.3		72.8	40-140		2.39	30	
Methoxychlor	32.8	1.65	"	33.3		98.5	40-140		2.14	30	
Surrogate: Tetrachloro-m-xylene	*48.0*		*"*	*67.0*		*71.6*	*30-140*				
Surrogate: Decachlorobiphenyl	*49.9*		*"*	*69.0*		*72.3*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50363 - EPA 3545A											
Blank (BH50363-BLK1)								Prepared: 08/10/2015 Analyzed: 08/11/2015			
Aroclor 1016	ND	0.0250	mg/kg wet								
Aroclor 1221	ND	0.0250	"								
Aroclor 1232	ND	0.0250	"								
Aroclor 1242	ND	0.0250	"								
Aroclor 1248	ND	0.0250	"								
Aroclor 1254	ND	0.0250	"								
Aroclor 1260	ND	0.0250	"								
Total PCBs	ND	0.0250	"								
Surrogate: Tetrachloro-m-xylene	*0.0755*		*"*	*0.100*		*75.1*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0750*		*"*	*0.104*		*72.5*	*30-140*				
LCS (BH50363-BS2)								Prepared: 08/10/2015 Analyzed: 08/11/2015			
Aroclor 1016	0.493	0.0250	mg/kg wet	0.500		98.6	40-130				
Aroclor 1260	0.536	0.0250	"	0.500		107	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0955*		*"*	*0.100*		*95.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0920*		*"*	*0.104*		*88.9*	*30-140*				
LCS Dup (BH50363-BSD2)								Prepared: 08/10/2015 Analyzed: 08/11/2015			
Aroclor 1016	0.494	0.0250	mg/kg wet	0.500		98.7	40-130		0.101	25	
Aroclor 1260	0.534	0.0250	"	0.500		107	40-130		0.467	25	
Surrogate: Tetrachloro-m-xylene	*0.0945*		*"*	*0.100*		*94.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0945*		*"*	*0.104*		*91.3*	*30-140*				
Batch BH50495 - EPA 3550C											
Blank (BH50495-BLK1)								Prepared: 08/12/2015 Analyzed: 08/13/2015			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0500*		*"*	*0.0670*		*74.6*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0473*		*"*	*0.0690*		*68.6*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50495 - EPA 3550C											
LCS (BH50495-BS2)											
Prepared: 08/12/2015 Analyzed: 08/13/2015											
Aroclor 1016	0.317	0.0167	mg/kg wet	0.333		95.0	40-130				
Aroclor 1260	0.313	0.0167	"	0.333		94.0	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0570*		*"*	*0.0670*		*85.1*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0590*		*"*	*0.0690*		*85.5*	*30-140*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50353 - EPA 3050B											
Blank (BH50353-BLK1)									Prepared & Analyzed: 08/10/2015		
Aluminum	19.5	5.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	27.6	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								
Duplicate (BH50353-DUP1)	*Source sample: 15H0190-01 (SB-01 (0-2))								Prepared & Analyzed: 08/10/2015		
Aluminum	12800	6.47	mg/kg dry		12900				1.18	35	
Antimony	ND	0.647	"		ND					35	
Arsenic	3.95	1.29	"		4.31				8.78	35	
Barium	230	1.29	"		228				0.916	35	
Beryllium	ND	0.129	"		ND					35	
Cadmium	ND	0.388	"		ND					35	
Calcium	1720	6.47	"		1710				0.632	35	
Chromium	31.2	0.647	"		31.0				0.583	35	
Cobalt	11.2	0.647	"		11.2				0.286	35	
Copper	38.1	0.647	"		37.9				0.417	35	
Iron	21400	2.59	"		21100				1.32	35	
Lead	88.5	0.388	"		88.0				0.586	35	
Magnesium	3760	6.47	"		3710				1.40	35	
Manganese	443	0.647	"		438				1.05	35	
Nickel	23.2	0.647	"		23.3				0.632	35	
Potassium	1920	6.47	"		1920				0.362	35	
Selenium	2.15	1.29	"		ND					35	
Silver	ND	0.647	"		ND					35	
Sodium	343	12.9	"		359				4.52	35	
Thallium	ND	1.29	"		ND					35	
Vanadium	36.3	1.29	"		36.2				0.362	35	
Zinc	95.1	1.29	"		93.9				1.20	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50353 - EPA 3050B											
Matrix Spike (BH50353-MS1)	*Source sample: 15H0190-01 (SB-01 (0-2))							Prepared & Analyzed: 08/10/2015			
Aluminum	13100	6.47	mg/kg dry	259	12900	89.8	75-125				
Antimony	37.2	0.647	"	32.4	ND	115	75-125				
Arsenic	273	1.29	"	259	4.31	104	75-125				
Barium	499	1.29	"	259	228	105	75-125				
Beryllium	4.02	0.129	"	6.47	ND	62.1	75-125	Low Bias			
Cadmium	7.25	0.388	"	6.47	ND	112	75-125				
Chromium	57.4	0.647	"	25.9	31.0	102	75-125				
Cobalt	81.4	0.647	"	64.7	11.2	108	75-125				
Copper	71.8	0.647	"	32.4	37.9	105	75-125				
Iron	21400	2.59	"	129	21100	242	75-125	High Bias			
Lead	157	0.388	"	64.7	88.0	107	75-125				
Magnesium	3760	6.47	"		3710		75-125				
Manganese	504	0.647	"	64.7	438	102	75-125				
Nickel	94.9	0.647	"	64.7	23.3	111	75-125				
Potassium	1930	6.47	"		1920		75-125				
Selenium	271	1.29	"	259	ND	105	75-125				
Silver	ND	0.647	"	6.47	ND		75-125	Low Bias			
Sodium	347	12.9	"		359		75-125				
Thallium	244	1.29	"	259	ND	94.4	75-125				
Vanadium	101	1.29	"	64.7	36.2	101	75-125				
Zinc	166	1.29	"	64.7	93.9	112	75-125				
Reference (BH50353-SRM1)								Prepared & Analyzed: 08/10/2015			
Aluminum	7080	5.00	mg/kg wet	8100		87.4	39.6-160.5				
Antimony	89.8	0.500	"	116		77.4	55.7-252.6				
Arsenic	114	1.00	"	122		93.7	70-145.1				
Barium	161	1.00	"	167		96.3	73.1-126.9				
Beryllium	50.4	0.100	"	54.3		92.8	73.1-127.1				
Cadmium	83.4	0.300	"	88.0		94.8	73.3-127.3				
Calcium	5540	5.00	"	5920		93.5	73.6-126.4				
Chromium	94.0	0.500	"	102		92.2	69.4-130.4				
Cobalt	95.8	0.500	"	99.4		96.4	74.3-125.8				
Copper	75.9	0.500	"	78.0		97.3	73.7-132.1				
Iron	13300	2.00	"	15100		87.8	37.1-162.9				
Lead	91.3	0.300	"	94.5		96.6	70.5-129				
Magnesium	2770	5.00	"	3020		91.9	65.9-133.8				
Manganese	400	0.500	"	401		99.7	76.1-132.9				
Nickel	57.9	0.500	"	56.3		103	69.8-130				
Potassium	2290	5.00	"	2490		91.9	60.6-139.4				
Selenium	146	1.00	"	157		92.7	67.5-131.8				
Silver	28.8	0.500	"	34.2		84.1	65.5-134.2				
Sodium	246	10.0	"	246		100	32-170				
Thallium	81.1	1.00	"	116		69.9	67.4-132.7				
Vanadium	60.0	1.00	"	67.1		89.4	57.8-192.3				
Zinc	191	1.00	"	207		92.2	70-130.4				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50298 - EPA 7473 soil											
Blank (BH50298-BLK1)									Prepared & Analyzed: 08/07/2015		
Mercury	ND	0.0300	mg/kg wet								
Reference (BH50298-SRM1)									Prepared & Analyzed: 08/07/2015		
Mercury	5.0844		mg/kg	5.76		88.3	71.2-129				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH50280 - % Solids Prep											
Duplicate (BH50280-DUP1)	*Source sample: 15H0190-06 (SB-04 (0-2))								Prepared & Analyzed: 08/07/2015		
% Solids	95.1	0.100	%		94.2				0.955	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15H0190-01	SB-01 (0-2)	40mL Vial with Stir Bar-Cool 4° C
15H0190-02	SB-01 (12-14)	40mL Vial with Stir Bar-Cool 4° C
15H0190-03	SB-02 (0-2)	40mL Vial with Stir Bar-Cool 4° C
15H0190-04	SB-03 (0-2)	40mL Vial with Stir Bar-Cool 4° C
15H0190-05	SB-03 (8-10)	40mL Vial with Stir Bar-Cool 4° C
15H0190-06	SB-04 (0-2)	40mL Vial with Stir Bar-Cool 4° C
15H0190-07	SB-04 (8-10)	40mL Vial with Stir Bar-Cool 4° C
15H0190-08	SB-05 (0-2)	40mL Vial with Stir Bar-Cool 4° C
15H0190-09	SB-05 (12-14)	40mL Vial with Stir Bar-Cool 4° C
15H0190-10	SB-06 (0-2)	40mL Vial with Stir Bar-Cool 4° C
15H0190-11	SB-06 (12-14)	40mL Vial with Stir Bar-Cool 4° C
15H0190-12	SB-07 (0-2)	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-MISpk	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.
M-HCSpk	Sample conc. >10 X spike conc.
M-DB	Analyte in Method Blank >MDL. Sample conc. >10 X blank conc.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
GC-Surr	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
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.

---

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
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.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK
ANALYTICAL LABORATORIES, INC.

120 Research Dr. Stratford, CT 06615
(203) 325-1371 Fax (203) 357-0166

Field Chain-of-Custody Record

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

York Project No. 15H0190

Client Information	Report to:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: Ecosystems Strategies	SAME [X]	SAME [X]	HB15073	RUSH Same Day ___	Summary X
Address: 24 Davis Ave	Name:	Name: Brenda		RUSH Next Day ___	QA/QC Summary ___
Poughkeepsie, NY	Company:	Company:		RUSH Two Day ___	CT RCP Pkg ___
Phone no.: 845-452-1658	Address:	Address:	Purchase Order no.	RUSH Three Day ___	ASP A Pkg ___
Contact Person: Adam			HB15073_50	RUSH Four Day ___	ASP B Pkg ___
E-mail Addr.:	E-mail:	E-mail		Standard (5-7 days) X	Excel ___
FAX No.:	Fax No.:	Fax No.:	Samples from: CT__ NY X NJ__	OTHER	EDD ___

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.

Samples Collected/Authorized By (Signature)

A. Atkinson
Name (printed)

Matrix Codes
S - soil
Other - specify (oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082 PCB	RCRA8	TPH GRO	Pri. Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	608 Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151 Herb	TAL	CT ETPH	TAL Metals	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360 Metals	Heteromorphs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360 Volatiles	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Info. Metals	Air STARS	Part 360 Semi-volatiles	BTUlb	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Ig. Pt. As. Cr.	Air VPH	Part 360 Pesticides	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr,Pb,Ni,Fe,	Air TICs	NYCRR Part 375	TOC	FOG	TotalSolids
App IX	502.2	SPLP or TCLP	608 Pest	Sc,Tl,Sn,Cu,	Methane	NYSDEC Part 375	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Ni,Mn,Ag,Zn,	Ethane	TAGM	Silica	MBAS	TPH-IR

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-01 (0-2)	8-5-2015	S	VOCs; SVOCs; Pest/PCBs; TAL metals	(1) VOA (1) 4oz
SB-01 (12-14)				
SB-02 (0-2)				
SB-03 (0-2)				
SB-03 (8-10)				
SB-04 (0-2)				
SB-04 (8-16)				
SB-05 (0-2)				
SB-05 (12-14)				
SB-06 (0-2)				

Comments

Preservation "X" those applicable

Cool 4°C ___ HNO3 ___ H2SO4 ___ NaOH ___ NONE ___ FROZEN ___

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
	8-6-2015		8-6-15 11:45
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
			8/6/15 1545

Temperature on Receipt 3.3°C

YORK ANALYTICAL LABORATORIES, INC.

120 Research Dr. Stratford, CT 06615
(203) 325-1371 Fax (203) 357-0166

Field Chain-of-Custody Record

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

York Project No. 15H0190

Client Information

Company: Ecosystems Strategies
Address: 24 Davis Ave
Poughkeepsie, NY
Phone no.: 845-452-1658
Contact Person: Adam
E-mail Addr.:
FAX No.:

Report to:

SAME [X]
Name:
Company:
Address:
E-mail:
Fax No.:

Invoice To:

SAME [X]
Name: Brenda
Company:
Address:
E-mail
Fax No.:

Client Project ID

HB15073

Purchase Order no.

HB15073.50

Samples from: CT__ NY X NJ__

Turn-Around Time

RUSH Same Day
RUSH Next Day
RUSH Two Day
RUSH Three Day
RUSH Four Day
Standard (5-7 days) X
OTHER

Report Type/Deliverables

Summary X
QA/QC Summary
CT RCP Pkg
ASP A Pkg
ASP B Pkg
Excel
EDD

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.

Samples Collected/Authorized By (Signature)

A. Atkinson
Name (printed)

Matrix Codes
S - soil
Other - specify (oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB (Wipe)	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082 PCB	RCRA 8	TPH GRO	Pri./Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081 Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151 Herb	TAL	CT ETPH	TAL Metals	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Naptha	PAH	App. IX	Total	TPH-418.1	Full App. IX	Sieve Anal.	Ammonia N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360 Waste	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360 Soil	TOC	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Info. Metals	Air STARS	Part 360 Leachate	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360 Petroleum	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe	Air TICs	NYSDEC Sewer	TOC	EOG	Total Solids
App IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Ag, Mn, Ag, Zn	Helium	TAGM	Silica	MBAS	TPH - IR

Special Instructions
Field Filtered [ ]
Lab to Filter [ ]

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-06 (12-14)			VOCs; SVOCs; Pest/PCBs; TAL metals	(1) VOA Kit (1) 402
SB-07 (0-2)			HOLD	(1) 402
SB-02 (3-5)			HOLD	(1) 402
SB-07 (5-7)				

Comments

Preservation "X" those applicable: Cool 4°C____ HNO3____ H2SO4____ NaOH____ NONE____ FROZEN____

Samples Relinquished By — Date/Time: 8-6-2015
Samples Received By — Date/Time: 8-6-15 11:45
Samples Relinquished By — Date/Time:
Samples Received in LAB by — Date/Time: 8/6/15 1545

Temperature on Receipt: 3.3°C

ANALYTICAL REPORT

Lab Number:	L1518856
Client:	Ecosystems Strategies, Inc. 24 Davis Avenue Poughkeepsie, NY 12603
ATTN:	Christine Arnone
Phone:	(845) 452-1658
Project Name:	HB15073
Project Number:	HB15073
Report Date:	08/13/15

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518856-01	SV-01	AIR	839-843 TILDEN STREET, BRONX	08/05/15 11:40	08/07/15
L1518856-02	SV-02	AIR	839-843 TILDEN STREET, BRONX	08/05/15 13:15	08/07/15
L1518856-03	SV-03	AIR	839-843 TILDEN STREET, BRONX	08/05/15 12:19	08/07/15
L1518856-04	SV-04	AIR	839-843 TILDEN STREET, BRONX	08/05/15 13:20	08/07/15

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	HB15073	**Lab Number:**	L1518856
Project Number:	HB15073	**Report Date:**	08/13/15

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 4, 2015. The canister certification results are provided as an addendum.

L1518856-04: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Andy Rezendes

Title: Technical Director/Representative Date: 08/13/15

AIR

Project Name: HB15073 **Lab Number:** L1518856

Project Number: HB15073 **Report Date:** 08/13/15

SAMPLE RESULTS

Lab ID: L1518856-01 Date Collected: 08/05/15 11:40
Client ID: SV-01 Date Received: 08/07/15
Sample Location: 839-843 TILDEN STREET, BRONX Field Prep: Not Specified
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/12/15 00:32
Analyst: MB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.332	0.200	--	1.64	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.71	2.50	--	12.6	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	72.1	1.00	--	171	2.38	--		1
Trichlorofluoromethane	0.205	0.200	--	1.15	1.12	--		1
Isopropanol	0.544	0.500	--	1.34	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	3.59	0.500	--	10.9	1.52	--		1
Methylene chloride	6.38	0.500	--	22.2	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	6.46	0.500	--	19.1	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: HB15073 **Lab Number:** L1518856

Project Number: HB15073 **Report Date:** 08/13/15

SAMPLE RESULTS

Lab ID: L1518856-01 Date Collected: 08/05/15 11:40

Client ID: SV-01 Date Received: 08/07/15

Sample Location: 839-843 TILDEN STREET, BRONX Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	7.13	0.200	--	34.8	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.352	0.200	--	1.24	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.237	0.200	--	0.757	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.319	0.200	--	1.31	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.77	0.200	--	6.67	0.754	--		1
2-Hexanone	0.733	0.200	--	3.00	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.570	0.200	--	3.87	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.630	0.200	--	2.74	0.869	--		1
p/m-Xylene	2.78	0.400	--	12.1	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: HB15073 ***Lab Number:*** L1518856

Project Number: HB15073 ***Report Date:*** 08/13/15

SAMPLE RESULTS

Lab ID: L1518856-01 Date Collected: 08/05/15 11:40

Client ID: SV-01 Date Received: 08/07/15

Sample Location: 839-843 TILDEN STREET, BRONX Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.825	0.200	--	3.58	0.869	--		1
4-Ethyltoluene	0.357	0.200	--	1.76	0.983	--		1
1,3,5-Trimethylbenzene	0.242	0.200	--	1.19	0.983	--		1
1,2,4-Trimethylbenzene	1.02	0.200	--	5.01	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	92		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	79		60-140

Project Name: HB15073 ***Lab Number:*** L1518856

Project Number: HB15073 ***Report Date:*** 08/13/15

SAMPLE RESULTS

Lab ID: L1518856-02
Client ID: SV-02
Sample Location: 839-843 TILDEN STREET, BRONX
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/12/15 01:04
Analyst: MB

Date Collected: 08/05/15 13:15
Date Received: 08/07/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.254	0.200	--	1.26	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.25	2.50	--	9.89	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	89.2	1.00	--	212	2.38	--		1
Trichlorofluoromethane	0.215	0.200	--	1.21	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	7.11	0.500	--	21.6	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.216	0.200	--	0.673	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.69	0.500	--	13.8	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: HB15073 ***Lab Number:*** L1518856

Project Number: HB15073 ***Report Date:*** 08/13/15

SAMPLE RESULTS

Lab ID: L1518856-02 Date Collected: 08/05/15 13:15

Client ID: SV-02 Date Received: 08/07/15

Sample Location: 839-843 TILDEN STREET, BRONX Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.26	0.200	--	4.44	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.954	0.200	--	3.91	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.86	0.200	--	7.01	0.754	--		1
2-Hexanone	0.828	0.200	--	3.39	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.638	0.200	--	2.77	0.869	--		1
p/m-Xylene	2.56	0.400	--	11.1	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: HB15073 ***Lab Number:*** L1518856

Project Number: HB15073 ***Report Date:*** 08/13/15

SAMPLE RESULTS

Lab ID: L1518856-02 Date Collected: 08/05/15 13:15

Client ID: SV-02 Date Received: 08/07/15

Sample Location: 839-843 TILDEN STREET, BRONX Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.772	0.200	--	3.35	0.869	--		1
4-Ethyltoluene	0.312	0.200	--	1.53	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.718	0.200	--	3.53	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	77		60-140

Project Name: HB15073 ***Lab Number:*** L1518856

Project Number: HB15073 ***Report Date:*** 08/13/15

SAMPLE RESULTS

Lab ID: L1518856-03 Date Collected: 08/05/15 12:19
Client ID: SV-03 Date Received: 08/07/15
Sample Location: 839-843 TILDEN STREET, BRONX Field Prep: Not Specified
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/12/15 01:35
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.316	0.200	--	1.56	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.71	2.50	--	12.6	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	70.8	1.00	--	168	2.38	--		1
Trichlorofluoromethane	0.265	0.200	--	1.49	1.12	--		1
Isopropanol	0.881	0.500	--	2.17	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	3.25	0.500	--	9.85	1.52	--		1
Methylene chloride	15.7	0.500	--	54.5	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.495	0.200	--	1.54	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.88	0.500	--	11.4	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: HB15073 ***Lab Number:*** L1518856

Project Number: HB15073 ***Report Date:*** 08/13/15

SAMPLE RESULTS

Lab ID: L1518856-03 Date Collected: 08/05/15 12:19

Client ID: SV-03 Date Received: 08/07/15

Sample Location: 839-843 TILDEN STREET, BRONX Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.36	0.200	--	4.79	0.705	--		1
1,1,1-Trichloroethane	0.291	0.200	--	1.59	1.09	--		1
Benzene	0.907	0.200	--	2.90	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.592	0.200	--	2.04	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.724	0.200	--	2.97	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.63	0.200	--	6.14	0.754	--		1
2-Hexanone	0.606	0.200	--	2.48	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	16.5	0.200	--	112	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.517	0.200	--	2.25	0.869	--		1
p/m-Xylene	2.28	0.400	--	9.90	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: HB15073 ***Lab Number:*** L1518856

Project Number: HB15073 ***Report Date:*** 08/13/15

SAMPLE RESULTS

Lab ID: L1518856-03 Date Collected: 08/05/15 12:19

Client ID: SV-03 Date Received: 08/07/15

Sample Location: 839-843 TILDEN STREET, BRONX Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.696	0.200	--	3.02	0.869	--		1
4-Ethyltoluene	0.352	0.200	--	1.73	0.983	--		1
1,3,5-Trimethylbenzene	0.243	0.200	--	1.19	0.983	--		1
1,2,4-Trimethylbenzene	1.08	0.200	--	5.31	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	81		60-140

Project Name: HB15073 **Lab Number:** L1518856

Project Number: HB15073 **Report Date:** 08/13/15

SAMPLE RESULTS

Lab ID: L1518856-04 D
Client ID: SV-04
Sample Location: 839-843 TILDEN STREET, BRONX
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/12/15 02:08
Analyst: MB

Date Collected: 08/05/15 13:20
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	14.9	--	ND	73.7	--		74.54
Chloromethane	ND	14.9	--	ND	30.8	--		74.54
Freon-114	ND	14.9	--	ND	104	--		74.54
Vinyl chloride	ND	14.9	--	ND	38.1	--		74.54
1,3-Butadiene	ND	14.9	--	ND	33.0	--		74.54
Bromomethane	ND	14.9	--	ND	57.9	--		74.54
Chloroethane	ND	14.9	--	ND	39.3	--		74.54
Ethanol	ND	186	--	ND	350	--		74.54
Vinyl bromide	ND	14.9	--	ND	65.1	--		74.54
Acetone	504	74.5	--	1200	177	--		74.54
Trichlorofluoromethane	ND	14.9	--	ND	83.7	--		74.54
Isopropanol	ND	37.3	--	ND	91.7	--		74.54
1,1-Dichloroethene	ND	14.9	--	ND	59.1	--		74.54
Tertiary butyl Alcohol	ND	37.3	--	ND	113	--		74.54
Methylene chloride	ND	37.3	--	ND	130	--		74.54
3-Chloropropene	ND	14.9	--	ND	46.6	--		74.54
Carbon disulfide	96.0	14.9	--	299	46.4	--		74.54
Freon-113	ND	14.9	--	ND	114	--		74.54
trans-1,2-Dichloroethene	ND	14.9	--	ND	59.1	--		74.54
1,1-Dichloroethane	ND	14.9	--	ND	60.3	--		74.54
Methyl tert butyl ether	ND	14.9	--	ND	53.7	--		74.54
2-Butanone	ND	37.3	--	ND	110	--		74.54
cis-1,2-Dichloroethene	ND	14.9	--	ND	59.1	--		74.54
Ethyl Acetate	ND	37.3	--	ND	134	--		74.54

Project Name: HB15073 ***Lab Number:*** L1518856

Project Number: HB15073 ***Report Date:*** 08/13/15

SAMPLE RESULTS

Lab ID: L1518856-04 D Date Collected: 08/05/15 13:20

Client ID: SV-04 Date Received: 08/07/15

Sample Location: 839-843 TILDEN STREET, BRONX Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	14.9	--	ND	72.8	--		74.54
Tetrahydrofuran	ND	37.3	--	ND	110	--		74.54
1,2-Dichloroethane	ND	14.9	--	ND	60.3	--		74.54
n-Hexane	4100	14.9	--	14400	52.5	--		74.54
1,1,1-Trichloroethane	ND	14.9	--	ND	81.3	--		74.54
Benzene	ND	14.9	--	ND	47.6	--		74.54
Carbon tetrachloride	ND	14.9	--	ND	93.7	--		74.54
Cyclohexane	215	14.9	--	740	51.3	--		74.54
1,2-Dichloropropane	ND	14.9	--	ND	68.9	--		74.54
Bromodichloromethane	ND	14.9	--	ND	99.8	--		74.54
1,4-Dioxane	ND	14.9	--	ND	53.7	--		74.54
Trichloroethene	ND	14.9	--	ND	80.1	--		74.54
2,2,4-Trimethylpentane	22.0	14.9	--	103	69.6	--		74.54
Heptane	15.8	14.9	--	64.8	61.1	--		74.54
cis-1,3-Dichloropropene	ND	14.9	--	ND	67.6	--		74.54
4-Methyl-2-pentanone	ND	37.3	--	ND	153	--		74.54
trans-1,3-Dichloropropene	ND	14.9	--	ND	67.6	--		74.54
1,1,2-Trichloroethane	ND	14.9	--	ND	81.3	--		74.54
Toluene	ND	14.9	--	ND	56.2	--		74.54
2-Hexanone	ND	14.9	--	ND	61.1	--		74.54
Dibromochloromethane	ND	14.9	--	ND	127	--		74.54
1,2-Dibromoethane	ND	14.9	--	ND	115	--		74.54
Tetrachloroethene	ND	14.9	--	ND	101	--		74.54
Chlorobenzene	ND	14.9	--	ND	68.6	--		74.54
Ethylbenzene	ND	14.9	--	ND	64.7	--		74.54
p/m-Xylene	ND	29.8	--	ND	129	--		74.54
Bromoform	ND	14.9	--	ND	154	--		74.54
Styrene	ND	14.9	--	ND	63.4	--		74.54

Project Name: HB15073 ***Lab Number:*** L1518856

Project Number: HB15073 ***Report Date:*** 08/13/15

SAMPLE RESULTS

Lab ID: L1518856-04 D Date Collected: 08/05/15 13:20

Client ID: SV-04 Date Received: 08/07/15

Sample Location: 839-843 TILDEN STREET, BRONX Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	14.9	--	ND	102	--		74.54
o-Xylene	ND	14.9	--	ND	64.7	--		74.54
4-Ethyltoluene	ND	14.9	--	ND	73.3	--		74.54
1,3,5-Trimethylbenzene	ND	14.9	--	ND	73.3	--		74.54
1,2,4-Trimethylbenzene	ND	14.9	--	ND	73.3	--		74.54
Benzyl chloride	ND	14.9	--	ND	77.2	--		74.54
1,3-Dichlorobenzene	ND	14.9	--	ND	89.6	--		74.54
1,4-Dichlorobenzene	ND	14.9	--	ND	89.6	--		74.54
1,2-Dichlorobenzene	ND	14.9	--	ND	89.6	--		74.54
1,2,4-Trichlorobenzene	ND	14.9	--	ND	111	--		74.54
Hexachlorobutadiene	ND	14.9	--	ND	159	--		74.54

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	95		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	84		60-140

Project Name: HB15073 **Lab Number:** L1518856

Project Number: HB15073 **Report Date:** 08/13/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/11/15 14:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG811125-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: HB15073 **Lab Number:** L1518856

Project Number: HB15073 **Report Date:** 08/13/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/11/15 14:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG811125-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1

Project Name: HB15073 **Lab Number:** L1518856

Project Number: HB15073 **Report Date:** 08/13/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/11/15 14:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG811125-4								
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: HB15073 **Lab Number:** L1518856

Project Number: HB15073 **Report Date:** 08/13/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/11/15 14:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG811125-4								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/11/15 14:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG811125-4								
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Lab Control Sample Analysis
Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG811125-3								
Chlorodifluoromethane	83		-		70-130	-		
Propylene	96		-		70-130	-		
Propane	76		-		70-130	-		
Dichlorodifluoromethane	94		-		70-130	-		
Chloromethane	91		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	81		-		70-130	-		
Methanol	77		-		70-130	-		
Vinyl chloride	87		-		70-130	-		
1,3-Butadiene	84		-		70-130	-		
Butane	81		-		70-130	-		
Bromomethane	76		-		70-130	-		
Chloroethane	84		-		70-130	-		
Ethyl Alcohol	76		-		70-130	-		
Dichlorofluoromethane	75		-		70-130	-		
Vinyl bromide	74		-		70-130	-		
Acrolein	78		-		70-130	-		
Acetone	84		-		70-130	-		
Acetonitrile	82		-		70-130	-		
Trichlorofluoromethane	76		-		70-130	-		
iso-Propyl Alcohol	82		-		70-130	-		
Acrylonitrile	75		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG811125-3								
Pentane	74		-		70-130	-		
Ethyl ether	78		-		70-130	-		
1,1-Dichloroethene	80		-		70-130	-		
tert-Butyl Alcohol	74		-		70-130	-		
Methylene chloride	81		-		70-130	-		
3-Chloropropene	78		-		70-130	-		
Carbon disulfide	77		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	75		-		70-130	-		
trans-1,2-Dichloroethene	78		-		70-130	-		
1,1-Dichloroethane	88		-		70-130	-		
Methyl tert butyl ether	83		-		70-130	-		
Vinyl acetate	100		-		70-130	-		
2-Butanone	87		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		
Ethyl Acetate	88		-		70-130	-		
Chloroform	83		-		70-130	-		
Tetrahydrofuran	89		-		70-130	-		
2,2-Dichloropropane	77		-		70-130	-		
1,2-Dichloroethane	81		-		70-130	-		
n-Hexane	97		-		70-130	-		
Isopropyl Ether	76		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG811125-3								
Ethyl-Tert-Butyl-Ether	92		-		70-130	-		
1,1,1-Trichloroethane	91		-		70-130	-		
1,1-Dichloropropene	94		-		70-130	-		
Benzene	92		-		70-130	-		
Carbon tetrachloride	92		-		70-130	-		
Cyclohexane	98		-		70-130	-		
Tertiary-Amyl Methyl Ether	88		-		70-130	-		
Dibromomethane	87		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Bromodichloromethane	96		-		70-130	-		
1,4-Dioxane	84		-		70-130	-		
Trichloroethene	84		-		70-130	-		
2,2,4-Trimethylpentane	100		-		70-130	-		
Methyl Methacrylate	93		-		70-130	-		
Heptane	100		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	101		-		70-130	-		
trans-1,3-Dichloropropene	90		-		70-130	-		
1,1,2-Trichloroethane	96		-		70-130	-		
Toluene	85		-		70-130	-		
1,3-Dichloropropane	85		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG811125-3								
2-Hexanone	100		-		70-130	-		
Dibromochloromethane	87		-		70-130	-		
1,2-Dibromoethane	86		-		70-130	-		
Butyl Acetate	89		-		70-130	-		
Octane	83		-		70-130	-		
Tetrachloroethene	76		-		70-130	-		
1,1,1,2-Tetrachloroethane	82		-		70-130	-		
Chlorobenzene	85		-		70-130	-		
Ethylbenzene	86		-		70-130	-		
p/m-Xylene	86		-		70-130	-		
Bromoform	81		-		70-130	-		
Styrene	84		-		70-130	-		
1,1,2,2-Tetrachloroethane	98		-		70-130	-		
o-Xylene	89		-		70-130	-		
1,2,3-Trichloropropane	87		-		70-130	-		
Nonane (C9)	94		-		70-130	-		
Isopropylbenzene	83		-		70-130	-		
Bromobenzene	84		-		70-130	-		
o-Chlorotoluene	78		-		70-130	-		
n-Propylbenzene	80		-		70-130	-		
p-Chlorotoluene	79		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG811125-3								
4-Ethyltoluene	80		-		70-130	-		
1,3,5-Trimethylbenzene	84		-		70-130	-		
tert-Butylbenzene	84		-		70-130	-		
1,2,4-Trimethylbenzene	91		-		70-130	-		
Decane (C10)	97		-		70-130	-		
Benzyl chloride	96		-		70-130	-		
1,3-Dichlorobenzene	80		-		70-130	-		
1,4-Dichlorobenzene	78		-		70-130	-		
sec-Butylbenzene	85		-		70-130	-		
p-Isopropyltoluene	78		-		70-130	-		
1,2-Dichlorobenzene	75		-		70-130	-		
n-Butylbenzene	86		-		70-130	-		
1,2-Dibromo-3-chloropropane	100		-		70-130	-		
Undecane	97		-		70-130	-		
Dodecane (C12)	88		-		70-130	-		
1,2,4-Trichlorobenzene	89		-		70-130	-		
Naphthalene	85		-		70-130	-		
1,2,3-Trichlorobenzene	98		-		70-130	-		
Hexachlorobutadiene	95		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG811125-5 QC Sample: L1518543-01 Client ID: DUP Sample						
Dichlorodifluoromethane	0.219	0.244	ppbV	11		25
Chloromethane	ND	ND	ppbV	NC		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	18.7	16.7	ppbV	11		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	30.6	31.1	ppbV	2		25
Trichlorofluoromethane	0.440	0.438	ppbV	0		25
iso-Propyl Alcohol	2.87	2.58	ppbV	11		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	0.727	0.668	ppbV	8		25
Methylene chloride	0.646	0.693	ppbV	7		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	1.14	1.22	ppbV	7		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG811125-5 QC Sample: L1518543-01 Client ID: DUP Sample					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	2.88	2.93	ppbV	2	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	0.281	0.269	ppbV	4	25
Tetrahydrofuran	2.86	2.83	ppbV	1	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.831	0.842	ppbV	1	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	6.64	6.68	ppbV	1	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	0.254	0.219	ppbV	15	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	0.203	ND	ppbV	NC	25
Heptane	0.445	0.471	ppbV	6	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG811125-5 QC Sample: L1518543-01 Client ID: DUP Sample					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	4.34	4.30	ppbV	1	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	0.560	0.523	ppbV	7	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	1.75	1.78	ppbV	2	25
p/m-Xylene	8.59	8.88	ppbV	3	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	0.207	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	5.35	5.49	ppbV	3	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.415	0.429	ppbV	3	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG811125-5 QC Sample: L1518543-01 Client ID: DUP Sample					
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: HB15073 **Lab Number:** L1518856

Project Number: HB15073 **Report Date:** 08/13/15

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1518856-01	SV-01	0178	#90 SV	08/04/15	207387		-	-	-	Pass	36.7	39.9	8
L1518856-01	SV-01	1705	6.0L Can	08/04/15	207387	L1517343-02	Pass	-29.0	-4.4	-	-	-	-
L1518856-02	SV-02	0194	#16 SV	08/04/15	207387		-	-	-	Pass	37.4	39.3	5
L1518856-02	SV-02	1840	6.0L Can	08/04/15	207387	L1517343-02	Pass	-29.2	-9.0	-	-	-	-
L1518856-03	SV-03	0404	#30 AMB	08/04/15	207387		-	-	-	Pass	38.1	40.2	5
L1518856-03	SV-03	945	6.0L Can	08/04/15	207387	L1517343-02	Pass	-28.0	-3.9	-	-	-	-
L1518856-04	SV-04	0471	#30 SV	08/04/15	207387		-	-	-	Pass	39.4	39.8	1
L1518856-04	SV-04	693	6.0L Can	08/04/15	207387	L1517343-02	Pass	-29.5	-7.7	-	-	-	-

Project Name:

Lab Number: L1517343

Project Number: CANISTER QC BAT

Report Date: 08/13/15

Air Canister Certification Results

Lab ID: L1517343-02
Client ID: CAN 1642 SHELF 49
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/25/15 15:49
Analyst: RY

Date Collected: 07/24/15 18:00
Date Received: 07/25/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name:

Lab Number: L1517343

Project Number: CANISTER QC BAT

Report Date: 08/13/15

Air Canister Certification Results

Lab ID: L1517343-02
Client ID: CAN 1642 SHELF 49
Sample Location:

Date Collected: 07/24/15 18:00
Date Received: 07/25/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: **Lab Number:** L1517343

Project Number: CANISTER QC BAT **Report Date:** 08/13/15

Air Canister Certification Results

Lab ID: L1517343-02 Date Collected: 07/24/15 18:00

Client ID: CAN 1642 SHELF 49 Date Received: 07/25/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: **Lab Number:** L1517343

Project Number: CANISTER QC BAT **Report Date:** 08/13/15

Air Canister Certification Results

Lab ID: L1517343-02 Date Collected: 07/24/15 18:00

Client ID: CAN 1642 SHELF 49 Date Received: 07/25/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name:

Lab Number: L1517343

Project Number: CANISTER QC BAT

Report Date: 08/13/15

Air Canister Certification Results

Lab ID: L1517343-02
Client ID: CAN 1642 SHELF 49
Sample Location:

Date Collected: 07/24/15 18:00
Date Received: 07/25/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	89		60-140

Project Name:

Lab Number: L1517343

Project Number: CANISTER QC BAT

Report Date: 08/13/15

Air Canister Certification Results

Lab ID: L1517343-02
Client ID: CAN 1642 SHELF 49
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/25/15 15:49
Analyst: RY

Date Collected: 07/24/15 18:00
Date Received: 07/25/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name:

Lab Number: L1517343

Project Number: CANISTER QC BAT

Report Date: 08/13/15

Air Canister Certification Results

Lab ID: L1517343-02
Client ID: CAN 1642 SHELF 49
Sample Location:

Date Collected: 07/24/15 18:00
Date Received: 07/25/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name:

Lab Number: L1517343

Project Number: CANISTER QC BAT

Report Date: 08/13/15

Air Canister Certification Results

Lab ID: L1517343-02
Client ID: CAN 1642 SHELF 49
Sample Location:

Date Collected: 07/24/15 18:00
Date Received: 07/25/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	94		60-140

Project Name: HB15073
Project Number: HB15073

Lab Number: L1518856
Report Date: 08/13/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518856-01A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1518856-02A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1518856-03A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1518856-04A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	HB15073	**Lab Number:**	L1518856
Project Number:	HB15073	**Report Date:**	08/13/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: Data Usability Report

Project Name:	HB15073	**Lab Number:**	L1518856
Project Number:	HB15073	**Report Date:**	08/13/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	HB15073	**Lab Number:**	L1518856
Project Number:	HB15073	**Report Date:**	08/13/15

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/8/15

ALPHA Job #: L1518856

Client Information

Client: Ecosystems Strategies
Address: 24 Davis Avenue
Poughkeepsie, NY 12603
Phone: (845) 452-1658
Fax: (845) 485-7083
Email: adam@ecosystemsstrategies.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: HB15073
Project Location: 839-843 Tilden Street, Bronx
Project #: HB15073
Project Manager: Adam Atkinson
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #: HB15073.5D

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS: TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
18856-01	SV-01	8/5/15	09:28	11:40	29.03	4.25	SV	AA	6L	1705	0178		X						
-02	SV-02	8/5/15	10:00	1:15	30.12	6.75	SV	AA	6L	1840	0194		X						
-03	SV-03	8/5/15	10:27	12:19	28.02	3.33	SV	AA	6L	945	0404		X						
-04	SV-04	8/5/15	11:27	1:20	30.02	5.81	SV	AA	6L	683	0171		X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
AAC	8/7/15 1720	AAC	8/7/15 1720
	8/7/15 1930		8-7-15 1930
	8-8-15 0120	Bethany Bedard	8/8/15 0120

ANALYTICAL REPORT

Lab Number:	L1521333
Client:	Ecosystems Strategies, Inc. 24 Davis Avenue Poughkeepsie, NY 12603
ATTN:	Christine Arnone
Phone:	(845) 452-1658
Project Name:	HB15073
Project Number:	HB15073
Report Date:	09/09/15

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: HB15073
Project Number: HB15073

Lab Number: L1521333
Report Date: 09/09/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1521333-01	SV-05	SOIL_VAPOR	BRONX, NY	08/31/15 13:25	09/01/15

Project Name: HB15073 **Lab Number:** L1521333
Project Number: HB15073 **Report Date:** 09/09/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: HB15073 **Lab Number:** L1521333
Project Number: HB15073 **Report Date:** 09/09/15

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 28, 2015. The canister certification results are provided as an addendum.

Sample L1521333-01 was diluted and re-analyzed to quantify the sample within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

Sample L1521333-01 results for Acetone and n-Heptane should be considered estimated due to co-elution with a non-target peak.

Sample L1521333-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 09/09/15

AIR

Project Name: HB15073 **Lab Number:** L1521333

Project Number: HB15073 **Report Date:** 09/09/15

SAMPLE RESULTS

Lab ID: L1521333-01 D
Client ID: SV-05
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/06/15 00:20
Analyst: RY

Date Collected: 08/31/15 13:25
Date Received: 09/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.310	0.250	--	1.53	1.24	--		1.25
Chloromethane	0.908	0.250	--	1.88	0.516	--		1.25
Freon-114	7.04	0.250	--	49.2	1.75	--		1.25
Vinyl chloride	0.469	0.250	--	1.20	0.639	--		1.25
1,3-Butadiene	6.09	0.250	--	13.5	0.553	--		1.25
Bromomethane	ND	0.250	--	ND	0.971	--		1.25
Chloroethane	ND	0.250	--	ND	0.660	--		1.25
Ethanol	35.4	3.12	--	66.7	5.88	--		1.25
Vinyl bromide	ND	0.250	--	ND	1.09	--		1.25
Acetone	387	1.25	--	919	2.97	--		1.25
Trichlorofluoromethane	ND	0.250	--	ND	1.40	--		1.25
Isopropanol	0.871	0.625	--	2.14	1.54	--		1.25
1,1-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
Tertiary butyl Alcohol	3.61	0.625	--	10.9	1.89	--		1.25
Methylene chloride	ND	0.625	--	ND	2.17	--		1.25
3-Chloropropene	ND	0.250	--	ND	0.783	--		1.25
Carbon disulfide	169	0.250	--	526	0.779	--	E	1.25
Freon-113	ND	0.250	--	ND	1.92	--		1.25
trans-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
1,1-Dichloroethane	ND	0.250	--	ND	1.01	--		1.25
Methyl tert butyl ether	ND	0.250	--	ND	0.901	--		1.25
2-Butanone	13.8	0.625	--	40.7	1.84	--		1.25
cis-1,2-Dichloroethene	0.624	0.250	--	2.47	0.991	--		1.25
Ethyl Acetate	ND	0.625	--	ND	2.25	--		1.25

Project Name: HB15073 ***Lab Number:*** L1521333

Project Number: HB15073 ***Report Date:*** 09/09/15

SAMPLE RESULTS

Lab ID: L1521333-01 D Date Collected: 08/31/15 13:25

Client ID: SV-05 Date Received: 09/01/15

Sample Location: BRONX, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.250	--	ND	1.22	--		1.25
Tetrahydrofuran	ND	0.625	--	ND	1.84	--		1.25
1,2-Dichloroethane	0.494	0.250	--	2.00	1.01	--		1.25
n-Hexane	1.48	0.250	--	5.22	0.881	--		1.25
1,1,1-Trichloroethane	ND	0.250	--	ND	1.36	--		1.25
Benzene	9.16	0.250	--	29.3	0.799	--		1.25
Carbon tetrachloride	ND	0.250	--	ND	1.57	--		1.25
Cyclohexane	1.84	0.250	--	6.33	0.861	--		1.25
1,2-Dichloropropane	ND	0.250	--	ND	1.16	--		1.25
Bromodichloromethane	ND	0.250	--	ND	1.67	--		1.25
1,4-Dioxane	ND	0.250	--	ND	0.901	--		1.25
Trichloroethene	ND	0.250	--	ND	1.34	--		1.25
2,2,4-Trimethylpentane	11.4	0.250	--	53.2	1.17	--		1.25
Heptane	0.291	0.250	--	1.19	1.02	--		1.25
cis-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
4-Methyl-2-pentanone	ND	0.625	--	ND	2.56	--		1.25
trans-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
1,1,2-Trichloroethane	ND	0.250	--	ND	1.36	--		1.25
Toluene	4.19	0.250	--	15.8	0.942	--		1.25
2-Hexanone	0.620	0.250	--	2.54	1.02	--		1.25
Dibromochloromethane	ND	0.250	--	ND	2.13	--		1.25
1,2-Dibromoethane	ND	0.250	--	ND	1.92	--		1.25
Tetrachloroethene	0.349	0.250	--	2.37	1.70	--		1.25
Chlorobenzene	ND	0.250	--	ND	1.15	--		1.25
Ethylbenzene	0.814	0.250	--	3.54	1.09	--		1.25
p/m-Xylene	2.22	0.500	--	9.64	2.17	--		1.25
Bromoform	ND	0.250	--	ND	2.58	--		1.25
Styrene	ND	0.250	--	ND	1.06	--		1.25

Project Name: HB15073 ***Lab Number:*** L1521333

Project Number: HB15073 ***Report Date:*** 09/09/15

SAMPLE RESULTS

Lab ID: L1521333-01 D Date Collected: 08/31/15 13:25

Client ID: SV-05 Date Received: 09/01/15

Sample Location: BRONX, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.250	--	ND	1.72	--		1.25
o-Xylene	0.935	0.250	--	4.06	1.09	--		1.25
4-Ethyltoluene	ND	0.250	--	ND	1.23	--		1.25
1,3,5-Trimethylbenzene	0.276	0.250	--	1.36	1.23	--		1.25
1,2,4-Trimethylbenzene	0.998	0.250	--	4.91	1.23	--		1.25
Benzyl chloride	ND	0.250	--	ND	1.29	--		1.25
1,3-Dichlorobenzene	1.40	0.250	--	8.42	1.50	--		1.25
1,4-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2,4-Trichlorobenzene	ND	0.250	--	ND	1.86	--		1.25
Hexachlorobutadiene	ND	0.250	--	ND	2.67	--		1.25

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	88		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	87		60-140

Project Name: HB15073 ***Lab Number:*** L1521333

Project Number: HB15073 ***Report Date:*** 09/09/15

SAMPLE RESULTS

Lab ID:	L1521333-01 D2	Date Collected:	08/31/15 13:25
Client ID:	SV-05	Date Received:	09/01/15
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	09/06/15 10:19		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Carbon disulfide	177	1.00	--	551	3.11	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	90		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	86		60-140

Project Name: HB15073 **Lab Number:** L1521333

Project Number: HB15073 **Report Date:** 09/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/05/15 14:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG818942-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: HB15073 **Lab Number:** L1521333

Project Number: HB15073 **Report Date:** 09/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/05/15 14:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG818942-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: HB15073
Project Number: HB15073
Lab Number: L1521333
Report Date: 09/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/05/15 14:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG818942-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Lab Control Sample Analysis

Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1521333
Report Date: 09/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG818942-3								
Chlorodifluoromethane	85		-		70-130	-		
Propylene	92		-		70-130	-		
Propane	78		-		70-130	-		
Dichlorodifluoromethane	83		-		70-130	-		
Chloromethane	93		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	95		-		70-130	-		
Methanol	80		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	101		-		70-130	-		
Butane	86		-		70-130	-		
Bromomethane	97		-		70-130	-		
Chloroethane	92		-		70-130	-		
Ethyl Alcohol	87		-		70-130	-		
Dichlorofluoromethane	84		-		70-130	-		
Vinyl bromide	95		-		70-130	-		
Acrolein	82		-		70-130	-		
Acetone	94		-		70-130	-		
Acetonitrile	91		-		70-130	-		
Trichlorofluoromethane	94		-		70-130	-		
iso-Propyl Alcohol	97		-		70-130	-		
Acrylonitrile	85		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1521333
Report Date: 09/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG818942-3								
Pentane	84		-		70-130	-		
Ethyl ether	87		-		70-130	-		
1,1-Dichloroethene	95		-		70-130	-		
tert-Butyl Alcohol	88		-		70-130	-		
Methylene chloride	87		-		70-130	-		
3-Chloropropene	95		-		70-130	-		
Carbon disulfide	97		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		-		70-130	-		
trans-1,2-Dichloroethene	88		-		70-130	-		
1,1-Dichloroethane	98		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
Vinyl acetate	120		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	109		-		70-130	-		
Ethyl Acetate	110		-		70-130	-		
Chloroform	99		-		70-130	-		
Tetrahydrofuran	88		-		70-130	-		
2,2-Dichloropropane	87		-		70-130	-		
1,2-Dichloroethane	94		-		70-130	-		
n-Hexane	95		-		70-130	-		
Isopropyl Ether	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1521333
Report Date: 09/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG818942-3								
Ethyl-Tert-Butyl-Ether	88		-		70-130	-		
1,1,1-Trichloroethane	90		-		70-130	-		
1,1-Dichloropropene	93		-		70-130	-		
Benzene	96		-		70-130	-		
Carbon tetrachloride	95		-		70-130	-		
Cyclohexane	95		-		70-130	-		
Tertiary-Amyl Methyl Ether	88		-		70-130	-		
Dibromomethane	89		-		70-130	-		
1,2-Dichloropropane	99		-		70-130	-		
Bromodichloromethane	96		-		70-130	-		
1,4-Dioxane	99		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Methyl Methacrylate	87		-		70-130	-		
Heptane	97		-		70-130	-		
cis-1,3-Dichloropropene	106		-		70-130	-		
4-Methyl-2-pentanone	94		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	99		-		70-130	-		
Toluene	102		-		70-130	-		
1,3-Dichloropropane	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1521333
Report Date: 09/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG818942-3								
2-Hexanone	105		-		70-130	-		
Dibromochloromethane	103		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		
Butyl Acetate	93		-		70-130	-		
Octane	93		-		70-130	-		
Tetrachloroethene	103		-		70-130	-		
1,1,1,2-Tetrachloroethane	96		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	106		-		70-130	-		
p/m-Xylene	105		-		70-130	-		
Bromoform	106		-		70-130	-		
Styrene	107		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	108		-		70-130	-		
1,2,3-Trichloropropane	99		-		70-130	-		
Nonane (C9)	96		-		70-130	-		
Isopropylbenzene	101		-		70-130	-		
Bromobenzene	99		-		70-130	-		
o-Chlorotoluene	98		-		70-130	-		
n-Propylbenzene	100		-		70-130	-		
p-Chlorotoluene	101		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1521333
Report Date: 09/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG818942-3								
4-Ethyltoluene	105		-		70-130	-		
1,3,5-Trimethylbenzene	106		-		70-130	-		
tert-Butylbenzene	102		-		70-130	-		
1,2,4-Trimethylbenzene	111		-		70-130	-		
Decane (C10)	101		-		70-130	-		
Benzyl chloride	113		-		70-130	-		
1,3-Dichlorobenzene	114		-		70-130	-		
1,4-Dichlorobenzene	112		-		70-130	-		
sec-Butylbenzene	101		-		70-130	-		
p-Isopropyltoluene	94		-		70-130	-		
1,2-Dichlorobenzene	111		-		70-130	-		
n-Butylbenzene	106		-		70-130	-		
1,2-Dibromo-3-chloropropane	99		-		70-130	-		
Undecane	107		-		70-130	-		
Dodecane (C12)	120		-		70-130	-		
1,2,4-Trichlorobenzene	116		-		70-130	-		
Naphthalene	109		-		70-130	-		
1,2,3-Trichlorobenzene	107		-		70-130	-		
Hexachlorobutadiene	110		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1521333
Report Date: 09/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG818942-5 QC Sample: L1521826-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.447	0.511	ppbV	13		25
Chloromethane	1.25	1.20	ppbV	4		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	0.322	0.338	ppbV	5		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	1160E	1180E	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	182	182	ppbV	0		25
Trichlorofluoromethane	0.827	0.820	ppbV	1		25
iso-Propyl Alcohol	36.7	37.0	ppbV	1		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	0.624	0.599	ppbV	4		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1521333
Report Date: 09/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG818942-5 QC Sample: L1521826-02 Client ID: DUP Sample					
2-Butanone	1.41	1.41	ppbV	0	25
Ethyl Acetate	17.9	18.2	ppbV	2	25
Chloroform	0.500	0.499	ppbV	0	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.775	0.728	ppbV	6	25
Benzene	1.35	1.33	ppbV	1	25
Cyclohexane	0.221	0.213	ppbV	4	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	0.267	0.277	ppbV	4	25
Heptane	0.731	0.755	ppbV	3	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	2.21	2.29	ppbV	4	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1521333
Report Date: 09/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG818942-5 QC Sample: L1521826-02 Client ID: DUP Sample					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.249	0.255	ppbV	2	25
p/m-Xylene	0.580	0.595	ppbV	3	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.328	0.332	ppbV	1	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	0.250	0.247	ppbV	1	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	0.222	0.210	ppbV	6	25
1,2,4-Trimethylbenzene	0.546	0.570	ppbV	4	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: HB15073
Project Number: HB15073

Lab Number: L1521333
Report Date: 09/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG818942-5 QC Sample: L1521826-02 Client ID: DUP Sample					
Ethyl Alcohol	1510	1460	ppbV	3	25

Project Name: HB15073 **Lab Number:** L1521333

Project Number: HB15073 **Report Date:** 09/09/15

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1521333-01	SV-05	0275	#90 SV	08/28/15	208750		-	-	-	Pass	37.5	36.4	3
L1521333-01	SV-05	690	6.0L Can	08/28/15	208750	L1520645-02	Pass	-29.6	-6.1	-	-	-	-

Project Name:

Lab Number: L1520645

Project Number: CANISTER QC BAT

Report Date: 09/09/15

Air Canister Certification Results

Lab ID: L1520645-02
Client ID: CAN 781 SHELF 52
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/26/15 16:47
Analyst: AR

Date Collected: 08/25/15 18:00
Date Received: 08/26/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: **Lab Number:** L1520645

Project Number: CANISTER QC BAT **Report Date:** 09/09/15

Air Canister Certification Results

Lab ID: L1520645-02 Date Collected: 08/25/15 18:00

Client ID: CAN 781 SHELF 52 Date Received: 08/26/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name:

Lab Number: L1520645

Project Number: CANISTER QC BAT

Report Date: 09/09/15

Air Canister Certification Results

Lab ID: L1520645-02
Client ID: CAN 781 SHELF 52
Sample Location:

Date Collected: 08/25/15 18:00
Date Received: 08/26/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: **Lab Number:** L1520645

Project Number: CANISTER QC BAT **Report Date:** 09/09/15

Air Canister Certification Results

Lab ID: L1520645-02 Date Collected: 08/25/15 18:00

Client ID: CAN 781 SHELF 52 Date Received: 08/26/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: **Lab Number:** L1520645

Project Number: CANISTER QC BAT **Report Date:** 09/09/15

Air Canister Certification Results

Lab ID: L1520645-02 Date Collected: 08/25/15 18:00

Client ID: CAN 781 SHELF 52 Date Received: 08/26/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	94		60-140

Project Name:

Lab Number: L1520645

Project Number: CANISTER QC BAT

Report Date: 09/09/15

Air Canister Certification Results

Lab ID: L1520645-02
Client ID: CAN 781 SHELF 52
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/26/15 16:47
Analyst: AR

Date Collected: 08/25/15 18:00
Date Received: 08/26/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name:

Lab Number: L1520645

Project Number: CANISTER QC BAT

Report Date: 09/09/15

Air Canister Certification Results

Lab ID: L1520645-02
Client ID: CAN 781 SHELF 52
Sample Location:

Date Collected: 08/25/15 18:00
Date Received: 08/26/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name:

Lab Number: L1520645

Project Number: CANISTER QC BAT

Report Date: 09/09/15

Air Canister Certification Results

Lab ID: L1520645-02
Client ID: CAN 781 SHELF 52
Sample Location:

Date Collected: 08/25/15 18:00
Date Received: 08/26/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140

Project Name: HB15073
Project Number: HB15073

Lab Number: L1521333
Report Date: 09/09/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1521333-01A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	HB15073	**Lab Number:**	L1521333
Project Number:	HB15073	**Report Date:**	09/09/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: Data Usability Report

Project Name:	HB15073	**Lab Number:**	L1521333
Project Number:	HB15073	**Report Date:**	09/09/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	HB15073	**Lab Number:**	L1521333
Project Number:	HB15073	**Report Date:**	09/09/15

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/2/15

ALPHA Job #: L1521333

Client Information

Client: Ecosystems Strategies, Inc
Address: 24 Davis Ave
Poughkeepsie, NY 12603
Phone: 845-452-1658
Fax: 845-485-7083
Email: mail@ecosystemsstrategies.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: HB15073
Project Location: Bronx, NY
Project #: HB15073
Project Manager: Adam
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #: HB15073.50

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
21333.01	SV-05	8/31/15	11:05am	1:25pm	-29.56	-5.00	SV	JD	6L	690	0275		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Paul Jaquez - AAA	9/1/15 12:06	Paul Jaquez AAA	9/1/15 12:06
Tom Tobin	9/1/15 1830	Tom Tobin	9-1-15 1830
	9-2-15 0130		9/2/15 0130

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Adam Atkinson

Report Date: 11/11/2015
Client Project ID: HB15073
York Project (SDG) No.: 15K0111

Report Date: 11/11/2015
Client Project ID: HB15073
York Project (SDG) No.: 15K0111

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Adam Atkinson

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 04, 2015 and listed below. The project was identified as your project: **HB15073**.

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
15K0111-01	MW-01	Water	11/02/2015	11/04/2015
15K0111-02	TB-20151102	Water	11/02/2015	11/04/2015

General Notes for York Project (SDG) No.: 15K0111

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: 11/11/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **MW-01** **York Sample ID:** **15K0111-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15K0111	HB15073	Water	November 2, 2015 3:00 pm	11/04/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
95-63-6	**1,2,4-Trimethylbenzene**	**0.42**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	160	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
78-93-3	**2-Butanone**	**0.28**	J	ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS

Sample Information

Client Sample ID: **MW-01** **York Sample ID:** **15K0111-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15K0111	HB15073	Water	November 2, 2015 3:00 pm	11/04/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	**4-Methyl-2-pentanone**	**0.21**	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
107-02-8	Acrolein	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
75-15-0	**Carbon disulfide**	**0.27**	SCAL-E, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS

Sample Information

Client Sample ID: MW-01 **York Sample ID:** 15K0111-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15K0111	HB15073	Water	November 2, 2015 3:00 pm	11/04/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.50**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
95-47-6	**o-Xylene**	**0.93**		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	11/09/2015 16:56	11/09/2015 23:32	SS
179601-23-1	**p- & m- Xylenes**	**1.6**		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	11/09/2015 16:56	11/09/2015 23:32	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
108-88-3	**Toluene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS
1330-20-7	*** Xylenes, Total**	**2.5**		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	11/09/2015 16:56	11/09/2015 23:32	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*98.7 %*	*69-130*

Sample Information

Client Sample ID: MW-01 **York Sample ID:** 15K0111-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15K0111	HB15073	Water	November 2, 2015 3:00 pm	11/04/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: Toluene-d8*	*105 %*			*81-117*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*			*79-122*						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
309-00-2	Aldrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
319-85-7	beta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
319-86-8	delta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
60-57-1	Dieldrin	ND		ug/L	0.00200	0.00200	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
72-20-8	Endrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	0.0100	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0100	0.0100	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	0.0100	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC
76-44-8	Heptachlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	11/05/2015 08:38 CTDOH,NELAC-NY10854,NJDEP	11/11/2015 13:47	AMC

Sample Information

Client Sample ID: MW-01 **York Sample ID:** 15K0111-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15K0111	HB15073	Water	November 2, 2015 3:00 pm	11/04/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	11/05/2015 08:38	11/11/2015 13:47	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	11/05/2015 08:38	11/11/2015 13:47	AMC
8001-35-2	Toxaphene	ND		ug/L	0.100	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	11/05/2015 08:38	11/11/2015 13:47	AMC

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*45.1 %*		*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*130 %*	S-08	*30-120*

Metals, Dissolved - Target Analyte (TAL)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7440-39-3	**Barium**	**0.297**		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7440-70-2	**Calcium**	**363**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7440-47-3	Chromium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7440-48-4	Cobalt	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7440-50-8	**Copper**	**0.015**		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7439-89-6	**Iron**	**0.296**		mg/L	0.022	0.022	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7439-95-4	**Magnesium**	**49.3**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7439-96-5	**Manganese**	**4.81**		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD
7440-02-0	Nickel	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/10/2015 14:34	11/10/2015 21:07	ALD

Sample Information

Client Sample ID: MW-01 **York Sample ID:** 15K0111-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15K0111	HB15073	Water	November 2, 2015 3:00 pm	11/04/2015

Metals, Dissolved - Target Analyte (TAL)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**20.6**		mg/L	0.056	0.056	1	EPA 6010C	11/10/2015 14:34	11/10/2015 21:07	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7782-49-2	Selenium	ND		mg/L	0.011	0.011	1	EPA 6010C	11/10/2015 14:34	11/10/2015 21:07	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C	11/10/2015 14:34	11/10/2015 21:07	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-23-5	**Sodium**	**48.5**		mg/L	0.111	0.111	1	EPA 6010C	11/10/2015 14:34	11/10/2015 21:07	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/L	0.006	0.006	1	EPA 6010C	11/10/2015 14:34	11/10/2015 21:07	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-62-2	Vanadium	ND		mg/L	0.011	0.011	1	EPA 6010C	11/10/2015 14:34	11/10/2015 21:07	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-66-6	**Zinc**	**0.053**		mg/L	0.011	0.011	1	EPA 6010C	11/10/2015 14:34	11/10/2015 21:07	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**43.9**		mg/L	0.056	0.056	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-38-2	**Arsenic**	**0.006**		mg/L	0.004	0.004	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-39-3	**Barium**	**0.711**		mg/L	0.011	0.011	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-70-2	**Calcium**	**349**		mg/L	0.056	0.056	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-47-3	**Chromium**	**0.089**		mg/L	0.006	0.006	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-48-4	**Cobalt**	**0.032**		mg/L	0.006	0.006	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-50-8	**Copper**	**0.108**		mg/L	0.003	0.003	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-89-6	**Iron**	**56.9**		mg/L	0.022	0.022	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-92-1	**Lead**	**0.101**		mg/L	0.003	0.003	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-95-4	**Magnesium**	**55.8**		mg/L	0.056	0.056	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Sample Information

Client Sample ID: **MW-01** **York Sample ID:** **15K0111-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15K0111	HB15073	Water	November 2, 2015 3:00 pm	11/04/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**5.00**		mg/L	0.006	0.006	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-02-0	**Nickel**	**0.061**		mg/L	0.006	0.006	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-09-7	**Potassium**	**29.5**		mg/L	0.056	0.056	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7782-49-2	**Selenium**	**0.017**		mg/L	0.011	0.011	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-23-5	**Sodium**	**53.1**		mg/L	0.111	0.111	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/L	0.006	0.006	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-62-2	**Vanadium**	**0.105**		mg/L	0.011	0.011	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-66-6	**Zinc**	**0.233**		mg/L	0.011	0.011	1	EPA 6010C	11/10/2015 14:37	11/10/2015 23:27	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	11/06/2015 06:26	11/09/2015 07:56	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	11/06/2015 06:26	11/09/2015 07:56	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **TB-20151102** **York Sample ID:** **15K0111-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15K0111	HB15073	Water	November 2, 2015 3:00 pm	11/04/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **TB-20151102** **York Sample ID:** **15K0111-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15K0111	HB15073	Water	November 2, 2015 3:00 pm	11/04/2015

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	160	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
78-93-3	**2-Butanone**	**1.0**	J	ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
67-64-1	**Acetone**	**5.0**	SCAL-E	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS

Sample Information

Client Sample ID: TB-20151102 **York Sample ID:** 15K0111-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15K0111	HB15073	Water	November 2, 2015 3:00 pm	11/04/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS NELAC-NY10854,NJDEP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS NELAC-NY10854,NJDEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS NELAC-NY10854,NJDEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS NELAC-NY10854,NJDEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS NELAC-NY10854,NJDEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS NELAC-NY10854,NJDEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2015 16:56	11/09/2015 23:59	SS CTDOH,NELAC-NY10854,NJDEP

Sample Information

Client Sample ID: TB-20151102 **York Sample ID:** 15K0111-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15K0111	HB15073	Water	November 2, 2015 3:00 pm	11/04/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	11/09/2015 16:56	11/09/2015 23:59	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	11/09/2015 16:56	11/09/2015 23:59	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	11/09/2015 16:56	11/09/2015 23:59	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*79-122*

Analytical Batch Summary

Batch ID: BK50246 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
15K0111-01	MW-01	11/05/15

Batch ID: BK50317 **Preparation Method:** EPA 7473 water **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15K0111-01	MW-01	11/06/15
BK50317-BLK1	Blank	11/06/15
BK50317-SRM1	Reference	11/06/15

Batch ID: BK50439 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15K0111-01	MW-01	11/09/15
15K0111-02	TB-20151102	11/09/15
BK50439-BLK1	Blank	11/09/15
BK50439-BS1	LCS	11/09/15
BK50439-BSD1	LCS Dup	11/09/15

Batch ID: BK50512 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15K0111-01	MW-01	11/10/15
BK50512-BLK1	Blank	11/10/15
BK50512-SRM1	Reference	11/10/15

Batch ID: BK50513 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15K0111-01	MW-01	11/10/15
BK50513-BLK1	Blank	11/10/15
BK50513-SRM1	Reference	11/10/15

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK50439 - EPA 5030B											
Blank (BK50439-BLK1)											Prepared & Analyzed: 11/09/2015
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	160	"								
2-Butanone	ND	2.0	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	2.0	"								
Acrylonitrile	ND	2.0	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK50439 - EPA 5030B											
Blank (BK50439-BLK1)								Prepared & Analyzed: 11/09/2015			
n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	2.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*9.76*		*"*	*10.0*		*97.6*	*69-130*				
Surrogate: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				
LCS (BK50439-BS1)								Prepared & Analyzed: 11/09/2015			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		104	82-126				
1,1,1-Trichloroethane	9.5		"	10.0		95.3	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		110	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.6		"	10.0		96.3	54-165				
1,1,2-Trichloroethane	11		"	10.0		107	82-123				
1,1-Dichloroethane	9.8		"	10.0		97.6	82-129				
1,1-Dichloroethylene	9.4		"	10.0		94.1	68-138				
1,2,3-Trichlorobenzene	12		"	10.0		120	76-136				
1,2,3-Trichloropropane	11		"	10.0		110	77-128				
1,2,4-Trichlorobenzene	11		"	10.0		106	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		114	82-132				
1,2-Dibromo-3-chloropropane	9.5		"	10.0		95.1	45-147				
1,2-Dibromoethane	11		"	10.0		107	83-124				
1,2-Dichlorobenzene	11		"	10.0		109	79-123				
1,2-Dichloroethane	9.6		"	10.0		96.2	73-132				
1,2-Dichloropropane	10		"	10.0		103	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		113	80-131				
1,3-Dichlorobenzene	11		"	10.0		109	86-122				
1,4-Dichlorobenzene	11		"	10.0		109	85-124				
1,4-Dioxane	430		"	200		213	10-349				
2-Butanone	9.4		"	10.0		94.5	49-152				
2-Hexanone	10		"	10.0		103	51-146				
4-Methyl-2-pentanone	5.9		"	10.0		59.0	57-145				
Acetone	9.3		"	10.0		92.8	14-150				
Acrolein	5.1		"	10.0		51.1	10-153				
Acrylonitrile	10		"	10.0		103	51-150				
Benzene	10		"	10.0		99.6	85-126				
Bromochloromethane	10		"	10.0		104	77-128				
Bromodichloromethane	10		"	10.0		102	79-128				
Bromoform	10		"	10.0		104	78-133				
Bromomethane	6.1		"	10.0		61.1	43-168				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK50439 - EPA 5030B											
LCS (BK50439-BS1)								Prepared & Analyzed: 11/09/2015			
Carbon disulfide	8.5		ug/L	10.0		85.2	68-146				
Carbon tetrachloride	9.6		"	10.0		95.5	77-141				
Chlorobenzene	10		"	10.0		103	88-120				
Chloroethane	9.7		"	10.0		97.3	65-136				
Chloroform	9.8		"	10.0		98.2	82-128				
Chloromethane	6.4		"	10.0		64.1	43-155				
cis-1,2-Dichloroethylene	9.8		"	10.0		98.2	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131				
Cyclohexane	9.9		"	10.0		98.8	63-149				
Dibromochloromethane	11		"	10.0		106	80-130				
Dibromomethane	10		"	10.0		102	72-134				
Dichlorodifluoromethane	11		"	10.0		106	44-144				
Ethyl Benzene	11		"	10.0		107	80-131				
Hexachlorobutadiene	11		"	10.0		106	67-146				
Isopropylbenzene	11		"	10.0		110	76-140				
Methyl acetate	8.9		"	10.0		89.2	51-139				
Methyl tert-butyl ether (MTBE)	9.4		"	10.0		94.0	76-135				
Methylcyclohexane	10		"	10.0		104	72-143				
Methylene chloride	9.1		"	10.0		90.7	55-137				
n-Butylbenzene	11		"	10.0		107	79-132				
n-Propylbenzene	11		"	10.0		108	78-133				
o-Xylene	11		"	10.0		105	78-130				
p- & m- Xylenes	21		"	20.0		107	77-133				
p-Isopropyltoluene	11		"	10.0		112	81-136				
sec-Butylbenzene	11		"	10.0		107	79-137				
Styrene	12		"	10.0		117	67-132				
tert-Butyl alcohol (TBA)	10		"	10.0		105	25-162				
tert-Butylbenzene	11		"	10.0		108	77-138				
Tetrachloroethylene	11		"	10.0		107	82-131				
Toluene	10		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	9.1		"	10.0		90.6	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		102	78-131				
Trichloroethylene	10		"	10.0		101	82-128				
Trichlorofluoromethane	9.5		"	10.0		94.7	67-139				
Vinyl Chloride	9.4		"	10.0		93.9	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.91*		*"*	*10.0*		*99.1*	*69-130*				
Surrogate: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK50439 - EPA 5030B											
LCS Dup (BK50439-BSD1)								Prepared & Analyzed: 11/09/2015			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126		0.867	30	
1,1,1-Trichloroethane	9.6		"	10.0		96.5	78-136		1.25	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		106	76-129		3.99	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.8		"	10.0		98.3	54-165		2.06	30	
1,1,2-Trichloroethane	10		"	10.0		104	82-123		2.64	30	
1,1-Dichloroethane	9.6		"	10.0		96.1	82-129		1.55	30	
1,1-Dichloroethylene	9.4		"	10.0		94.3	68-138		0.212	30	
1,2,3-Trichlorobenzene	13		"	10.0		132	76-136		8.73	30	
1,2,3-Trichloropropane	11		"	10.0		106	77-128		3.78	30	
1,2,4-Trichlorobenzene	11		"	10.0		110	76-137		3.88	30	
1,2,4-Trimethylbenzene	11		"	10.0		111	82-132		1.96	30	
1,2-Dibromo-3-chloropropane	10		"	10.0		103	45-147		8.17	30	
1,2-Dibromoethane	11		"	10.0		106	83-124		1.32	30	
1,2-Dichlorobenzene	11		"	10.0		106	79-123		2.60	30	
1,2-Dichloroethane	9.5		"	10.0		95.1	73-132		1.15	30	
1,2-Dichloropropane	10		"	10.0		105	78-126		1.44	30	
1,3,5-Trimethylbenzene	11		"	10.0		111	80-131		1.70	30	
1,3-Dichlorobenzene	11		"	10.0		105	86-122		3.73	30	
1,4-Dichlorobenzene	11		"	10.0		109	85-124		0.367	30	
1,4-Dioxane	440		"	200		221	10-349		3.70	30	
2-Butanone	9.0		"	10.0		89.7	49-152		5.21	30	
2-Hexanone	11		"	10.0		107	51-146		4.29	30	
4-Methyl-2-pentanone	6.2		"	10.0		61.9	57-145		4.80	30	
Acetone	9.2		"	10.0		91.5	14-150		1.41	30	
Acrolein	5.4		"	10.0		53.7	10-153		4.96	30	
Acrylonitrile	11		"	10.0		110	51-150		6.41	30	
Benzene	10		"	10.0		99.7	85-126		0.100	30	
Bromochloromethane	10		"	10.0		104	77-128		0.0957	30	
Bromodichloromethane	10		"	10.0		101	79-128		0.394	30	
Bromoform	11		"	10.0		105	78-133		1.24	30	
Bromomethane	6.6		"	10.0		65.7	43-168		7.26	30	
Carbon disulfide	8.8		"	10.0		88.2	68-146		3.46	30	
Carbon tetrachloride	9.9		"	10.0		98.8	77-141		3.40	30	
Chlorobenzene	10		"	10.0		105	88-120		1.25	30	
Chloroethane	9.9		"	10.0		98.9	65-136		1.63	30	
Chloroform	9.9		"	10.0		99.0	82-128		0.811	30	
Chloromethane	6.8		"	10.0		67.7	43-155		5.46	30	
cis-1,2-Dichloroethylene	9.8		"	10.0		97.7	83-129		0.510	30	
cis-1,3-Dichloropropylene	10		"	10.0		101	80-131		2.64	30	
Cyclohexane	10		"	10.0		104	63-149		4.84	30	
Dibromochloromethane	11		"	10.0		106	80-130		0.188	30	
Dibromomethane	10		"	10.0		99.5	72-134		2.09	30	
Dichlorodifluoromethane	11		"	10.0		107	44-144		1.51	30	
Ethyl Benzene	11		"	10.0		108	80-131		0.186	30	
Hexachlorobutadiene	10		"	10.0		104	67-146		0.952	30	
Isopropylbenzene	11		"	10.0		110	76-140		0.363	30	
Methyl acetate	9.3		"	10.0		93.3	51-139		4.49	30	
Methyl tert-butyl ether (MTBE)	9.6		"	10.0		96.2	76-135		2.31	30	
Methylcyclohexane	10		"	10.0		105	72-143		1.34	30	
Methylene chloride	8.9		"	10.0		89.4	55-137		1.44	30	
n-Butylbenzene	11		"	10.0		106	79-132		0.188	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK50439 - EPA 5030B											
LCS Dup (BK50439-BSD1)								Prepared & Analyzed: 11/09/2015			
n-Propylbenzene	11		ug/L	10.0		107	78-133		0.744	30	
o-Xylene	11		"	10.0		106	78-130		0.853	30	
p- & m- Xylenes	22		"	20.0		110	77-133		2.21	30	
p-Isopropyltoluene	11		"	10.0		111	81-136		0.810	30	
sec-Butylbenzene	11		"	10.0		107	79-137		0.0936	30	
Styrene	12		"	10.0		118	67-132		0.682	30	
tert-Butyl alcohol (TBA)	11		"	10.0		107	25-162		2.17	30	
tert-Butylbenzene	11		"	10.0		106	77-138		1.49	30	
Tetrachloroethylene	11		"	10.0		107	82-131		0.374	30	
Toluene	11		"	10.0		106	80-127		1.80	30	
trans-1,2-Dichloroethylene	9.4		"	10.0		94.4	80-132		4.11	30	
trans-1,3-Dichloropropylene	10		"	10.0		102	78-131		0.0979	30	
Trichloroethylene	10		"	10.0		100	82-128		0.595	30	
Trichlorofluoromethane	9.6		"	10.0		95.6	67-139		0.946	30	
Vinyl Chloride	9.8		"	10.0		98.1	58-145		4.38	30	
Surrogate: 1,2-Dichloroethane-d4	*9.81*		*"*	*10.0*		*98.1*	*69-130*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK50512 - EPA 3015A											
Blank (BK50512-BLK1)											Prepared & Analyzed: 11/10/2015
Aluminum - Dissolved	ND	0.050	mg/L								
Antimony - Dissolved	ND	0.005	"								
Arsenic - Dissolved	ND	0.004	"								
Barium - Dissolved	ND	0.010	"								
Beryllium - Dissolved	ND	0.001	"								
Cadmium - Dissolved	ND	0.003	"								
Calcium - Dissolved	ND	0.050	"								
Chromium - Dissolved	ND	0.005	"								
Cobalt - Dissolved	ND	0.005	"								
Copper - Dissolved	ND	0.003	"								
Iron - Dissolved	ND	0.020	"								
Lead - Dissolved	ND	0.003	"								
Magnesium - Dissolved	ND	0.050	"								
Manganese - Dissolved	ND	0.005	"								
Nickel - Dissolved	ND	0.005	"								
Potassium - Dissolved	ND	0.050	"								
Selenium - Dissolved	ND	0.010	"								
Silver - Dissolved	ND	0.005	"								
Sodium - Dissolved	ND	0.100	"								
Thallium - Dissolved	ND	0.005	"								
Vanadium - Dissolved	ND	0.010	"								
Zinc - Dissolved	ND	0.010	"								
Reference (BK50512-SRM1)											Prepared & Analyzed: 11/10/2015
Aluminum - Dissolved	1.37		ug/mL	1.28		107	82.2-115.7				
Antimony - Dissolved	0.207		"	0.210		98.8	75.2-121				
Arsenic - Dissolved	0.251		"	0.240		104	80.4-118.7				
Barium - Dissolved	0.509		"	0.480		106	85-115				
Beryllium - Dissolved	0.302		"	0.300		101	85-115				
Cadmium - Dissolved	0.960		"	0.940		102	85-115				
Calcium - Dissolved	107		"	107		99.7	86-114				
Chromium - Dissolved	0.426		"	0.400		106	85-115				
Cobalt - Dissolved	0.871		"	0.820		106	85-115				
Copper - Dissolved	0.863		"	0.760		114	85-115				
Iron - Dissolved	2.21		"	2.12		104	85-115				
Lead - Dissolved	0.701		"	0.700		100	85-115				
Magnesium - Dissolved	18.7		"	17.9		104	86-114				
Manganese - Dissolved	1.47		"	1.46		100	85-115				
Nickel - Dissolved	1.93		"	1.86		104	88.6-112				
Potassium - Dissolved	29.7		"	29.1		102	84.9-115				
Selenium - Dissolved	0.466		"	0.460		101	85-115				
Silver - Dissolved	0.617		"	0.600		103	85-115				
Sodium - Dissolved	105		"	99.8		105	85-115				
Thallium - Dissolved	0.354		"	0.370		95.7	81.4-116.8				
Vanadium - Dissolved	1.17		"	1.12		104	85-115				
Zinc - Dissolved	0.625		"	0.560		112	85-115				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK50513 - EPA 3015A											
Blank (BK50513-BLK1)											Prepared & Analyzed: 11/10/2015
Aluminum	ND	0.050	mg/L								
Antimony	ND	0.005	"								
Arsenic	ND	0.004	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.050	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.003	"								
Iron	ND	0.020	"								
Lead	ND	0.003	"								
Magnesium	ND	0.050	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	ND	0.100	"								
Thallium	ND	0.005	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.010	"								
Reference (BK50513-SRM1)											Prepared & Analyzed: 11/10/2015
Aluminum	1.35		ug/mL	1.28		106	82.2-115.7				
Antimony	0.212		"	0.210		101	75.2-121				
Arsenic	0.254		"	0.240		106	80.4-118.7				
Barium	0.506		"	0.480		105	85-115				
Beryllium	0.302		"	0.300		101	85-115				
Cadmium	0.951		"	0.940		101	85-115				
Calcium	108		"	107		101	86-114				
Chromium	0.421		"	0.400		105	85-115				
Cobalt	0.865		"	0.820		105	85-115				
Copper	0.851		"	0.760		112	85-115				
Iron	2.17		"	2.12		102	85-115				
Lead	0.706		"	0.700		101	85-115				
Magnesium	18.5		"	17.9		103	86-114				
Manganese	1.48		"	1.46		101	85-115				
Nickel	1.91		"	1.86		103	88.6-112				
Potassium	30.6		"	29.1		105	84.9-115				
Selenium	0.467		"	0.460		102	85-115				
Silver	0.613		"	0.600		102	85-115				
Sodium	108		"	99.8		109	85-115				
Thallium	0.359		"	0.370		97.1	81.4-116.8				
Vanadium	1.12		"	1.12		100	85-115				
Zinc	0.606		"	0.560		108	85-115				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK50317 - EPA 7473 water											
Blank (BK50317-BLK1)											Prepared: 11/06/2015 Analyzed: 11/09/2015
Mercury	ND	0.00020	mg/L								
Mercury - Dissolved	ND	0.00020	"								
Reference (BK50317-SRM1)											Prepared: 11/06/2015 Analyzed: 11/09/2015
Mercury - Dissolved	0.0020559		mg/L	0.00230		89.4	61.3-135				
Mercury	0.00206		mg/kg	0.00230		89.4	61.3-135				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15K0111-01	MW-01	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15K0111-02	TB-20151102	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
M-DB	Analyte in Method Blank >MDL. Sample conc. >10 X blank conc.
M-CCVO	CCV Out. Samples bracketed by acceptable CCVs.
M-BLKNS	Analyte in M-Blk above MDL. Not detected in samples.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
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.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK ANALYTICAL LABORATORIES INC
2K Analytical Laboratories
120 Research Dr.
Stratford, CT 06615
(203) 325-1371
Fax (203) 357-0166

Field Chain-of-Custody Record

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

York Project No. 15K0111

YOUR Information	**Report To:**	**Invoice To:**
Company: Ecosystems Strat	Company: Same	Company: Same
Address: 24 Davis Ave POK, NY 12603	Address:	Address:
Phone No. 845-452-1658	Phone No.	Phone No.
Contact Person: Adam	Attention:	Attention:
E-Mail Address: adam@ecosystems...	E-Mail Address:	E-Mail Address:

YOUR Project ID: HB15073

Purchase Order No.: HB15073.50

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type

- Summary Report ___
- Summary w/ QA Summary ___
- CT RCP Package ___
- CTRCP DQA/DUE Pkg ___
- NY ASP A Package ___
- NY ASP B Package X
- NJDEP Red. Deliv. ___

Electronic Data Deliverables (EDD)

- Simple Excel ___
- NYSDEC EQuIS ___
- EQuIS (std) ___
- EZ-EDD (EQuIS) ___
- NJDEP SRP HazSite EDD ___
- GIS/KEY (std) ___
- Other ___

York Regulatory Comparison

Excel Spreadsheet ___

Compare to the following Regs. (please fill in):

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.

Samples Collected/Authorized By (Signature)

A. Atkinson
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-01	11-2-2015	GW	VOCs; Pesticides; TAL metals (dissolved and total)	(3) 40mL (2) 250mL plastic (1) 1 Liter Amber
TB-20151102	11-2-2015		VOCs	(2) 40mL

Comments

Preservation Check those Applicable

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions

Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time: ___

Samples Relinquished By — Date/Time: ___

Samples Received By — Date/Time: 11-4-15 11:30

Samples Received in LAB by — Date/Time: 11/4/15 1543

Temperature on Receipt 4.1 °C