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August 9, 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

Re: VCP # 16CVCP079K
179 Throop Avenue
Remedial Action Work Plan (RAWP) Stipulation List

Dear Mr. Chawla:

Hydro Tech Environmental, Corp. 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 Comunilife, Inc. 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 tank or vessel is 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 development team to seek an exemption for the property from the state Hazardous Waste Program Fee ($130/ton) and Special Assessment on Hazardous Waste (up to $27/ton). 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 applicant's responsibility to notify the OER Project Manager, copying the supervising Project Manager and OER Deputy Director Shaminder Chawla, before hazardous waste is shipped from the site. Unless the Department of Environmental Conservation is notified before waste is shipped from the site, the project may not receive an exemption from the fee. This exemption does not cover, and the project remains responsible for, a Hazardous Waste Annual Report to be filed with DEC and Quarterly Returns for Special Assessments on Hazardous Waste to be filed with the state Department of Taxation and Finance. **Appendix 4** includes additional information about the exemption from the Hazardous Waste Program Fee and the Special Assessment on Hazardous Waste.

6. Additional RI sampling was conducted on May 19, 2016 as part of this remedial action. Two soil borings, designated SP-11 and SP-12, were installed to collect both shallow and deep samples. Two soil vapor probes, designated SV-6 and SV-7, were also installed. See **Appendix 5** for sample locations. Soil/fill samples collected indicate that no volatile organic compounds (VOCs) were detected in soil samples at concentrations exceeding their respective Unrestricted Use Soil Cleanup Objectives (SCOs). One semi-volatile organic compound (SVOC), chrysene, was detected in the shallow sample from zero to 2 feet below grade from SP-12 at a concentration above its Unrestricted Use SCO. Pesticides, 4,4'-DDD, 4,4'-DDE and 4,4'-DDT, were detected at concentrations exceeding their Unrestricted Use SCOs in the shallow sample from SP-11 and the shallow and deep (12 to 14 feet below grade) samples from SP-12. The metals lead and mercury were identified in shallow soil and the metal selenium in deep soil (12 to 14 feet below grade) from SP-11, all at concentrations exceeding their respective SCOs. Lead, mercury and zinc were all detected at concentrations exceeding their respective Unrestricted Use SCOs in shallow and deep soil samples collected from SP-12. Soil vapor samples collected showed VOCs present at elevated concentrations in SV-6 and SV-7. Samples showed elevated concentrations of chlorinated solvents including tetrachloroethylene (PCE) and trichloroethylene (TCE) in both samples. 1, 1, 1-trichloroethane and carbon tetrachloride were not detected in any of the soil vapor samples. The RI Data Summary Tables have been updated with the Addendum sampling and are provided in **Appendix 13**. The RI Addendum soil analytical results are provided

in **Appendix 14**. The RI Addendum soil vapor analytical results are provided in **Appendix 15**.

7. The updated project description is as follows: The proposed future use of the Site will consist of a 6-story community residence with a partial basement containing offices, storage rooms, utilities, and laundry on a 13,225 square feet Site. The building will cover approximately 7,974 square feet. The basement is approximately 5,481 square feet in area, and the basement slab will be located at approximately 12 feet below grade. Soil will be excavated to a depth of 14 feet below grade for the basement. The remaining 2,493 square feet of the building will be slab on grade, requiring excavation to a depth of 4 feet below grade. The remaining 5,251 square feet of the Site is reserved for open landscaped areas, which will be excavated to a depth of 2 feet below grade. An estimated 2,984 cubic yards of soil will be excavated.

8. Collection and analysis of 6 end-point samples from the bottom of the excavation to evaluate the performance of the remedy with respect to attainment of Track 4 SCOs. A map indicating end-point sampling locations is attached in **Appendix 6**. Samples will be analyzed for contaminants of concern SVOCs, barium, lead and mercury.

9. 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 7**.

10. 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. Daily report template is attached in **Appendix 8.**

11. Monthly reports are required on the project's status and schedule to the OER project manager after RAWP is approved/NTP issued until Remedial Action Report is received. This is you (Environmental Consultant's) responsibility to provide this report. If you (environmental consultant) are no longer retained for continuation of project, you are required to notify OER about this. After excavation work is completed, monthly reports are still required and will be provided by the consultant or owner/developer for the duration of the construction period. Monthly report template is attached in **Appendix 9**.

12. 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 10**.

13. A 46-mil vapor barrier will be installed beneath the structure's slab and along foundation sidewalls. The barrier chosen for this project is manufactured by Grace Preprufe®, model number 300R & 160R. **Appendix 11** provides manufactures specifications and PE/RA certified building plans with the extent of the vapor barrier installation details (penetrations, joints, etc.) with respect to the proposed foundation, footings, etc. **Appendix 11** also shows a cross section of the vapor barrier with the composite cover.

14. Dewatering will be performed in full compliance with applicable laws, rules and regulations. Dewatering permit will be obtained from NYCDEP prior to construction activities.

15. The signed RIR certification page and stamped/signed RAWP certification page is included in **Appendix 12.**

16. If there is active SSDS, a post construction meeting is required with consultant, developer and building superintendent.

Sincerely,
Hydro Tech Environmental, Corp.

A.J. Infante
Project Geologist

AI/ph
Enc.
Cc: Colin Sullivan, NYCOER
Ellen Kackmann, Comunilife, Inc.

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 indentified 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

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

Date: August 9, 2016

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:

179 Throop Avenue, Brooklyn, NY 11206
16CVCP079K

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

179 Throop Avenue
Site #: 16CVCP079K

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 Exemptions Fact Sheet

NYC Office of Environmental Remediation

Exemptions from the state Hazardous Waste Program Fee & Special Assessment

If your site is enrolled in the city Voluntary Cleanup Program (VCP) 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 and the Special Assessment on Hazardous Waste.

Exemption from the Hazardous Waste Program Fee

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 of Hazardous Waste 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 quantity of hazardous waste, in tons, anticipated to be shipped; 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.

For further information, please contact:

Amanda Duchesne
Program Manager
(212) 341-2077
ADuchesne@dep.nyc.gov

or

Michelle Sarro
Attorney
(212) 341-2015
MSarro@dep.nyc.gov

2. After hazardous waste has been removed from the site, you must notify your OER project manager that removal is complete. OER will then 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 Amanda Duchesne aduchesne@dep.nyc.gov and Michelle Sarro msarro@dep.nyc.gov.

Upon receipt of the Certification of Hazardous Waste Generation, OER will issue a **$10/ton fee** for services to obtain the exemption from the state Hazardous Waste Program Fee.

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.

DEC will make its determination after receiving the last two certifications. OER will then notify the project of the exemption.

Exemption from the Special Assessment on Hazardous Waste

VCP sites are also eligible for an exemption from the Special Assessment on Hazardous Waste, which can cost projects up to $27/ton.

It is advised that you assert your interest in obtaining the Special Assessment exemption when you file a TP-550 Quarterly Return for Special Assessments on Hazardous Waste Generated in New York State form with the state Department of Taxation and Finance within 20 days of the end of the calendar quarter in which the waste was generated. In line item 3 on the form, indicate the number of tons of hazardous waste that were generated in New York State under an order of, or agreement or contract with, DEC. For access to the TP-550 form and further instructions see http://www.tax.ny.gov/bus/haz/hzrdwste.htm.

Ongoing Obligations

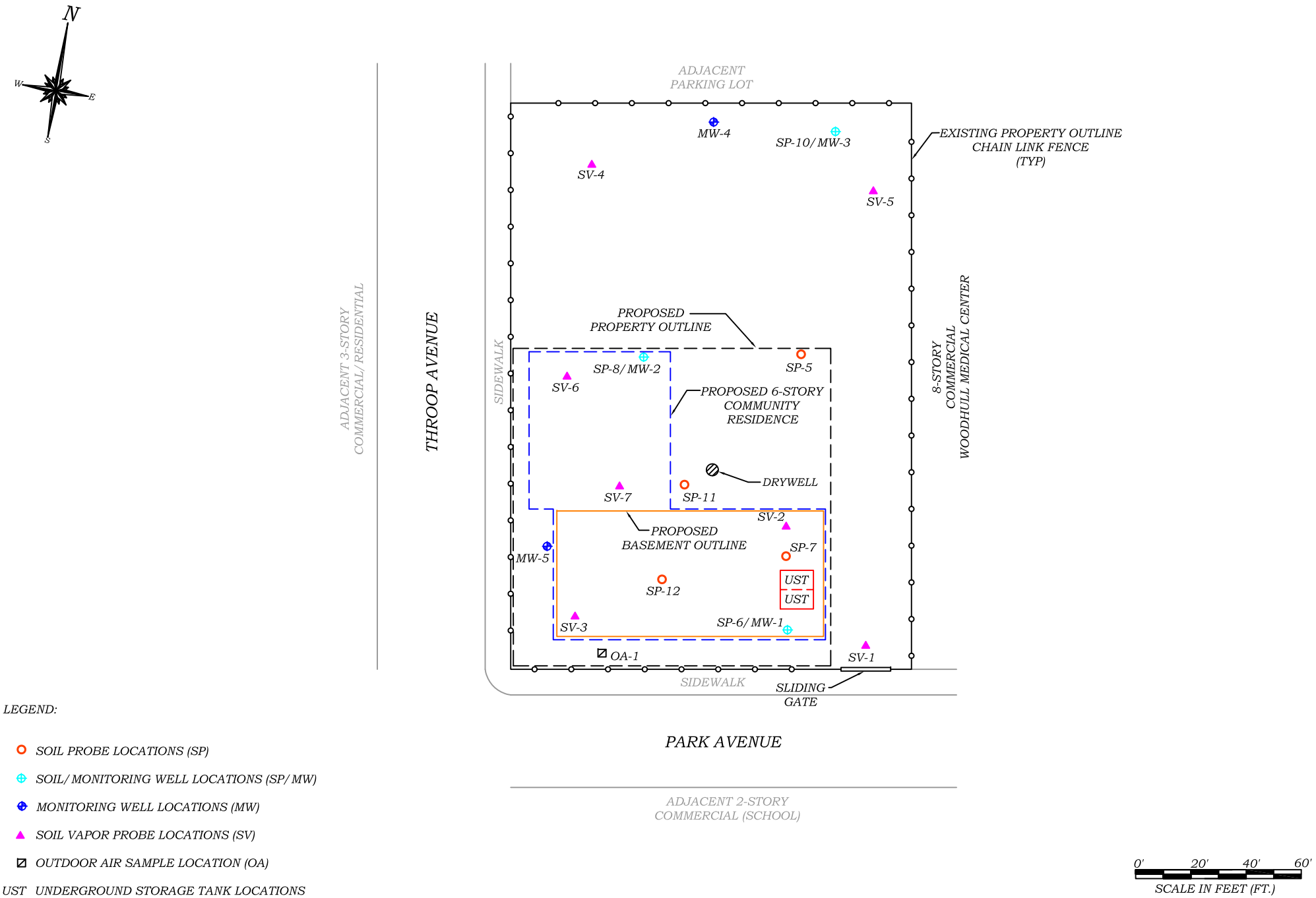
Regardless of the exemptions from the Hazardous Waste Program Fee and Special Assessment on Hazardous Waste, parties must:

- File a Hazardous Waste Annual Report with DEC by March 1 of each year if your site generated 15 tons or more of hazardous waste in the prior 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

- File a TP-550 Quarterly Return for Special Assessments on Hazardous Waste Generated in New York State form with the state Department of Taxation and Finance within 20 days of the end of the calendar quarter in which the waste was generated. For access to the TP-550 form and further instructions see http://www.tax.ny.gov/bus/haz/hzrdwste.htm.

Appendix 5

Additional RI Sampling Map



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www.hydrotechenvironmental.com

Woodhull Medical Center
Brooklyn, NY.
HTE Job # 160133

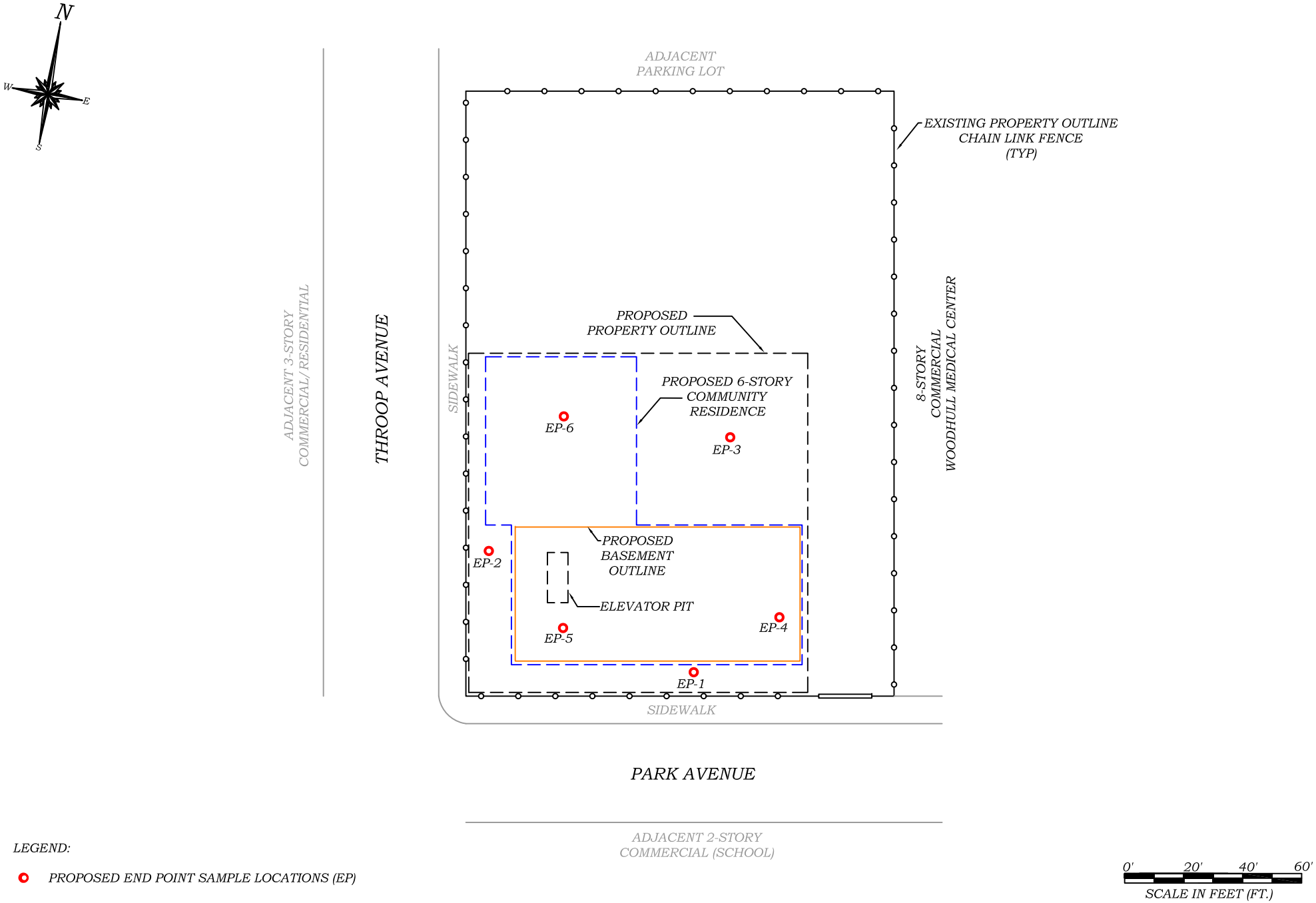
Drawn By: C.Q.
Reviewed By: A.I.
Approved By: M.R
Date: 08/02/16
Scale: AS NOTED

TITLE:

FIGURE 5: SITE SAMPLING PLAN

Appendix 6

End-Point Sampling Map



LEGEND:

PROPOSED END POINT SAMPLE LOCATIONS (EP)

HYDRO TECH ENVIRONMENTAL CORP.

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Approved By: M.R
Date: 06/3/16
Scale: AS NOTED

TITLE:

FIGURE 5: MAP OF ENDPOINT SAMPLE LOCATIONS

Appendix 7
BIG Program Insurance Fact Sheet

NYC Office of Environmental Remediation

NYC BIG Brownfield Incentive Grant Program

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.

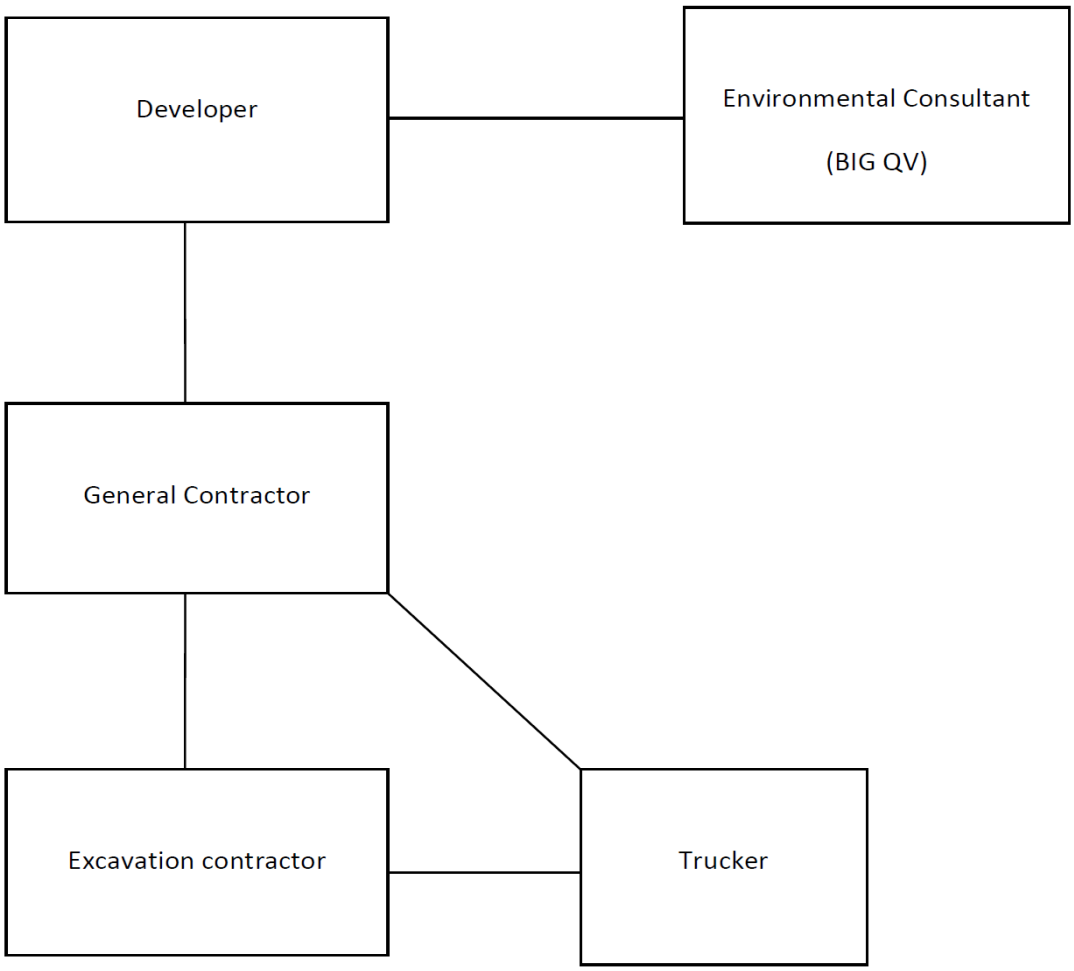
- Its environmental consultant(s) hired to oversee the cleanup must be:
  a. a BIG Qualifed Vendor; and
  b. maintain Professional Liability (PL) insurance of $1M per claim and annual aggregate.

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 8

Daily Report Template

#ONENYC NYC Office of Environmental Remediation

Daily Status Report Template
Version 1.4

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.:	16CVCP000M	E-Number Project No.:	16EHAN000M	Date:	01/01/2016
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		# # # # # # # ABC Facility New York, NY 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.:	16CCSB000				
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 9

Weekly / Monthly Report Template

WEEKLY / MONTHLY STATUS REPORT

Prepared By: Enter Your Name Here

VCP Project No.:	16CVCP000M	E-Number Project No.:	16EHAN000M	Date:	01/01/2016

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 10

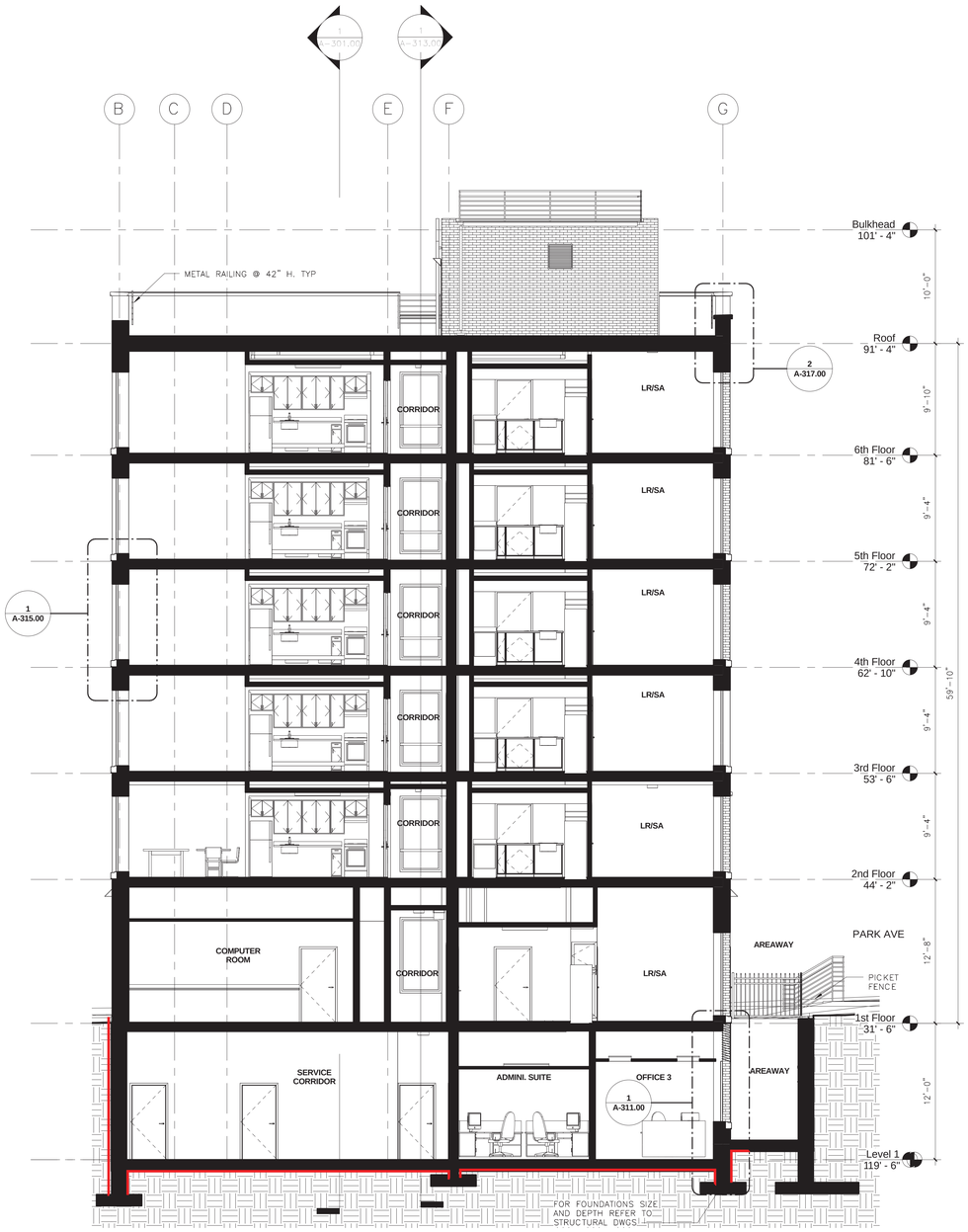
Soil Disposal and Trucking Log Sheet

Soil Disposal and Trucking Log Sheet

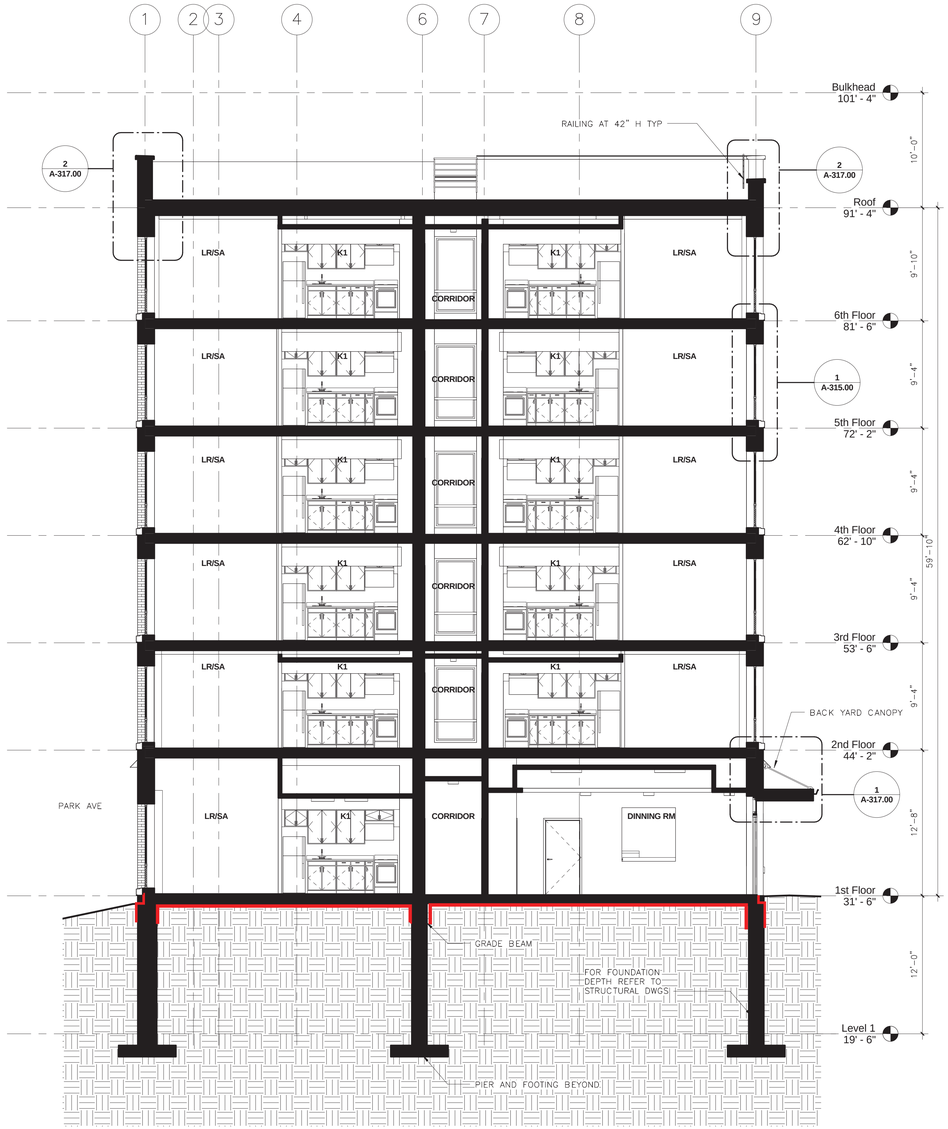
Shipment Date	Manifest Number	Transporter Name/Truck Name	License Plate	On-Site Location (approx. depth)	Off-Site Disposal Facility	Material Type (Contaminated soil, native soil, C&D, etc.)	Tonnage
8/25/2013	66357	ABC Trucking/201	NJ-AP458	WC-1(0-8')	Jones Landfill	Contaminated Soil	32.90

Appendix 11

Vapor Barrier Details



1 Section 1
3/16" = 1'-0"



2 Section 2
3/16" = 1'-0"

PROJECT:

WOODHULL COMMUNITY RESIDENCE

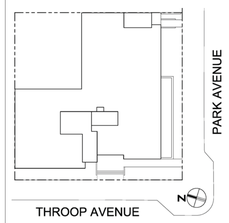
179 THROOP AVENUE
BROOKLYN, NY 11206

BLOCK: 1723
LOT: 2
NYC DOB #: 321196102

Developer:

comunilife
healthy living in community

COMUNILIFE WOODHULL HOUSING DEVELOPMENT CORPORATION
214 WEST 29TH STREET, 8TH FLOOR
NEW YORK, NEW YORK 10001



KEY PLAN

NO.	REVISION/SUBMISSION	DATE
5	BID DOCUMENTS	05/01/16
4	NYC HPD BLDS SUBMISSION	03/02/16
3	NYC DOB FILING	02/16/16
2	NYS HCR APPLICATION	12/03/15
1	NYC HPD BLDS SUBMISSION	10/12/15

SUBMISSION:
BID DOCUMENTS

ARCHITECT:
MONICA LOPEZ ARCHITECT, LLC
85 BROAD STREET, 18 FLOOR
NEW YORK, NY 10004
Tel 646.776.0825

REVIT CONSULTANT: IMC ARCHITECTURE DPC
254 36TH ST, UNIT #21
BLDG#2, 3RD FLR, SUITE C312
BROOKLYN, NY 11232

MEP ENGINEER: EMTG CONSULTING INC
115 WEST 30TH STREET, SUITE 202
NEW YORK, NY 10001

STRUCTURAL ENGINEER: GEDEON GRC CONSULTING
6901 JERICHO TURNPIKE, SUITE 216
SYOSSET, NY 11791

CIVIL ENGINEER: MICHAEL WEIN P.E.
135 COUNTRY CLUB DRIVE
MONROE TOWNSHIP, NJ 08831

SUSTAINABILITY: STEVEN WINTER ASSOCIATES
307 7th Ave #1701
NEW YORK, NY 10001

LANDSCAPE ARCHITECT: ARNOLD ASSOCIATES
40 WITHERSPOON STREET
PRINCETON, NJ 08542

SPECIFICATIONS: CONSPEC
539 ROSECLIFF COURT,
SOMERSET RUN
SOMERSET, NJ 08873

DO NOT SCALE FROM THIS DRAWING.
THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL THE RELEVANT DETAILS FOR THIS PROJECT

BUILDING SECTIONS

SEAL & SIGNATURE:

REGISTERED ARCHITECT
MONICA LOPEZ UREÑA
035859
STATE OF NEW YORK

PROJECT No: 15001
DRAWING BY: EM
CHK BY: ML

DRAWING NO:
A-300.00

SCALE: 3/16" = 1'-0"

1 Section 3
3/16" = 1'-0"

PROJECT:

WOODHULL COMMUNITY RESIDENCE

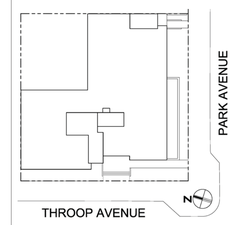
179 THROOP AVENUE
BROOKLYN, NY 11206

BLOCK: 1723
LOT: 2
NYC DOB #: 321196102

Developer:

comunilife
healthy living in community

COMUNILIFE WOODHULL HOUSING DEVELOPMENT CORPORATION
214 WEST 29TH STREET, 8TH FLOOR
NEW YORK, NEW YORK 10001



KEY PLAN

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SUBMISSION:
BID DOCUMENTS

ARCHITECT:
MONICA LOPEZ ARCHITECT, LLC
85 BROAD STREET, 18 FLOOR
NEW YORK, NY 10004
Tel 646.776.0825

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40 WITHERSPOON STREET
PRINCETON, NJ 08542

SPECIFICATIONS: CONSPEC
539 ROSECLIFF COURT,
SOMERSET RUN
SOMERSET, NJ 08873

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BUILDING SECTION

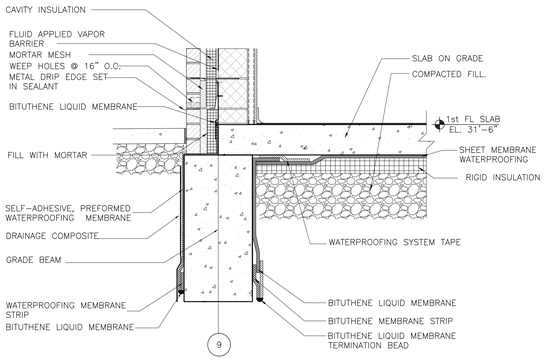
SEAL & SIGNATURE:

REGISTERED ARCHITECT MONICA LOPEZ UNGER 035659 STATE OF NEW YORK

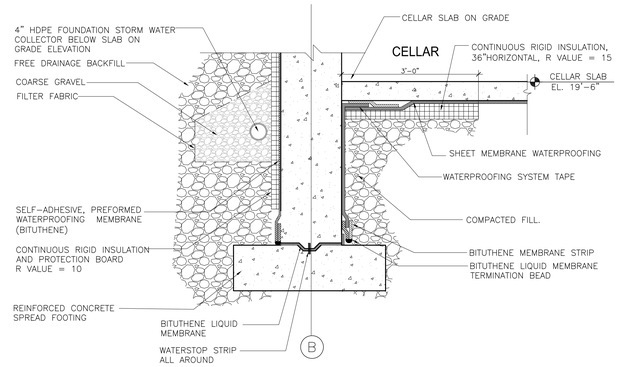
PROJECT No: 15001
DRAWING BY: EM
CHK BY: ML

DRAWING NO:
A-301.00

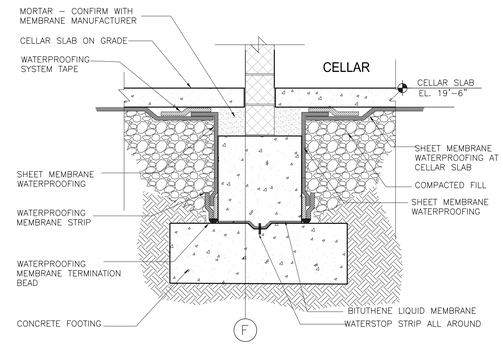
SCALE: 3/16" = 1'-0"



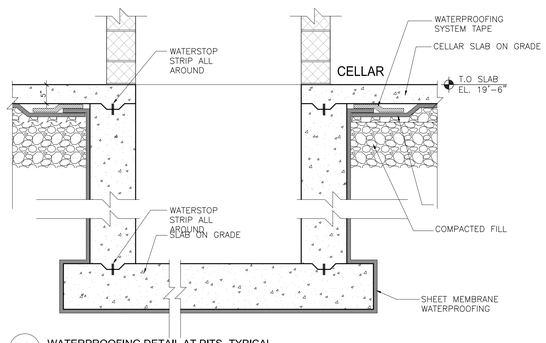
1 WATERPROOFING DETAIL ALONG 9 - GRADE BEAM
SCALE: 3/4" = 1'-0"



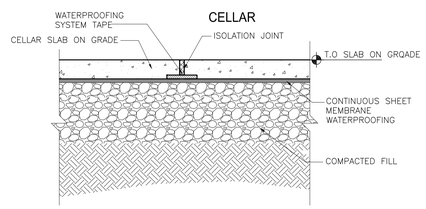
2 WATERPROOFING DETAIL ALONG B - FOOTING
SCALE: 3/4" = 1'-0"



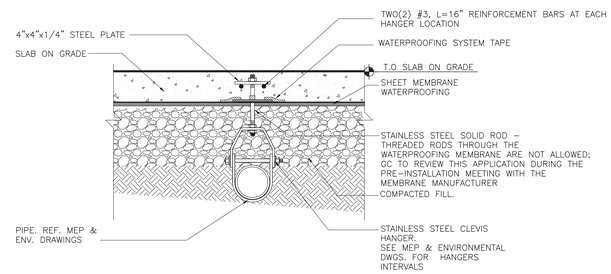
3 WATERPROOFING DETAIL ALONG F
SCALE: 3/4" = 1'-0"



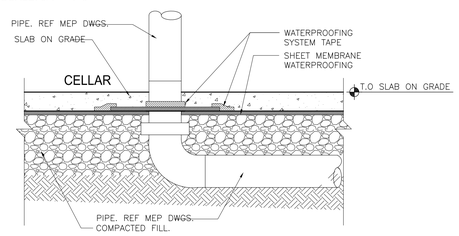
4 WATERPROOFING DETAIL AT PITS -TYPICAL
SCALE: 3/4" = 1'-0"



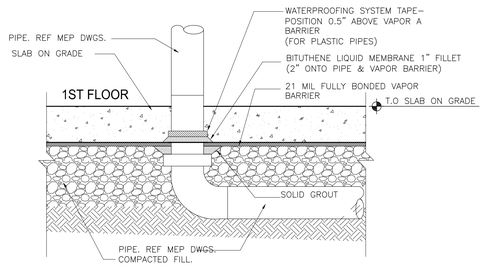
5 WATERPROOFING DETAIL @ SLAB JOINT
SCALE: 3/4" = 1'-0"



6 WATERPROOFING DETAIL @ PIPE HANGER PENETRATION
SCALE: 3/4" = 1'-0"



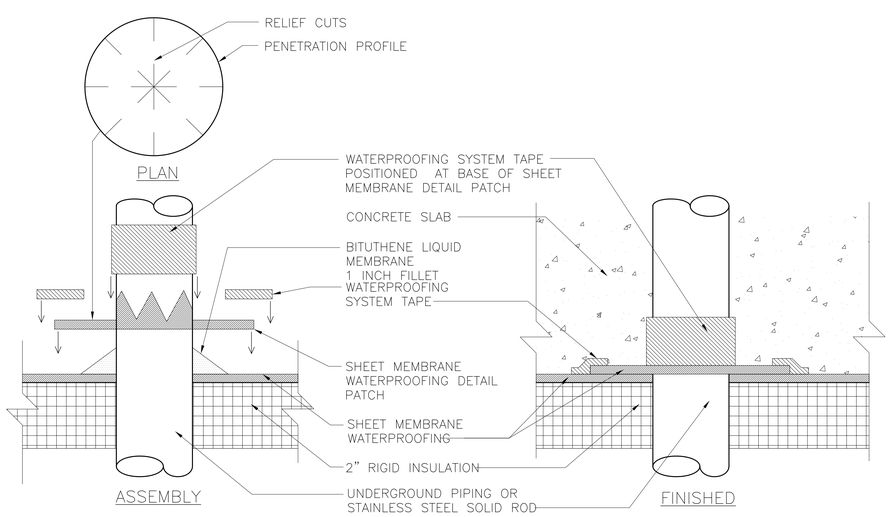
7 WATERPROOFING DETAIL @ PIPE PENETRATION
SCALE: 3/4" = 1'-0"



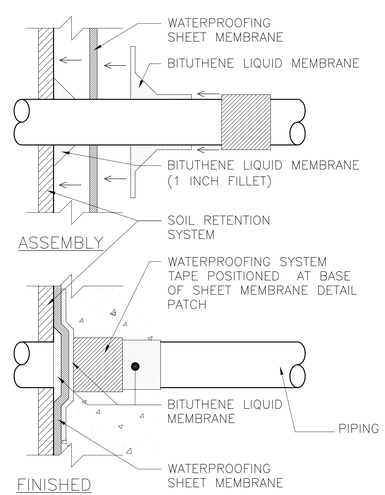
8 WATERPROOFING DETAIL @ PIPE PENETRATION
SCALE: 3/4" = 1'-0"

NOTE:
GENERAL CONTRACTOR TO REVIEW THESE DETAILS AND ALL OTHER WATERPROOFING AND VAPOR BARRIER DETAIL CONDITIONS WITH MANUFACTURER.

A COMPLETE WATERPROOFING AND VAPOR BARRIER SYSTEM MUST BE PROVIDED THROUGHOUT SLABS ON GRADE, PITS, FOOTINGS AND FOUNDATION WALLS, INCLUDING PIPING PENETRATIONS.



NOTE: ALL PENETRATIONS TO BE GROUTED. A MINIMUM OF 6 INCHES IS REQUIRED BETWEEN PENETRATIONS TO ENSURE PROPER DETAILING. AVOID PLACEMENT OF MULTIPLE PENETRATIONS. DETAIL AS PROVIDED BY GRACE CONSTRUCTION PRODUCTS.

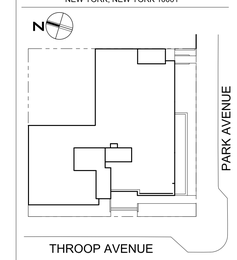


9 PIPE PENETRATION DETAILS
SCALE: 1 1/2" = 1'-0"

PROJECT:
WOODHULL COMMUNITY RESIDENCE
179 THROOP AVENUE,
BROOKLYN, NY 11206

BLOCK: 1723
LOT: 2
NYC DOB #: 321196102

Developer:
comunilife
healthy living in community
COMUNILIFE WOODHULL HOUSING DEVELOPMENT CORPORATION
214 WEST 29TH STREET, 8TH FLOOR
NEW YORK, NEW YORK 10001



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85 BROAD STREET, 18TH FL
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SPECIFICATIONS: CONSPEC
539 ROSECLIFF COURT,
SOMERSET RUN
SOMERSET, NJ 08873

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WATERPROOFING AND VAPOR BARRIER DETAILS

SEAL & SIGNATURE:

REGISTERED ARCHITECT MONICA LOPEZ URIBE 035659 STATE OF NEW YORK

PROJECT No: 15001
DRAWING BY: MLU
CHK BY: MLA

DRAWING NO:
A-330.00

SCALE: 3/4" = 1'-0"

Appendix 12

RIR/RAWP Certifications

CERTIFICATION

I, Mark Robbins, 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 179 Throop Avenue, Brooklyn, New York (NYC VCP Site No. 16CVCP079K). 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.

Mark E. Robbins	7/19/16	
Qualified Environmental Professional	Date	Signature

CERTIFICATION

I, Tarek Z. Khouri, 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 179 Throop Avenue site, site number 16CVCP079K. 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.

Tarek Z. Khouri, P.E.

Name

086611

PE License Number

Signature

6/14/2016

Date

PE Stamp

I, Mark E. Robbins, am a qualified Environmental Professional. I will have primary direct responsibility for implementation of the remedial program for the 179 Throop Avenue site, site number 16CVCP079K. 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.

Mark E. Robbins

QEP Name

QEP Signature

6/14/16

Date

Appendix 13

RIR Addendum Tables

Table 1
Soil Samples Analytical Results for VOCs
Woodhull Medical Center, Brooklyn NY

Sample ID	SP-6 (0-2)		SP-6 (2-4)		SP-7 (0-2)		SP-7 (2-4)		SP-8 (0-2)		SP-8 (12-14)		SP-9 (0-2)		SP-9 (12-14)		SP-10 (0-2)		SP-10 (12-14)		SP-11 (0-2')		SP-11 (12-14')		SP-12 (0-2')		SP-12 (12-14')		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	4/25/2016		4/25/2016		4/25/2016		4/25/2016		4/22/2016		4/22/2016		4/22/2016		4/22/2016		4/22/2016		4/22/2016		5/19/2016		5/19/2016		5/19/2016		5/19/2016			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	mg/Kg
1,1,1,2-Tetrachloroethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
1,1,1-Trichloroethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.68	100
1,1,2,2-Tetrachloroethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
1,1,2-Trichloroethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
1,1-Dichloroethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.27	26
1,1-Dichloroethylene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.33	100
1,1-Dichloropropylene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
1,2,3-Trichlorobenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
1,2,3-Trichloropropane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
1,2,4-Trichlorobenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
1,2,4-Trimethylbenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	3.6	52
1,2-Dibromo-3-chloropropane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
1,2-Dibromoethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
1,2-Dichlorobenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	1.1	100
1,2-Dichloroethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.02	3.1
1,2-Dichloropropane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
1,3,5-Trimethylbenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	8.4	52
1,3-Dichlorobenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	2.4	49
1,3-Dichloropropane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
1,4-Dichlorobenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	1.8	13
1,4-Dioxane	<0.11	U	<0.18	U	<0.046	U	<0.045	U	<0.077	U	<0.083	U	<0.081	U	<0.042	U	<0.057	U	<0.045	U	<0.05	U	<0.052	U	<0.055	U	<0.053	U	0.1	13
2,2-Dichloropropane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
2-Butanone	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.12	100
2-Chlorotoluene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
4-Chlorotoluene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Acetone	**0.030**		**0.050**		**0.012**		**0.011**		**0.013**	**J**	**0.018**		**0.024**		**0.0090**		**0.010**	**J**	**0.0093**		<0.005	U	<0.0052	U	<0.0055	U	**0.0095**	**J**	0.05	100
Benzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.06	4.8
Bromobenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Bromochloromethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Bromodichloromethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Bromoform	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Bromomethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Carbon tetrachloride	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.76	2.4
Chlorobenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	1.1	100
Chloroethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Chloroform	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.37	49
Chloromethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
cis-1,2-Dichloroethylene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.25	100
cis-1,3-Dichloropropylene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Dibromochloromethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Dibromomethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Dichlorodifluoromethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Ethyl Benzene	**0.044**		**0.039**		<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	**0.029**		<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	1	41
Hexachlorobutadiene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Isopropylbenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Methyl tert-butyl ether (MTBE)	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.93	100
Methylene chloride	<0.011	U	<0.018	U	<0.0046	U	<0.0045	U	<0.0077	U	<0.0083	U	<0.0081	U	<0.0042	U	<0.0057	U	<0.0045	U	**0.011**		**0.013**		**0.014**		**0.014**		0.05	100
Naphthalene	**0.016**	**J**	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	**0.0030**	**J**	12	100
n-Butylbenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	12	100
n-Propylbenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	3.9	100
o-Xylene	**0.098**		**0.091**		0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	**0.048**		<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
p- & m- Xylenes	**0.20**		**0.19**		**0.0054**	**J**	<0.0045	U	<0.0077	U	<0.0083	U	<0.0081	U	<0.0042	U	**0.12**		<0.0045	U	<0.005	U	<0.0052	U	<0.0055	U	<0.0053	U	NS	NS
p-Isopropyltoluene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
sec-Butylbenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	11	100
Styrene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
tert-Butylbenzene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	5.9	100
Tetrachloroethylene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	1.3	19
Toluene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.7	100
trans-1,2-Dichloroethylene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.19	100
trans-1,3-Dichloropropylene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Trichloroethylene	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.47	21
Trichlorofluoromethane	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Vinyl acetate	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	NS	NS
Vinyl Chloride	<0.0054	U	<0.0088	U	<0.0023	U	<0.0022	U	<0.0039	U	<0.0042	U	<0.0041	U	<0.0021	U	<0.0029	U	<0.0022	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0026	U	0.02	0.9
Total VOC's	0.388		0.37		0.0197		0.011		0.013		0.018		0.024		0.009		0.207		0.009		0.011		0.013		0.014		0.027		NS	NS

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
NS=this indicates that no regulatory limit has been established for this analyte
= Exceedences by NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

Table 2
Soil Samples Analytical Results for SVOCs
Woodhull Medical Center, Brooklyn NY

Sample ID	SP-6 (0-2)		SP-6 (2-4)		SP-7 (0-2)		SP-7 (2-4)		SP-8 (0-2)		SP-8 (12-14)		SP-9 (0-2)		SP-9 (12-14)		SP-10 (0-2)		SP-10 (12-14)		SP-11 (0-2')		SP-11 (12-14')		SP-12 (0-2')		SP-12 (12-14')		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	4/25/2016		4/25/2016		4/25/2016		4/25/2016		4/22/2016		4/22/2016		4/22/2016		4/22/2016		4/22/2016		4/22/2016		5/19/2016		5/19/2016		5/19/2016		5/19/2016			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	mg/Kg
1,2,4-Trichlorobenzene	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
1,2-Dichlorobenzene	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	1.1	100
1,3-Dichlorobenzene	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	2.4	49
1,4-Dichlorobenzene	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	1.8	13
2,4,5-Trichlorophenol	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
2,4,6-Trichlorophenol	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
2,4-Dichlorophenol	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
2,4-Dimethylphenol	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
2,4-Dinitrophenol	<0.0959	U	<0.094	U	<0.457	U	<0.0885	U	<0.092	U	<0.0443	U	<0.0947	U	<0.0449	U	<0.0943	U	<0.0936	U	<0.0958	U	<0.0919	U	<0.0935	U	<0.0946	U	NS	NS
2,4-Dinitrotoluene	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
2,6-Dinitrotoluene	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
2-Chloronaphthalene	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
2-Chlorophenol	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
2-Methylnaphthalene	<0.048	U	**0.107**	D	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
2-Methylphenol	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	0.33	100
2-Nitroaniline	<0.0959	U	<0.094	U	<0.457	U	<0.0885	U	<0.092	U	<0.0443	U	<0.0947	U	<0.0449	U	<0.0943	U	<0.0936	U	<0.0958	U	<0.0919	U	<0.0935	U	<0.0946	U	NS	NS
2-Nitrophenol	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
3- & 4-Methylphenols	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
3,3'-Dichlorobenzidine	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
3-Nitroaniline	<0.0959	U	<0.094	U	<0.457	U	<0.0885	U	<0.092	U	<0.0443	U	<0.0947	U	<0.0449	U	<0.0943	U	<0.0936	U	<0.0958	U	<0.0919	U	<0.0935	U	<0.0946	U	NS	NS
4,6-Dinitro-2-methylphenol	<0.0959	U	<0.094	U	<0.457	U	<0.0885	U	<0.092	U	<0.0443	U	<0.0947	U	<0.0449	U	<0.0943	U	<0.0936	U	<0.0958	U	<0.0919	U	<0.0935	U	<0.0946	U	NS	NS
4-Bromophenyl phenyl ether	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
4-Chloro-3-methylphenol	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
4-Chloroaniline	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
4-Chlorophenyl phenyl ether	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
4-Nitroaniline	<0.0959	U	<0.094	U	<0.457	U	<0.0885	U	<0.092	U	<0.0443	U	<0.0947	U	<0.0449	U	<0.0943	U	<0.0936	U	<0.0958	U	<0.0919	U	<0.0935	U	<0.0946	U	NS	NS
4-Nitrophenol	<0.0959	U	<0.094	U	<0.457	U	<0.0885	U	<0.092	U	<0.0443	U	<0.0947	U	<0.0449	U	<0.0943	U	<0.0936	U	<0.0958	U	<0.0919	U	<0.0935	U	<0.0946	U	NS	NS
Acenaphthene	**0.238**	D	**0.845**	D	**0.636**	D	<0.0444	U	<0.0461	U	<0.0222	U	**0.0636**	JD	<0.0225	U	**0.0678**	JD	<0.0469	U	<0.048	U	<0.0461	U	**0.111**	D	<0.0474	U	20	100
Acenaphthylene	**0.162**	D	**0.261**	D	**0.395**	JD	<0.0444	U	<0.0461	U	<0.0222	U	**0.0537**	JD	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	**0.0964**	D	<0.0474	U	100	100
Aniline	<0.192	U	<0.188	U	<0.916	U	<0.177	U	<0.184	U	<0.0887	U	<0.19	U	<0.0898	U	<0.189	U	<0.187	U	<0.192	U	<0.184	U	<0.187	U	<0.189	U	NS	NS
Anthracene	**0.666**	D	**1.88**	D	**2.37**	D	<0.0444	U	**0.0772**	JD	<0.0222	U	**0.207**	D	<0.0225	U	**0.207**	D	<0.0469	U	<0.048	U	<0.0461	U	**0.319**	D	**0.104**	D	100	100
Benzo(a)anthracene	**1.93**	D	**5.37**	D	**5.36**	D	<0.0444	U	**0.268**	D	<0.0222	U	**0.842**	D	<0.0225	U	**0.47**	D	<0.0469	U	<0.048	U	<0.0461	U	**0.551**	D	**0.204**	D	1	1
Benzo(a)pyrene	**0.512**	D	**2.21**	D	**3.25**	D	<0.0444	U	**0.229**	D	<0.0222	U	**0.529**	D	<0.0225	U	**0.179**	D	<0.0469	U	<0.048	U	<0.0461	U	**0.487**	D	**0.182**	D	1	1
Benzo(b)fluoranthene	**0.751**	D	**2.53**	D	**2.58**	D	<0.0444	U	**0.185**	D	<0.0222	U	**0.322**	D	<0.0225	U	**0.195**	D	<0.0469	U	**0.0536**	JD	<0.0461	U	**0.669**	D	**0.247**	D	1	1
Benzo(g,h,i)perylene	**0.312**	D	**1.28**	D	**1.17**	D	<0.0444	U	**0.124**	D	<0.0222	U	**0.301**	D	<0.0225	U	**0.133**	D	<0.0469	U	<0.048	U	<0.0461	U	**0.31**	D	**0.113**	D	100	100
Benzo(k)fluoranthene	**1.04**	D	**2.47**	D	**3.74**	D	<0.0444	U	**0.215**	D	<0.0222	U	**0.516**	D	<0.0225	U	**0.185**	D	<0.0469	U	<0.048	U	<0.0461	U	**0.354**	D	**0.144**	D	0.8	3.9
Benzyl alcohol	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Benzyl butyl phthalate	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Bis(2-chloroethoxy)methane	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Bis(2-chloroethyl)ether	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Bis(2-chloroisopropyl)ether	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Bis(2-ethylhexyl)phthalate	<0.048	U	**0.101**	D	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	**0.061**	JD	<0.0469	U	**0.218**	D	**0.207**	D	**0.271**	D	**0.23**	D	NS	NS
Chrysene	**2.06**	D	**5.65**	D	**5.83**	D	<0.0444	U	**0.254**	D	<0.0222	U	**0.808**	D	<0.0225	U	**0.461**	D	<0.0469	U	<0.048	U	<0.0461	U	**1.31**	D	**0.474**	D	1	3.9
Dibenzo(a,h)anthracene	**0.251**	D	**0.712**	D	**0.797**	D	<0.0444	U	**0.0618**	JD	<0.0222	U	**0.123**	D	<0.0225	U	**0.0716**	JD	<0.0469	U	<0.048	U	<0.0461	U	**0.059**	JD	<0.0474	U	0.33	0.33
Dibenzofuran	**0.0674**	JD	**0.315**	D	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	7	59
Diethyl phthalate	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Dimethyl phthalate	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Di-n-butyl phthalate	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Di-n-octyl phthalate	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Fluoranthene	**4.31**	D	**12.1**	D	**11.8**	D	<0.0444	U	**0.533**	D	<0.0222	U	**1.45**	D	<0.0225	U	**1**	D	**0.0755**	JD	**0.0865**	JD	<0.0461	U	**1.96**	D	**0.75**	D	100	100
Fluorene	**0.189**	D	**0.776**	D	**0.457**	JD	<0.0444	U	<0.0461	U	<0.0222	U	**0.0598**	JD	<0.0225	U	**0.0663**	JD	<0.0469	U	<0.048	U	<0.0461	U	**0.178**	D	**0.087**	JD	30	100
Hexachlorobenzene	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	0.33	1.2
Hexachlorobutadiene	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Hexachlorocyclopentadiene	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Hexachloroethane	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Indeno(1,2,3-cd)pyrene	**0.367**	D	**1.14**	D	**1.17**	D	<0.0444	U	**0.115**	D	<0.0222	U	**0.29**	D	<0.0225	U	**0.129**	D	<0.0469	U	<0.048	U	<0.0461	U	**0.289**	D	**0.107**	D	0.5	0.5
Isophorone	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Naphthalene	<0.048	U	**0.257**	D	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	12	100
Nitrobenzene	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
N-Nitrosodimethylamine	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
N-nitroso-di-n-propylamine	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
N-Nitrosodiphenylamine	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	NS	NS
Pentachlorophenol	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	0.8	6.7
Phenanthrene	**2.34**	D	**7.56**	D	**6.32**	D	<0.0444	U	**0.34**	D	<0.0222	U	**0.815**	D	<0.0225	U	**0.761**	D	<0.0469	U	<0.048	U	<0.0461	U	**1.51**	D	**0.45**	D	100	100
Phenol	<0.048	U	<0.0471	U	<0.229	U	<0.0444	U	<0.0461	U	<0.0222	U	<0.0475	U	<0.0225	U	<0.0473	U	<0.0469	U	<0.048	U	<0.0461	U	<0.0469	U	<0.0474	U	0.33	100
Pyrene	**4.03**	D	**10.8**	D	**10.9**	D	<0.0444	U	**0.437**	D	<0.0222	U	**1.29**	D	<0.0225	U	**1.03**	D	**0.0613**	JD	**0.0773**	JD	<0.0461	U	**1.87**	D	**0.667**	D	100	100
Pyridine	<0.192	U	<0.188	U	<0.916	U	<0.177	U	<0.184	U	<0.0887	U	<0.19	U	<0.0898	U	<0.189	U	<0.187	U	<0.192	U	<0.184	U	<0.187	U	<0.189	U	NS	NS
Total SVOCs	19.225		56.364		56.775		ND		2.839		ND		7.6701		ND		5.0167		0.1368		0.4354		0.207		10.3444		3.759		NS	NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

ND=analyte not detected at or above the level indicated

= Exceedences by NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

= Exceedences by NYSDEC Part 375 Restricted Use Soil Cleanup Objectives -Restricted Residential

Table 3

Soil Samples Analytical Results for Pesticides and PCB's

Woodhull Medical Center, Brooklyn NY

Sample ID	SP-6 (0-2)		SP-6 (2-4)		SP-7 (0-2)		SP-7 (2-4)		SP-8 (0-2)		SP-8 (12-14)		SP-9 (0-2)		SP-9 (12-14)		SP-10 (0-2)		SP-10 (12-14)		SP-11 (0-2')		SP-11 (12-14')		SP-12 (0-2')		SP-12 (12-14')		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	4/25/2016		4/25/2016		4/25/2016		4/25/2016		4/22/2016		4/22/2016		4/22/2016		4/22/2016		4/22/2016		4/22/2016		5/19/2016		5/19/2016		5/19/2016		5/19/2016			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	mg/Kg
4,4'-DDD	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	**0.00243**	**D**	<0.00175	U	**0.00996**	**D**	<0.00177	U	<0.00187	U	<0.00185	U	**0.0158**	**D**	<0.00182	U	**0.0157**	**D**	**0.00606**	**D**	0.0033	13
4,4'-DDE	**0.00285**	**D**	<0.00186	U	<0.00181	U	<0.00175	U	**0.00549**	**D**	<0.00175	U	**0.00817**	**D**	<0.00177	U	**0.00625**	**D**	**0.00409**	**D**	**0.0662**	**D**	<0.00182	U	**0.0325**	**D**	**0.0075**	**D**	0.0033	8.9
4,4'-DDT	**0.00546**	**D**	**0.0129**	**D**	**0.0116**	**D**	<0.00175	U	**0.00946**	**D**	<0.00175	U	**0.0122**	**D**	<0.00177	U	**0.00929**	**D**	**0.0256**	**D**	**0.0835**	**D**	<0.00201	U	**0.0371**	**D**	**0.0221**	**D**	0.0033	7.9
Aldrin	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	<0.00185	U	<0.00187	U	0.005	0.097
alpha-BHC	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	<0.00185	U	<0.00187	U	0.02	0.48
alpha-Chlordane	**0.00367**	**D**	<0.00186	U	<0.00181	U	<0.00175	U	**0.00879**	**D**	<0.00175	U	**0.0152**	**D**	<0.00177	U	**0.00421**	**D**	**0.00483**	**D**	**0.0272**	**D**	<0.00182	U	**0.0108**	**D**	**0.00554**	**D**	0.094	4.2
Aroclor 1016	<0.0191	U	<0.0188	U	<0.0183	U	<0.0177	U	<0.0184	U	<0.0177	U	<0.0189	U	<0.0179	U	<0.0188	U	<0.0187	U	<0.0191	U	<0.0184	U	<0.0187	U	<0.0189	U	NS	NS
Aroclor 1221	<0.0191	U	<0.0188	U	<0.0183	U	<0.0177	U	<0.0184	U	<0.0177	U	<0.0189	U	<0.0179	U	<0.0188	U	<0.0187	U	<0.0191	U	<0.0184	U	<0.0187	U	<0.0189	U	NS	NS
Aroclor 1232	<0.0191	U	<0.0188	U	<0.0183	U	<0.0177	U	<0.0184	U	<0.0177	U	<0.0189	U	<0.0179	U	<0.0188	U	<0.0187	U	<0.0191	U	<0.0184	U	<0.0187	U	<0.0189	U	NS	NS
Aroclor 1242	<0.0191	U	<0.0188	U	<0.0183	U	<0.0177	U	<0.0184	U	<0.0177	U	<0.0189	U	<0.0179	U	<0.0188	U	<0.0187	U	<0.0191	U	<0.0184	U	<0.0187	U	<0.0189	U	NS	NS
Aroclor 1248	<0.0191	U	<0.0188	U	<0.0183	U	<0.0177	U	<0.0184	U	<0.0177	U	<0.0189	U	<0.0179	U	<0.0188	U	<0.0187	U	<0.0191	U	<0.0184	U	<0.0187	U	<0.0189	U	NS	NS
Aroclor 1254	<0.0191	U	<0.0188	U	<0.0183	U	<0.0177	U	<0.0184	U	<0.0177	U	<0.0189	U	<0.0179	U	<0.0188	U	<0.0187	U	<0.0191	U	<0.0184	U	**0.0601**	**P**	<0.0189	U	NS	NS
Aroclor 1260	<0.0191	U	<0.0188	U	<0.0183	U	<0.0177	U	**0.0204**		<0.0177	U	<0.0189	U	<0.0179	U	**0.0279**		<0.0187	U	**0.034**		<0.0184	U	<0.0187	U	<0.0189	U	NS	NS
beta-BHC	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	<0.00185	U	<0.00187	U	0.036	0.36
Chlordane, total	<0.0759	U	<0.0744	U	<0.0724	U	<0.0701	U	**0.0956**	**D**	<0.0701	U	**0.266**	**D**	<0.071	U	<0.0746	U	<0.074	U	**0.39**	**D**	<0.0728	U	**0.357**	**D**	**0.101**	**D**	NS	NS
delta-BHC	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	<0.00185	U	<0.00187	U	0.04	100
Dieldrin	**0.00228**	**D**	<0.00186	U	**0.00302**	**D**	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	<0.00185	U	<0.00187	U	0.005	0.2
Endosulfan I	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	<0.00185	U	<0.00187	U	2.4	24
Endosulfan II	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	<0.00185	U	<0.00187	U	2.4	24
Endosulfan sulfate	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	<0.00185	U	<0.00187	U	2.4	24
Endrin	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	<0.00185	U	<0.00187	U	0.014	11
Endrin aldehyde	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	<0.00185	U	<0.00187	U	NS	NS
Endrin ketone	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	<0.00185	U	<0.00187	U	NS	NS
gamma-BHC (Lindane)	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	<0.00185	U	<0.00187	U	0.1	1.3
gamma-Chlordane	**0.00372**	**D**	<0.00186	U	<0.00181	U	<0.00175	U	**0.00923**	**D**	<0.00175	U	**0.0222**	**D**	0.00177	U	**0.00385**	**D**	**0.00362**	**D**	**0.0253**	**D**	<0.00182	U	**0.0157**	**D**	**0.00615**	**D**	NS	NS
Heptachlor	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	<0.0019	U	<0.00182	U	**0.00219**	**D**	<0.00187	U	0.042	2.1
Heptachlor epoxide	<0.0019	U	<0.00186	U	<0.00181	U	<0.00175	U	<0.00182	U	<0.00175	U	<0.00187	U	<0.00177	U	<0.00187	U	<0.00185	U	**0.00395**	**D**	<0.00182	U	**0.00343**	**D**	<0.00187	U	NS	NS
Methoxychlor	<0.00948	U	<0.00929	U	<0.00905	U	<0.00876	U	<0.0091	U	<0.00876	U	<0.00937	U	<0.00887	U	<0.00933	U	0.00926	U	<0.00948	U	<0.00909	U	<0.00925	U	<0.00936	U	NS	NS
Toxaphene	<0.096	U	<0.0941	U	<0.0916	U	<0.0886	U	<0.0921	U	<0.0887	U	<0.0948	U	<0.0898	U	<0.0944	U	<0.0937	U	<0.0959	U	<0.092	U	<0.0936	U	<0.0947	U	NS	NS
Total PCBs	<0.0191	U	<0.0188	U	<0.0183	U	<0.0177	U	**0.0204**		<0.0177	U	<0.0189	U	<0.0179	U	**0.0279**		<0.0187	U	**0.0365**		<0.0184	U	**0.0601**		<0.0189	U	0.1	1

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

= Exceedences by NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

Table 4

Soil Samples Analytical Results for Metals

Woodhull Medical Center, Brooklyn NY

Sample ID	SP-6 (0-2)		SP-6 (2-4)		SP-7 (0-2)		SP-7 (2-4)		SP-8 (0-2)		SP-8 (12-14)		SP-9 (0-2)		SP-9 (12-14)		SP-10 (0-2)		SP-10 (12-14)		SP-11 (0-2')		SP-11 (12-14')		SP-12 (0-2')		SP-12 (12-14')		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	4/25/2016		4/25/2016		4/25/2016		4/25/2016		4/22/2016		4/22/2016		4/22/2016		4/22/2016		4/22/2016		4/22/2016		5/19/2016		5/19/2016		5/19/2016		5/19/2016			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	mg/Kg
Aluminum	8490		7440		7050		5850		7,140		5,980		7,430		5,750		7,710		8,820		7250		6040		7180		5680		NS	NS
Antimony	<0.575	U	<0.563	U	<0.549	U	<0.531	U	<0.551	U	<0.531	U	<0.568	U	<0.538	U	<0.565	U	<0.561	U	<0.574	U	<0.551	U	<0.561	U	<0.567	U	NS	NS
Arsenic	7.97		6.6		6.4		1.72		9.56		4.67		8.66		1.50		3.11		3.82		4.39		<1.1	U	9.68		2.21		13	16
Barium	189		662		276		42.4		89.90		40.70		709		20.90		207		46.80		91.8		27.1		151		135		350	400
Beryllium	0.211		0.121		0.164		0.209		0.17		0.28		0.19		0.18		0.25		0.29		0.184		0.301		<0.112	U	<0.113	U	7.2	72
Cadmium	<0.345	U	0.425		0.393		<0.319	U	0.34		<0.319	U	0.68		<0.323	U	<0.339	U	<0.337	U	<0.345	U	<0.331	U	<0.336	U	<0.34	U	2.5	4.3
Calcium	40700		36800		33800		672		44,000		608		29,200		343		6,910		1,830		17400		978		51300		8040		NS	NS
Chromium	17.8		23.5		21.7		15.8		19.80		24.20		23.50		11.90		21.10		16.70		15.6		13.4		26.7		12.4		NS	NS
Chromium, Hexavalent	1.52		<0.563	U	<0.549	U	<0.531	U	NT		NT		NT		NT		NT		NT		<0.574	U	<0.551	U	0.897		<0.567	U	1	110
Chromium, Trivalent	17.8		23.5		21.7		15.8		NT		NT		NT		NT		NT		NT		13.6		12.2		23		11		30	180
Cobalt	4.97		7.01		6.68		6.38		6		8.12		7		5.59		8.56		7.31		6.69		7.55		5.57		5.48		NS	NS
Copper	18.7		25.8		29.7		11.6		27.80		13.80		37.70		12.80		35.10		23		25.3		16.7		33.6		18.5		50	270
Iron	14100		13500		16100		18600		15,600		24,600		15,700		15,600		20,400		20,700		17000		39800	D	10900		12100		NS	NS
Lead	297		686		490		4.41		83.80		5.23		251		4.02		134		52.30		93.3		21.6		102		111		63	400
Magnesium	4860		3550		4370		1350		5,430		1,500		2,800		1,490		3,390		2,570		2430		1750		3290		2880		NS	NS
Manganese	304		268		310		399		359		549		362		245		327		216		360		416		231		245		1600	2000
Mercury	0.159		0.401		0.424		<0.0319	U	0.35		<0.0319	U	0.42		<0.0323	U	0.59		0.099		0.422		<0.0331	U	0.326		0.571		0.18	0.81
Nickel	16.5	B	26.1	B	23	B	12	B	15.20		13.60		17.20		10.80		17.10		16.10		13.2		16.1		16.6		16		30	310
Potassium	755		848		1020		544		998		579		751		660		1,010		852		838		586		709		1070		NS	NS
Selenium	<1.15	U	<1.13	U	<1.1	U	2.15		1.63		2.20		<1.14	U	1.50		1.15		<1.12	U	1.99		4.87		1.24		1.43		3.9	180
Silver	<0.575	U	<0.563	U	<0.549	U	<0.531	U	<0.551	U	<0.531	U	<0.568	U	<0.538	U	<0.565	U	<0.561	U	<0.574	U	<0.551	U	<0.561	U	<0.567	U	2	180
Sodium	969		573		384		161		379		136		249		104		147		124		187		107		296		174		NS	NS
Thallium	<1.15	U	<1.13	U	<1.1	U	<1.06	U	<1.1	U	<1.06	U	<1.14	U	<1.08	U	<1.13	U	<1.12	U	<1.15	U	<1.1	U	<1.12	U	<1.13	U	NS	NS
Vanadium	27.2		25.4		29		24.3		29.70		24.50		30.90		19.80		32.60		24.60		25.5		29		20.5		18.2		NS	NS
Zinc	199		260		243		20.8		89.70		21.90		275		25.70		158		48.10		93.8		36.5		117		110		109	10000

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

NT=this indicates the analyte was not a target for this sample

= Exceedences by NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

= Exceedences by NYSDEC Part 375 Restricted Use Soil Cleanup Objectives -Restricted Residential

Table 5
Groundwater Samples Analytical Results for VOC's
Woodhull Medical Center, Brooklyn NY

Sample ID	MW-1		MW-2		MW-3		MW-4		MW-5		TB01		TB02		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		
Client Matrix	Water		Water		Water		Water		Water		Water		Water		
Compound	Result		Result		Result		Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
1,1,1,2-Tetrachloroethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,1,1-Trichloroethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,1,2,2-Tetrachloroethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,1,2-Trichloroethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	1
1,1-Dichloroethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,1-Dichloroethylene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,1-Dichloropropylene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,2,3-Trichlorobenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,2,3-Trichloropropane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	0.04
1,2,4-Trichlorobenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,2,4-Trimethylbenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,2-Dibromo-3-chloropropane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	0.04
1,2-Dibromoethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,2-Dichlorobenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	3
1,2-Dichloroethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	0.6
1,2-Dichloropropane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	1
1,3,5-Trimethylbenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,3-Dichlorobenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	3
1,3-Dichloropropane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
1,4-Dichlorobenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	3
2,2-Dichloropropane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
2-Butanone	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	50
2-Chlorotoluene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
4-Chlorotoluene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Acetone	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	50
Benzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	1
Bromobenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Bromochloromethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Bromodichloromethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	50
Bromoform	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	50
Bromomethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Carbon tetrachloride	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Chlorobenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Chloroethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Chloroform	**8.50**		**14**		<2.5	U	<2.5	U	**13**		<2.5	U	<2.5	U	7
Chloromethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
cis-1,2-Dichloroethylene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
cis-1,3-Dichloropropylene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	0.4
Dibromochloromethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	50
Dibromomethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	NS
Dichlorodifluoromethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Ethyl Benzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Hexachlorobutadiene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	0.5
Isopropylbenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Methyl tert-butyl ether (MTBE)	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	10
Methylene chloride	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Naphthalene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	10
n-Butylbenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
n-Propylbenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
o-Xylene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
p- & m- Xylenes	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	5
p-Isopropyltoluene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
sec-Butylbenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Styrene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
tert-Butylbenzene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Tetrachloroethylene	<2.5	U	**2.60**	**J**	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Toluene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
trans-1,2-Dichloroethylene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
trans-1,3-Dichloropropylene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	0.4
Trichloroethylene	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Trichlorofluoromethane	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	5
Vinyl acetate	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	NS
Vinyl Chloride	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	2
Total VOC's	**8.50**		**16.60**		ND		ND		**13.00**		ND		ND		NS

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
NS=this indicates that no regulatory limit has been established for this analyte
ND=analyte not detected at or above the level indicated

Table 6
Groundwater Samples Analytical Results for SVOC's
Woodhull Medical Center, Brooklyn NY

Sample ID	MW-1		MW-2		MW-3		MW-4		MW-5		TB01		TB02		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		
Client Matrix	Water		Water		Water		Water		Water		Water		Water		
Compound	Result		Result		Result		Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
1,2,4-Trichlorobenzene	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
1,2-Dichlorobenzene	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		3
1,3-Dichlorobenzene	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		3
1,4-Dichlorobenzene	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		3
2,4,5-Trichlorophenol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		1
2,4,6-Trichlorophenol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		1
2,4-Dichlorophenol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
2,4-Dimethylphenol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		50
2,4-Dinitrophenol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		10
2,4-Dinitrotoluene	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
2,6-Dinitrotoluene	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
2-Chloronaphthalene	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		10
2-Chlorophenol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		1
2-Methylnaphthalene	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		NS
2-Methylphenol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		1
2-Nitroaniline	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
2-Nitrophenol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		1
3- & 4-Methylphenols	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		NS
3,3'-Dichlorobenzidine	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
3-Nitroaniline	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
4,6-Dinitro-2-methylphenol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		NS
4-Bromophenyl phenyl ether	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		NS
4-Chloro-3-methylphenol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		1
4-Chloroaniline	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
4-Chlorophenyl phenyl ether	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		NS
4-Nitroaniline	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
4-Nitrophenol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		1
Acenaphthene	<0.0526	U	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		20
Acenaphthylene	<0.0526	U	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		NS
Aniline	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
Anthracene	<0.0526	U	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		50
Benzo(a)anthracene	**0.0526**	**J**	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		0.002
Benzo(a)pyrene	<0.0526	U	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		0.002
Benzo(b)fluoranthene	<0.0526	U	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		0.002
Benzo(g,h,i)perylene	<0.0526	U	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		NS
Benzo(k)fluoranthene	<0.0526	U	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		0.002
Benzyl alcohol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		NS
Benzyl butyl phthalate	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		50
Bis(2-chloroethoxy)methane	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
Bis(2-chloroethyl)ether	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		1
Bis(2-chloroisopropyl)ether	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
Bis(2-ethylhexyl)phthalate	<0.526	U	<0.541	U	<0.526	U	<0.541	U	<0.513	U	NT		NT		5
Chrysene	<0.0526	U	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		0.002
Dibenzo(a,h)anthracene	<0.0526	U	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		NS
Dibenzofuran	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		NS
Diethyl phthalate	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		50
Dimethyl phthalate	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		50
Di-n-butyl phthalate	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		50
Di-n-octyl phthalate	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		50
Fluoranthene	**0.0737**		<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		50
Fluorene	<0.0526	U	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		50
Hexachlorobenzene	<0.0211	U	<0.0216	U	<0.0211	U	<0.0216	U	<0.0205	U	NT		NT		0.04
Hexachlorobutadiene	<0.526	U	<0.541	U	<0.526	U	<0.541	U	<0.513	U	NT		NT		0.5
Hexachlorocyclopentadiene	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		5
Hexachloroethane	<0.526	U	<0.541	U	<0.526	U	<0.541	U	<0.513	U	NT		NT		5
Indeno(1,2,3-cd)pyrene	<0.0526	U	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		0.002
Isophorone	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		50
Naphthalene	<0.0526	U	<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		10
Nitrobenzene	<0.263	U	<0.27	U	<0.263	U	<0.27	U	<0.256	U	NT		NT		0.4
N-Nitrosodimethylamine	<0.526	U	<0.541	U	<0.526	U	<0.541	U	<0.513	U	NT		NT		NS
N-nitroso-di-n-propylamine	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		NS
N-Nitrosodiphenylamine	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		50
Pentachlorophenol	<0.263	U	<0.27	U	<0.263	U	<0.27	U	<0.256	U	NT		NT		1
Phenanthrene	**0.0737**		<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		50
Phenol	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		1
Pyrene	**0.0632**		<0.0541	U	<0.0526	U	<0.0541	U	<0.0513	U	NT		NT		50
Pyridine	<2.63	U	<2.7	U	<2.63	U	<2.7	U	<2.56	U	NT		NT		50
Total SVOC's	**0.26**		ND		ND		ND		ND		NT		NT		NS

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
NT=this indicates the analyte was not a target for this sample
NS=this indicates that no regulatory limit has been established for this analyte
ND=analyte not detected at or above the level indicated

Table 7

Groundwater Samples Analytical Results for Pesticides and PCBs

Woodhull Medical Center, Brooklyn NY

Sample ID	MW-1		MW-2		MW-3		MW-4		MW-5		TB01		TB02		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		
Client Matrix	Water		Water		Water		Water		Water		Water		Water		
Compound	Result		Result		Result		Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
4,4'-DDD	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		0.3
4,4'-DDE	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		0.2
4,4'-DDT	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		0.2
Aldrin	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		NS
alpha-BHC	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		0.01
alpha-Chlordane	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		NS
Aroclor 1016	<0.0541	U	<0.0513	U	<0.0556	U	<0.0526	U	<0.0571	U	NT		NT		NS
Aroclor 1221	<0.0541	U	<0.0513	U	<0.0556	U	<0.0526	U	<0.0571	U	NT		NT		NS
Aroclor 1232	<0.0541	U	<0.0513	U	<0.0556	U	<0.0526	U	<0.0571	U	NT		NT		NS
Aroclor 1242	<0.0541	U	<0.0513	U	<0.0556	U	<0.0526	U	<0.0571	U	NT		NT		NS
Aroclor 1248	<0.0541	U	<0.0513	U	<0.0556	U	<0.0526	U	<0.0571	U	NT		NT		NS
Aroclor 1254	<0.0541	U	<0.0513	U	<0.0556	U	<0.0526	U	<0.0571	U	NT		NT		NS
Aroclor 1260	<0.0541	U	<0.0513	U	<0.0556	U	<0.0526	U	<0.0571	U	NT		NT		NS
beta-BHC	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		0.04
Chlordane, total	<0.0432	U	<0.041	U	<0.0444	U	<0.0421	U	<0.0457	U	NT		NT		0.05
delta-BHC	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		0.04
Dieldrin	<0.00216	U	<0.00205	U	<0.00222	U	<0.00211	U	<0.00229	U	NT		NT		0.004
Endosulfan I	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		NS
Endosulfan II	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		NS
Endosulfan sulfate	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		NS
Endrin	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		NS
Endrin aldehyde	<0.0108	U	<0.0103	U	<0.0111	U	<0.0105	U	<0.0114	U	NT		NT		5
Endrin ketone	<0.0108	U	<0.0103	U	<0.0111	U	<0.0105	U	<0.0114	U	NT		NT		5
gamma-BHC (Lindane)	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		0.05
gamma-Chlordane	<0.0108	U	<0.0103	U	<0.0111	U	<0.0105	U	<0.0114	U	NT		NT		NS
Heptachlor	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		0.04
Heptachlor epoxide	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		0.03
Methoxychlor	<0.00432	U	<0.0041	U	<0.00444	U	<0.00421	U	<0.00457	U	NT		NT		35
Toxaphene	<0.108	U	<0.103	U	<0.111	U	<0.105	U	<0.114	U	NT		NT		
Total PCBs	<0.0541	U	<0.0513	U	<0.0556	U	<0.0526	U	<0.0571	U	NT		NT		0.09

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NT=this indicates the analyte was not a target for this sample

NS=this indicates that no regulatory limit has been established for this analyte

Table 8
Groundwater Samples Analytical Results for
Woodhull Medical Center, Brooklyn NY

Sample ID	MW-1		MW-2		MW-3		MW-4		MW-5		TB01		TB02		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		
Client Matrix	Water		Water		Water		Water		Water		Water		Water		
Compound	Result		Result		Result		Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
Aluminum	1,280		99		56	U	56	U	159		NT		NT		NS
Antimony	<6	U	<6	U	<6	U	<6	U	<6	U	NT		NT		3
Arsenic	**6**		**6**		**4**	**U**	**4**	**U**	**6**		NT		NT		25
Barium	**55**		**32**		**71**		**95**		**77**		NT		NT		1000
Beryllium	1	U	1	U	1	U	1	U	1	U	NT		NT		3
Cadmium	3	U	3	U	3	U	3	U	3	U	NT		NT		5
Calcium	**137,000**		**147,000**		**81,100**		**98,400**		**90,500**		NT		NT		NS
Chromium	<6	U	<6	U	<6	U	<6	U	<6	U	NT		NT		50
Chromium, Hexavalent	10	U	10	U	10	U	10	U	10	U	NT		NT		50
Chromium, Trivalent	10	U	10	U	10	U	10	U	10	U	NT		NT		NS
Cobalt	<6	U	<6	U	<6	U	<6	U	<6	U	NT		NT		NS
Copper	**6**		**5**		**4**		**4**		3	U	NT		NT		200
Iron	**1,680**		**243**		**36**		**44**		**400**		NT		NT		NS
Lead	**4**		<3	U	<3	U	<3	U	<3	U	NT		NT		25
Magnesium	**24,500**		**41,000**		**36,900**		**16,500**		**18,900**		NT		NT		35000
Manganese	**649**		**1,230**		**42**		**23**		**1,480**		NT		NT		300
Mercury	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	NT		NT		0.7
Nickel	**22**		**15**		<6	U	<6	U	**9**		NT		NT		100
Potassium	**5,150**	**B**	**10,300**	**B**	**9,480**	**B**	**10,500**	**B**	**5,140**	**B**	NT		NT		NS
Selenium	**11**	U	**11**	U	**11**	U	**11**	U	**11**	U	NT		NT		10
Silver	<6	U	<6	U	<6	U	<6	U	<6	U	NT		NT		50
Sodium	**50,500**		**38,200**		**48,200**		**38,600**		**30,000**		NT		NT		20000
Thallium	<6	U	<6	U	<6	U	<6	U	<6	U	NT		NT		NS
Vanadium	<11	U	<11	U	<11	U	<11	U	<11	U	NT		NT		NS
Zinc	**17**		**12**		**12**		**15**		<11	U	NT		NT		2000
Metals, Target Analyte, Dissolved															
Aluminum	<56	U	<56	U	<56	U	<56	U	<56	U	NT		NT		NS
Antimony	**13**	**B**	**10**	**B**	**7**	**B**	**10**	**B**	**7**	**B**	NT		NT		3
Arsenic	<4	U	<4	U	<4	U	<4	U	<4	U	NT		NT		25
Barium	**42**		**31**		**70**		**85**		**70**		NT		NT		1000
Beryllium	<1	U	<1	U	<1	U	<1	U	<1	U	NT		NT		3
Cadmium	<3	U	<3	U	<3	U	<3	U	<3	U	NT		NT		5
Calcium	**135,000**		**158,000**		**81,300**		**93,400**		**95,600**		NT		NT		NS
Chromium	<6	U	<6	U	<6	U	<6	U	<6	U	NT		NT		50
Cobalt	<6	U	<6	U	<6	U	<6	U	<6	U	NT		NT		NS
Copper	**5**		**7**		**6**		**4**		**4**		NT		NT		200
Iron	**38**		**53**		**73**		**72**		**67**		NT		NT		NS
Lead	**4**		**4**		<3	U	<3	U	<3	U	NT		NT		25
Magnesium	**23,500**		**44,400**		**37,900**		**15,800**		**20,000**		NT		NT		35000
Manganese	**540**		**1,270**		**39**		**23**		**1,470**		NT		NT		300
Mercury	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	NT		NT		0.7
Nickel	<6	U	<6	U	<6	U	<6	U	<6	U	NT		NT		100
Potassium	**5,470**	**B**	**12,100**	**B**	**10,600**	**B**	**10,900**	**B**	**6,030**	**B**	NT		NT		NS
Selenium	11	U	**15**		11	U	11	U	11	U	NT		NT		10
Silver	<6	U	<6	U	<6	U	<6	U	<6	U	NT		NT		50
Sodium	**51,500**		**42,600**		**49,800**		**37,800**		**32,800**		NT		NT		20000
Thallium	<6	U	<6	U	<6	U	<6	U	<6	U	NT		NT		NS
Vanadium	<11	U	<11	U	<11	U	<11	U	<11	U	NT		NT		NS
Zinc	**16**		<11	U	**14**		<11	U	<11	U	NT		NT		2000

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
NT=this indicates the analyte was not a target for this sample
NS=this indicates that no regulatory limit has been established for this analyte
ND=analyte not detected at or above the level indicated

Table 9
Soil Vapor Samples Analytical Results
Woodhull Medical Center, Brooklyn NY

Sample ID	SV-1		SV-2		SV-3		SV-4		SV-5		SV-6		SV-7		OA-1		NYSDOH Background Standards - Indoor Air (25th - 75th Pctl)
Sampling Date	4/26/2016		4/26/2016		4/26/2016		4/26/2016		4/26/2016		5/19/2016		5/19/2016		4/26/2016		
Client Matrix	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Outdoor Ambient Air		
Compound	Result		Result		Result		Result		Result		Result		Result		Result		
Units	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3
1,1,1,2-Tetrachloroethane	<15	U	<15	U	<15	U	<13	U	<1.4	U	<15	U	<1.6	U	<0.74	U	NS
1,1,1-Trichloroethane	<12	U	<12	U	<12	U	<10	U	<1.1	U	<12	U	<1.3	U	<0.59	U	<0.25 - 1.1
1,1,2,2-Tetrachloroethane	<15	U	<15	U	<15	U	<13	U	<1.4	U	<15	U	<1.6	U	<0.74	U	<0.25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<17	U	<16	U	<17	U	<14	U	<1.6	U	<17	U	<1.8	U	<0.83	U	<0.25 - 1.1
1,1,2-Trichloroethane	<12	U	<12	U	<12	U	<10	U	<1.1	U	<12	U	<1.3	U	<0.59	U	<0.25
1,1-Dichloroethane	<8.9	U	<8.6	U	<8.9	U	<7.4	U	<0.85	U	<9	U	<0.96	U	<0.44	U	<0.25
1,1-Dichloroethylene	<8.8	U	<8.4	U	<8.7	U	<7.3	U	<0.83	U	<8.8	U	<0.94	U	<0.43	U	<0.25
1,2,4-Trichlorobenzene	<16	U	<16	U	<16	U	<14	U	<1.6	U	<17	U	<1.8	U	<0.8	U	<0.25
1,2,4-Trimethylbenzene	**140**	**D**	**120**	**D**	**230**	**D**	**230**	**D**	**130**	**D**	**390**	**D**	**75**	**D**	<0.53	U	0.7 - 4.3
1,2-Dibromoethane	<17	U	<16	U	<17	U	<14	U	<1.6	U	<17	U	<1.8	U	<0.83	U	<0.25
1,2-Dichlorobenzene	<13	U	<13	U	<13	U	<11	U	<1.3	U	<13	U	<1.4	U	<0.65	U	<0.25
1,2-Dichloroethane	<8.9	U	<8.6	U	<8.9	U	<7.4	U	<0.85	U	<9	U	<0.96	U	<0.44	U	<0.25
1,2-Dichloropropane	<10	U	<9.8	U	<10	U	<8.5	U	<0.97	U	<10	U	<1.1	U	<0.5	U	<0.25
1,2-Dichlorotetrafluoroethane	<15	U	<15	U	<15	U	<13	U	<1.5	U	<16	U	<1.7	U	<0.76	U	<0.25
1,3,5-Trimethylbenzene	**35**	**D**	**30**	**D**	**56**	**D**	**52**	**D**	**29**	**D**	**86**	**D**	**21**	**D**	<0.53	U	0.3 - 1.7
1,3-Butadiene	<15	U	<14	U	<15	U	<12	U	<1.4	U	**84**	**D**	**18**	**D**	<0.72	U	NS
1,3-Dichlorobenzene	<13	U	<13	U	<13	U	<11	U	<1.3	U	<13	U	<1.4	U	<0.65	U	<0.25
1,3-Dichloropropane	<10	U	<9.8	U	<10	U	<8.5	U	<0.97	U	<10	U	<1.1	U	<0.5	U	<0.25
1,4-Dichlorobenzene	<13	U	<13	U	<13	U	<11	U	<1.3	U	<13	U	<1.4	U	<0.65	U	<0.25 - 0.5
1,4-Dioxane	<16	U	<15	U	<16	U	<13	U	<1.5	U	<16	U	<1.7	U	<0.78	U	NS
2-Butanone	**7.20**	**D**	**13**	**D**	**26**	**D**	**12**	**D**	**4.10**	**D**	**850**	**D**	**42**	**D**	**1.70**	**D**	NS
2-Hexanone	<18	U	<17	U	<18	U	<15	U	<1.7	U	**31**	**D**	**6.60**	**D**	<0.89	U	NS
3-Chloropropene	<35	U	<33	U	<34	U	<29	U	<3.3	U	<35	U	<3.7	U	<1.7	U	NS
4-Methyl-2-pentanone	<9.1	U	<8.7	U	<9	U	<7.5	U	<0.86	U	**140**	**D**	**63**	**D**	<0.44	U	NS
Acetone	**160**	**D**	**150**	**D**	**290**	**D**	**310**	**D**	**60**	**D**	**900**	**D**	**100**	**D**	**9.90**	**D**	10 - 52
Acrylonitrile	<4.8	U	<4.6	U	<4.8	U	<4	U	<0.46	U	4.80	U	<0.51	U	<0.24	U	NS
Benzene	**65**	**D**	**52**	**D**	**47**	**D**	**10**	**D**	**5.10**	**D**	**46**	**D**	**28**	**D**	**1.60**	**D**	1.1 - 5.9
Benzyl chloride	<11	U	<11	U	<11	U	<9.5	U	<1.1	U	<12	U	<1.2	U	<0.56	U	NS
Bromodichloromethane	<15	U	<14	U	<15	U	<12	U	<1.4	U	<15	U	<1.6	U	<0.73	U	NS
Bromoform	<23	U	<22	U	<23	U	<19	U	<2.2	U	<23	U	<2.4	U	<1.1	U	NS
Bromomethane	<8.6	U	<8.3	U	<8.5	U	<7.1	U	<0.82	U	<8.7	U	<0.92	U	<0.42	U	<0.25
Carbon disulfide	<6.9	U	<6.6	U	<6.8	U	<5.7	U	<0.65	U	**42**	**D**	**15**	**D**	<0.34	U	NS
Carbon tetrachloride	<3.5	U	<3.3	U	<3.4	U	<2.9	U	<0.33	U	<3.5	U	<0.37	U	<0.17	U	<0.25 - 0.59
Chlorobenzene	<10	U	<9.8	U	<10	U	<8.5	U	<0.97	U	<10	U	<1.1	U	<0.5	U	<0.25
Chloroethane	<5.8	U	<5.6	U	<5.8	U	<4.9	U	<0.55	U	<5.9	U	<0.62	U	<0.29	U	<0.25
Chloroform	<11	U	<10	U	<11	U	**9**	**D**	<1	U	**21**	**D**	**9.40**	**D**	<0.53	U	<0.25 - 0.54
Chloromethane	<4.6	U	<4.4	U	<4.5	U	<3.8	U	<0.43	U	<4.6	U	<0.49	U	**1.60**	**D**	<0.25 - 1.8
cis-1,2-Dichloroethylene	<8.8	U	<8.4	U	<8.7	U	<7.3	U	<0.83	U	<8.8	U	<0.94	U	<0.43	U	NS
cis-1,3-Dichloropropylene	<10	U	<9.7	U	<9.9	U	<8.4	U	<0.95	U	<10	U	<1.1	U	<0.49	U	<0.25
Cyclohexane	**11**	**D**	<7.3	U	<7.5	U	<6.3	U	**1.80**	**D**	<7.7	U	**4.10**	**D**	<0.37	U	<0.25 - 2.6
Dibromochloromethane	<19	U	<18	U	<19	U	<16	U	<1.8	U	<19	U	<2	U	<0.92	U	NS
Dichlorodifluoromethane	<11	U	<11	U	<11	U	<9.1	U	**3.50**	**D**	<11	U	**2.10**	**D**	**2.30**	**D**	<0.25 - 4.1
Ethyl acetate	<16	U	<15	U	<16	U	<13	U	<1.5	U	<16	U	<1.7	U	**1.10**	**D**	NS
Ethyl Benzene	**130**	**D**	**110**	**D**	**140**	**D**	**57**	**D**	**40**	**D**	**700**	**D**	**21**	**D**	**0.61**	**D**	0.4 - 2.8
Hexachlorobutadiene	<24	U	<23	U	<23	U	<20	U	<2.2	U	<24	U	<2.5	U	<1.2	U	<0.25
Isopropanol	<11	U	<10	U	<11	U	<9	U	<1	U	<11	U	<1.2	U	<0.53	U	NS
Methyl Methacrylate	<9.1	U	<8.7	U	<9	U	<7.5	U	<0.86	U	<9.1	U	<0.97	U	<0.44	U	NS
Methyl tert-butyl ether (MTBE)	<8	U	<7.7	U	<7.9	U	<6.6	U	<0.76	U	<8	U	<0.85	U	<0.39	U	<0.25 - 5.6
Methylene chloride	<15	U	**16**	**D**	<15	U	<13	U	**3.10**	**D**	**29**	**D**	**3.70**	**D**	**1.20**	**D**	60(1)
n-Heptane	**110**	**D**	**79**	**D**	**53**	**D**	**22**	**D**	**14**	**D**	**30**	**D**	**12**	**D**	**0.76**	**D**	1 - 7.6
n-Hexane	**100**	**D**	**81**	**D**	**39**	**D**	**14**	**D**	**8.80**	**D**	**46**	**D**	**15**	**D**	**0.99**	**D**	0.63 - 6
o-Xylene	**170**	**D**	**140**	**D**	**220**	**D**	**130**	**D**	**80**	**D**	**970**	**D**	**45**	**D**	**0.71**	**D**	0.39 - 3.1
p- & m- Xylenes	**550**	**D**	**460**	**D**	**720**	**D**	**320**	**D**	**210**	**D**	**2,900**	**D**	**90**	**D**	**2.10**	**D**	0.5 - 4.6
p-Ethyltoluene	**160**	**D**	**140**	**D**	**270**	**D**	**190**	**D**	**120**	**D**	**230**	**D**	**76**	**D**	<0.53	U	NS
Propylene	**21**	**D**	**17**	**D**	<3.8	U	<3.2	U	**2.30**	**D**	**460**	**D**	**150**	**DE**	**1.80**	**D**	NS
Styrene	<9.4	U	<9.1	U	<9.3	U	<7.8	U	<0.89	U	<9.5	U	<1	U	<0.46	U	<0.25 - 0.6
Tetrachloroethylene	3.70	U	**23**	**D**	**19**	**D**	**180**	**D**	**43**	**D**	**39**	**D**	**34**	**D**	**1.30**	**D**	30(2)
Tetrahydrofuran	<13	U	<13	U	<13	U	<11	U	<1.2	U	<13	U	<1.4	U	<0.64	U	<0.25 - 0.3
Toluene	**610**	**D**	**500**	**D**	**440**	**D**	**120**	**D**	**85**	**D**	**66**	**D**	**25**	**D**	**4.70**	**D**	3.5 - 24.8
trans-1,2-Dichloroethylene	<8.8	U	<8.4	U	<8.7	U	<7.3	U	<0.83	U	<8.8	U	<0.94	U	<0.43	U	NS
trans-1,3-Dichloropropylene	<10	U	<9.7	U	<9.9	U	<8.4	U	<0.95	U	<10	U	<1.1	U	<0.49	U	<0.25
Trichloroethylene	<3	U	<2.9	U	<2.9	U	**36**	**D**	**4.60**	**D**	<3	U	**2.70**	**D**	<0.15	U	5(1)
Trichlorofluoromethane (Freon 11)	<12	U	<12	U	<12	U	<10	U	**2.90**	**D**	<13	U	**2.70**	**D**	**1.40**	**D**	1.1 - 5.4
Vinyl acetate	<7.8	U	<7.5	U	<7.7	U	<6.5	U	<0.74	U	<7.9	U	<0.83	U	<0.38	U	NS
Vinyl bromide	<9.7	U	<9.3	U	<9.6	U	<8	U	<0.92	U	<9.8	U	<1	U	<0.47	U	NS
Vinyl Chloride	<5.7	U	<5.4	U	<5.6	U	<4.7	U	<0.54	U	<5.7	U	<0.6	U	<0.28	U	<0.25

NOTES:
Any Significant Concentrations are Highlighted

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
U=analyte not detected at or above the level indicated
NS=this indicates that no regulatory limit has been established for this analyte
(1) Indoor Air guidelines provided in Appendix H of the NYSDOH Soil Vapor Insturion Guidance - October 2006
(2) Air guidelines provided in PERC in Indoor and Outdoor Air Fact Sheet issued by NYSDOH, September 2013
= Significant Concentration Detected

Appendix 14

RIR Addendum Soil Lab Report

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: AJ Infante

Report Date: 05/26/2016
Client Project ID: 160133
York Project (SDG) No.: 16E0899

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

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

Report Date: 05/26/2016
Client Project ID: 160133
York Project (SDG) No.: 16E0899

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: AJ Infante

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 May 20, 2016 and listed below. The project was identified as your project: **160133**.

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
16E0899-01	SP-11 (0-2')	Soil	05/19/2016	05/20/2016
16E0899-02	SP-11 (12-14')	Soil	05/19/2016	05/20/2016
16E0899-03	SP-12 (0-2')	Soil	05/19/2016	05/20/2016
16E0899-04	SP-12 (12-14')	Soil	05/19/2016	05/20/2016

General Notes for York Project (SDG) No.: 16E0899

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:** 05/26/2016

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SP-11 (0-2')** **York Sample ID:** **16E0899-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:30 am	05/20/2016

Volatile Organics, 8260 List

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	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	100	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS

Sample Information

Client Sample ID: **SP-11 (0-2')** **York Sample ID:** **16E0899-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:30 am	05/20/2016

Volatile Organics, 8260 List

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
78-93-3	2-Butanone	ND		ug/kg dry	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
67-64-1	Acetone	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS

Sample Information

Client Sample ID: **SP-11 (0-2')** **York Sample ID:** **16E0899-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:30 am	05/20/2016

Volatile Organics, 8260 List

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
75-09-2	**Methylene chloride**	**11**	CCV-E	ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.5	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/24/2016 08:33	05/24/2016 17:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/24/2016 08:33	05/24/2016 17:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:20	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.6	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:20	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*76-130*

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **SP-11 (0-2')** **York Sample ID:** **16E0899-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:30 am	05/20/2016

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	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	95.8	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	95.8	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.8	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.8	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR

Sample Information

Client Sample ID: **SP-11 (0-2')** **York Sample ID:** **16E0899-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:30 am	05/20/2016

Semi-Volatiles, 8270 Target List

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
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.8	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.8	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
83-32-9	Acenaphthene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
62-53-3	Aniline	ND		ug/kg dry	192	384	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
120-12-7	Anthracene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
205-99-2	**Benzo(b)fluoranthene**	**53.6**	J	ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**218**	CCV-E	ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
218-01-9	Chrysene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR

Sample Information

Client Sample ID: **SP-11 (0-2')** **York Sample ID:** **16E0899-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:30 am	05/20/2016

Semi-Volatiles, 8270 Target List

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
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
206-44-0	**Fluoranthene**	**86.5**	J	ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
86-73-7	Fluorene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
78-59-1	Isophorone	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
91-20-3	Naphthalene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
85-01-8	Phenanthrene	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
108-95-2	Phenol	ND		ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
129-00-0	**Pyrene**	**77.3**	J	ug/kg dry	48.0	95.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR
110-86-1	Pyridine	ND		ug/kg dry	192	384	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:15	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*53.3 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*61.5 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*39.6 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.2 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*62.8 %*	*19-110*

Sample Information

Client Sample ID: **SP-11 (0-2')** **York Sample ID:** **16E0899-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:30 am	05/20/2016

Semi-Volatiles, 8270 Target List

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*	*34.6 %*			*24-116*						

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**	**15.8**		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
72-55-9	**4,4'-DDE**	**66.2**		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
50-29-3	**4,4'-DDT**	**83.5**		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
5103-71-9	**alpha-Chlordane**	**27.2**		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/23/2016 07:20	05/24/2016 17:34	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
57-74-9	**Chlordane, total**	**390**		ug/kg dry	75.8	75.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
72-20-8	Endrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
5566-34-7	**gamma-Chlordane**	**25.3**		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/23/2016 07:20	05/24/2016 17:34	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC

Sample Information

Client Sample ID: **SP-11 (0-2')** **York Sample ID:** **16E0899-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:30 am	05/20/2016

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
1024-57-3	**Heptachlor epoxide**	**3.95**		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.48	9.48	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	95.9	95.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:34	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*92.1 %*	*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	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:17	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:17	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:17	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:17	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:17	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:17	AMC
11096-82-5	**Aroclor 1260**	**0.0340**		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:17	AMC
1336-36-3	*** Total PCBs**	**0.0365**		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications:	05/23/2016 07:20	05/24/2016 14:17	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*63.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.0 %*	*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**	**7250**		mg/kg dry	5.74	5.74	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-36-0	Antimony	ND		mg/kg dry	0.574	0.574	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV

Sample Information

Client Sample ID: **SP-11 (0-2')** **York Sample ID:** **16E0899-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:30 am	05/20/2016

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**	**4.39**		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-39-3	**Barium**	**91.8**		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-41-7	**Beryllium**	**0.184**		mg/kg dry	0.115	0.115	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.345	0.345	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-70-2	**Calcium**	**17400**		mg/kg dry	0.574	5.74	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-47-3	**Chromium**	**15.6**		mg/kg dry	0.574	0.574	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-48-4	**Cobalt**	**6.69**		mg/kg dry	0.574	0.574	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-50-8	**Copper**	**25.3**		mg/kg dry	0.574	0.574	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7439-89-6	**Iron**	**17000**		mg/kg dry	2.30	2.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7439-92-1	**Lead**	**93.3**		mg/kg dry	0.345	0.345	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7439-95-4	**Magnesium**	**2430**		mg/kg dry	5.74	5.74	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7439-96-5	**Manganese**	**360**		mg/kg dry	0.574	0.574	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-02-0	**Nickel**	**13.2**		mg/kg dry	0.574	0.574	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-09-7	**Potassium**	**838**		mg/kg dry	5.74	5.74	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7782-49-2	**Selenium**	**1.99**		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-22-4	Silver	ND		mg/kg dry	0.574	0.574	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-23-5	**Sodium**	**187**		mg/kg dry	11.5	11.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-62-2	**Vanadium**	**25.5**		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV
7440-66-6	**Zinc**	**93.8**		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:17	KV

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **SP-11 (0-2')** **York Sample ID:** **16E0899-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:30 am	05/20/2016

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**	**0.422**		mg/kg dry	0.0345	0.0345	1	EPA 7473	05/23/2016 06:32	05/23/2016 10:34	KV
								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**	**87.1**		%	0.100	0.100	1	SM 2540G	05/25/2016 10:50	05/25/2016 17:05	LAB
								Certifications: CTDOH			

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.402	0.574	1	EPA 7196A	05/23/2016 07:50	05/23/2016 14:33	LAB
								Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**13.6**		mg/kg	0.250	0.500	1	Calculation	05/25/2016 08:16	05/25/2016 14:19	SC
								Certifications:			

Sample Information

Client Sample ID: **SP-11 (12-14')** **York Sample ID:** **16E0899-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:45 am	05/20/2016

Volatile Organics, 8260 List

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	05/24/2016 08:33	05/24/2016 17:51	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/24/2016 08:33	05/24/2016 17:51	SS
								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	05/24/2016 08:33	05/24/2016 17:51	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SP-11 (12-14')

York Sample ID: 16E0899-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:45 am	05/20/2016

Volatile Organics, 8260 List

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	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	52	100	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.6	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
67-64-1	Acetone	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS

Sample Information

Client Sample ID: **SP-11 (12-14')** **York Sample ID:** **16E0899-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:45 am	05/20/2016

Volatile Organics, 8260 List

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
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
75-09-2	**Methylene chloride**	**13**	CCV-E	ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.6	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS

Sample Information

Client Sample ID: **SP-11 (12-14')** **York Sample ID:** **16E0899-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:45 am	05/20/2016

Volatile Organics, 8260 List

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
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/24/2016 08:33	05/24/2016 17:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/24/2016 08:33	05/24/2016 17:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 17:51	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.8	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 17:51	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.2 %*	*76-130*

Semi-Volatiles, 8270 Target List

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	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR

Sample Information

Client Sample ID: SP-11 (12-14')

York Sample ID: 16E0899-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:45 am	05/20/2016

Semi-Volatiles, 8270 Target List

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
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	91.9	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	91.9	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	91.9	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	91.9	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	91.9	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	91.9	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR

Sample Information

Client Sample ID: **SP-11 (12-14')** **York Sample ID:** **16E0899-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:45 am	05/20/2016

Semi-Volatiles, 8270 Target List

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	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
62-53-3	Aniline	ND		ug/kg dry	184	368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
120-12-7	Anthracene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**207**	CCV-E	ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
218-01-9	Chrysene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
206-44-0	Fluoranthene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
86-73-7	Fluorene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR

Sample Information

Client Sample ID: **SP-11 (12-14')** **York Sample ID:** **16E0899-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:45 am	05/20/2016

Semi-Volatiles, 8270 Target List

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
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
78-59-1	Isophorone	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
91-20-3	Naphthalene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
85-01-8	Phenanthrene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
108-95-2	Phenol	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
129-00-0	Pyrene	ND		ug/kg dry	46.1	91.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR
110-86-1	Pyridine	ND		ug/kg dry	184	368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/25/2016 18:46	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*49.1 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*56.6 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*38.4 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.1 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*60.8 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*35.7 %*	*24-116*

Pesticides, 8081 target list

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

Sample Information

Client Sample ID: **SP-11 (12-14')** **York Sample ID:** **16E0899-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:45 am	05/20/2016

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	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
50-29-3	**4,4'-DDT**	**2.01**		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/23/2016 07:20	05/24/2016 17:49	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	72.8	72.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
72-20-8	Endrin	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/23/2016 07:20	05/24/2016 17:49	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.82	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.09	9.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	92.0	92.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 17:49	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*68.6 %*	*30-140*

Sample Information

Client Sample ID: **SP-11 (12-14')** **York Sample ID:** **16E0899-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:45 am	05/20/2016

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
2051-24-3	*Surrogate: Decachlorobiphenyl*	*95.8 %*			*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	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:47	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:47	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:47	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:47	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:47	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:47	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 14:47	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications:	05/23/2016 07:20	05/24/2016 14:47	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*76.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*81.5 %*	*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**	**6040**		mg/kg dry	5.51	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:33	KV
7440-36-0	Antimony	ND		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:33	KV
7440-38-2	Arsenic	ND		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:33	KV
7440-39-3	**Barium**	**27.1**		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:33	KV
7440-41-7	**Beryllium**	**0.301**		mg/kg dry	0.110	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:33	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.331	0.331	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:33	KV
7440-70-2	**Calcium**	**978**		mg/kg dry	0.551	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:33	KV

Sample Information

Client Sample ID: **SP-11 (12-14')** **York Sample ID:** **16E0899-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:45 am	05/20/2016

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
7440-47-3	**Chromium**	**13.4**		mg/kg dry	0.551	0.551	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**7.55**		mg/kg dry	0.551	0.551	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**16.7**		mg/kg dry	0.551	0.551	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**39800**		mg/kg dry	220	220	100	EPA 6010C	05/23/2016 10:00	05/25/2016 07:21	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**21.6**		mg/kg dry	0.331	0.331	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**1750**		mg/kg dry	5.51	5.51	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**416**		mg/kg dry	0.551	0.551	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**16.1**		mg/kg dry	0.551	0.551	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**586**		mg/kg dry	5.51	5.51	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	**Selenium**	**4.87**		mg/kg dry	1.10	1.10	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.551	0.551	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**107**		mg/kg dry	11.0	11.0	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**29.0**		mg/kg dry	1.10	1.10	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**36.5**		mg/kg dry	1.10	1.10	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:33	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

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	0.0331	0.0331	1	EPA 7473	05/23/2016 06:32	05/23/2016 10:42	KV
								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

Sample Information

Client Sample ID: **SP-11 (12-14')** **York Sample ID:** **16E0899-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 10:45 am	05/20/2016

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**	**90.7**		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	05/25/2016 10:50	05/25/2016 17:05	LAB

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.386	0.551	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/23/2016 07:50	05/23/2016 14:33	LAB

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**12.2**		mg/kg	0.250	0.500	1	Calculation Certifications:	05/25/2016 08:16	05/25/2016 14:19	SC

Sample Information

Client Sample ID: **SP-12 (0-2')** **York Sample ID:** **16E0899-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:30 pm	05/20/2016

Volatile Organics, 8260 List

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	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS

Sample Information

Client Sample ID: **SP-12 (0-2')** **York Sample ID:** **16E0899-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:30 pm	05/20/2016

Volatile Organics, 8260 List

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
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
67-64-1	Acetone	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS

Sample Information

Client Sample ID: **SP-12 (0-2')** **York Sample ID:** **16E0899-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:30 pm	05/20/2016

Volatile Organics, 8260 List

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
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
75-09-2	**Methylene chloride**	**14**	CCV-E	ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/24/2016 08:33	05/24/2016 18:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/24/2016 08:33	05/24/2016 18:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS

Sample Information

Client Sample ID: **SP-12 (0-2')** **York Sample ID:** **16E0899-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:30 pm	05/20/2016

Volatile Organics, 8260 List

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
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:21	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:21	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.3 %*	*76-130*

Semi-Volatiles, 8270 Target List

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	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR

Sample Information

Client Sample ID: **SP-12 (0-2')** **York Sample ID:** **16E0899-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:30 pm	05/20/2016

Semi-Volatiles, 8270 Target List

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	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	93.5	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	93.5	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.5	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.5	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.5	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.5	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
83-32-9	**Acenaphthene**	**111**		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
208-96-8	**Acenaphthylene**	**96.4**		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR

Sample Information

Client Sample ID: **SP-12 (0-2')** **York Sample ID:** **16E0899-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:30 pm	05/20/2016

Semi-Volatiles, 8270 Target List

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	187	374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
120-12-7	**Anthracene**	**319**		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
56-55-3	**Benzo(a)anthracene**	**551**		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
50-32-8	**Benzo(a)pyrene**	**487**		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
205-99-2	**Benzo(b)fluoranthene**	**669**		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
191-24-2	**Benzo(g,h,i)perylene**	**310**	IS-06	ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
207-08-9	**Benzo(k)fluoranthene**	**354**		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**271**	CCV-E	ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
218-01-9	**Chrysene**	**1310**		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
53-70-3	**Dibenzo(a,h)anthracene**	**59.0**	J, IS-06	ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
206-44-0	**Fluoranthene**	**1960**		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
86-73-7	**Fluorene**	**178**	CCV-E	ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR

Sample Information

Client Sample ID: **SP-12 (0-2')** **York Sample ID:** **16E0899-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:30 pm	05/20/2016

Semi-Volatiles, 8270 Target List

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
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**289**	IS-06	ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
78-59-1	Isophorone	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
91-20-3	Naphthalene	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
85-01-8	**Phenanthrene**	**1510**		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
108-95-2	Phenol	ND		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
129-00-0	**Pyrene**	**1870**		ug/kg dry	46.9	93.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR
110-86-1	Pyridine	ND		ug/kg dry	187	374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:01	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*61.3 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*72.1 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*47.5 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*48.8 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*71.2 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*34.0 %*	*24-116*

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**	**15.7**		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC

Sample Information

Client Sample ID: **SP-12 (0-2')** **York Sample ID:** **16E0899-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:30 pm	05/20/2016

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
72-55-9	**4,4'-DDE**	**32.5**		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
50-29-3	**4,4'-DDT**	**37.1**		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
5103-71-9	**alpha-Chlordane**	**10.8**		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/23/2016 07:20	05/24/2016 18:04	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
57-74-9	**Chlordane, total**	**357**		ug/kg dry	74.0	74.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
72-20-8	Endrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
5566-34-7	**gamma-Chlordane**	**15.7**		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/23/2016 07:20	05/24/2016 18:04	AMC
76-44-8	**Heptachlor**	**2.19**		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
1024-57-3	**Heptachlor epoxide**	**3.43**		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.25	9.25	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	93.6	93.6	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:04	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*63.7 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*83.1 %*	*30-140*

Sample Information

Client Sample ID: **SP-12 (0-2')** **York Sample ID:** **16E0899-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:30 pm	05/20/2016

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	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:16	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:16	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:16	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:16	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:16	AMC
11097-69-1	**Aroclor 1254**	**0.0601**		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:16	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:16	AMC
1336-36-3	*** Total PCBs**	**0.0601**		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications:	05/23/2016 07:20	05/24/2016 15:16	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*69.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*78.0 %*	*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**	**7180**		mg/kg dry	5.61	5.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:38	KV
7440-36-0	Antimony	ND		mg/kg dry	0.561	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:38	KV
7440-38-2	**Arsenic**	**9.68**		mg/kg dry	1.12	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:38	KV
7440-39-3	**Barium**	**151**		mg/kg dry	1.12	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:38	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.112	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:38	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.336	0.336	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:38	KV
7440-70-2	**Calcium**	**51300**		mg/kg dry	0.561	5.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:38	KV
7440-47-3	**Chromium**	**26.7**		mg/kg dry	0.561	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:38	KV
7440-48-4	**Cobalt**	**5.57**		mg/kg dry	0.561	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:38	KV

Sample Information

Client Sample ID: **SP-12 (0-2')** **York Sample ID:** **16E0899-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:30 pm	05/20/2016

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
7440-50-8	**Copper**	**33.6**		mg/kg dry	0.561	0.561	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**10900**		mg/kg dry	2.24	2.24	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**102**		mg/kg dry	0.336	0.336	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**3290**		mg/kg dry	5.61	5.61	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**231**		mg/kg dry	0.561	0.561	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**16.6**		mg/kg dry	0.561	0.561	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**709**		mg/kg dry	5.61	5.61	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	**Selenium**	**1.24**		mg/kg dry	1.12	1.12	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.561	0.561	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**296**		mg/kg dry	11.2	11.2	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**20.5**		mg/kg dry	1.12	1.12	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**117**		mg/kg dry	1.12	1.12	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:38	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

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**	**0.326**		mg/kg dry	0.0336	0.0336	1	EPA 7473	05/23/2016 06:32	05/23/2016 10:51	KV
								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**	**89.2**		%	0.100	0.100	1	SM 2540G	05/25/2016 10:50	05/25/2016 17:05	LAB
								Certifications: CTDOH			

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **SP-12 (0-2')** **York Sample ID:** **16E0899-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:30 pm	05/20/2016

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**0.897**		mg/kg dry	0.392	0.561	1	EPA 7196A	05/23/2016 07:50	05/23/2016 14:33	LAB
								Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**23.0**		mg/kg	0.250	0.500	1	Calculation	05/25/2016 08:16	05/25/2016 14:19	SC
								Certifications:			

Sample Information

Client Sample ID: **SP-12 (12-14')** **York Sample ID:** **16E0899-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:45 pm	05/20/2016

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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	05/24/2016 08:33	05/24/2016 18:51	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	05/24/2016 08:33	05/24/2016 18:51	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	05/24/2016 08:33	05/24/2016 18:51	SS
								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	5.3	1	EPA 8260C	05/24/2016 08:33	05/24/2016 18:51	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	05/24/2016 08:33	05/24/2016 18:51	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	05/24/2016 08:33	05/24/2016 18:51	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	05/24/2016 08:33	05/24/2016 18:51	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	05/24/2016 08:33	05/24/2016 18:51	SS
								Certifications: NELAC-NY10854,NJDEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	05/24/2016 08:33	05/24/2016 18:51	SS
								Certifications: NELAC-NY10854,NJDEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	05/24/2016 08:33	05/24/2016 18:51	SS
								Certifications: NELAC-NY10854,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	05/24/2016 08:33	05/24/2016 18:51	SS
								Certifications: NELAC-NY10854,NJDEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	05/24/2016 08:33	05/24/2016 18:51	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: **SP-12 (12-14')** **York Sample ID:** **16E0899-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:45 pm	05/20/2016

Volatile Organics, 8260 List

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	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	53	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
67-64-1	**Acetone**	**9.5**	SCAL-E, J	ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
71-43-2	Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS

Sample Information

Client Sample ID: SP-12 (12-14')

York Sample ID: 16E0899-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:45 pm	05/20/2016

Volatile Organics, 8260 List

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	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
75-09-2	**Methylene chloride**	**14**	CCV-E	ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
91-20-3	**Naphthalene**	**3.0**	J	ug/kg dry	2.6	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/24/2016 08:33	05/24/2016 18:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/24/2016 08:33	05/24/2016 18:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
100-42-5	Styrene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS

Sample Information

Client Sample ID: SP-12 (12-14')

York Sample ID: 16E0899-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:45 pm	05/20/2016

Volatile Organics, 8260 List

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
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/24/2016 08:33	05/24/2016 18:51	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2016 08:33	05/24/2016 18:51	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*109 %*	*76-130*

Semi-Volatiles, 8270 Target List

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	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR

Sample Information

Client Sample ID: **SP-12 (12-14')** **York Sample ID:** **16E0899-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:45 pm	05/20/2016

Semi-Volatiles, 8270 Target List

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
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
83-32-9	Acenaphthene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
62-53-3	Aniline	ND		ug/kg dry	189	379	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
120-12-7	**Anthracene**	**104**		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
56-55-3	**Benzo(a)anthracene**	**204**		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
50-32-8	**Benzo(a)pyrene**	**182**		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
205-99-2	**Benzo(b)fluoranthene**	**247**		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR

Sample Information

Client Sample ID: SP-12 (12-14')

York Sample ID: 16E0899-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:45 pm	05/20/2016

Semi-Volatiles, 8270 Target List

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
191-24-2	**Benzo(g,h,i)perylene**	**113**	IS-06	ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
207-08-9	**Benzo(k)fluoranthene**	**144**		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**230**	CCV-E	ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
218-01-9	**Chrysene**	**474**		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
206-44-0	**Fluoranthene**	**750**		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
86-73-7	**Fluorene**	**87.0**	J, CCV-E	ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**107**	IS-06	ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
78-59-1	Isophorone	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR

Sample Information

Client Sample ID: **SP-12 (12-14')** **York Sample ID:** **16E0899-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:45 pm	05/20/2016

Semi-Volatiles, 8270 Target List

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
91-20-3	Naphthalene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
85-01-8	**Phenanthrene**	**450**		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
108-95-2	Phenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
129-00-0	**Pyrene**	**667**		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR
110-86-1	Pyridine	ND		ug/kg dry	189	379	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/25/2016 07:40	05/26/2016 01:32	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*61.4 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*70.9 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*42.8 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*49.0 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*71.1 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*32.6 %*	*24-116*

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**	**6.06**		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
72-55-9	**4,4'-DDE**	**7.50**		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
50-29-3	**4,4'-DDT**	**22.1**		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
5103-71-9	**alpha-Chlordane**	**5.54**		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/23/2016 07:20	05/24/2016 18:19	AMC

Sample Information

Client Sample ID: **SP-12 (12-14')** **York Sample ID:** **16E0899-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:45 pm	05/20/2016

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
319-85-7	beta-BHC	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
57-74-9	**Chlordane, total**	**101**		ug/kg dry	74.9	74.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
72-20-8	Endrin	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
5566-34-7	**gamma-Chlordane**	**6.15**		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/23/2016 07:20	05/24/2016 18:19	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.87	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.36	9.36	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	94.7	94.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 18:19	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.1 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*102 %*	*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	0.0189	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:45	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:45	AMC

Sample Information

Client Sample ID: **SP-12 (12-14')** **York Sample ID:** **16E0899-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:45 pm	05/20/2016

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
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:45	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:45	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:45	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:45	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/23/2016 07:20	05/24/2016 15:45	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications:	05/23/2016 07:20	05/24/2016 15:45	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*79.0 %*	*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**	**5680**		mg/kg dry	5.67	5.67	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:55	KV
7440-36-0	Antimony	ND		mg/kg dry	0.567	0.567	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:55	KV
7440-38-2	**Arsenic**	**2.21**		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:55	KV
7440-39-3	**Barium**	**135**		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:55	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.113	0.113	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:55	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.340	0.340	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:55	KV
7440-70-2	**Calcium**	**8040**		mg/kg dry	0.567	5.67	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:55	KV
7440-47-3	**Chromium**	**12.4**		mg/kg dry	0.567	0.567	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:55	KV
7440-48-4	**Cobalt**	**5.48**		mg/kg dry	0.567	0.567	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:55	KV
7440-50-8	**Copper**	**18.5**		mg/kg dry	0.567	0.567	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:55	KV
7439-89-6	**Iron**	**12100**		mg/kg dry	2.27	2.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:55	KV
7439-92-1	**Lead**	**111**		mg/kg dry	0.340	0.340	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2016 10:00	05/24/2016 01:55	KV

Sample Information

Client Sample ID: **SP-12 (12-14')** **York Sample ID:** **16E0899-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:45 pm	05/20/2016

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
7439-95-4	**Magnesium**	**2880**		mg/kg dry	5.67	5.67	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:55	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**245**		mg/kg dry	0.567	0.567	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:55	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**16.0**		mg/kg dry	0.567	0.567	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:55	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1070**		mg/kg dry	5.67	5.67	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:55	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	**Selenium**	**1.43**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:55	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.567	0.567	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:55	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**174**		mg/kg dry	11.3	11.3	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:55	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:55	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**18.2**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:55	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**110**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/23/2016 10:00	05/24/2016 01:55	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

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**	**0.571**		mg/kg dry	0.0340	0.0340	1	EPA 7473	05/23/2016 06:32	05/23/2016 11:00	KV
								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**	**88.1**		%	0.100	0.100	1	SM 2540G	05/25/2016 10:50	05/25/2016 17:05	LAB
								Certifications: CTDOH			

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.397	0.567	1	EPA 7196A	05/23/2016 07:50	05/23/2016 14:33	LAB
								Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Sample Information

Client Sample ID: **SP-12 (12-14')** **York Sample ID:** **16E0899-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0899	160133	Soil	May 19, 2016 1:45 pm	05/20/2016

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**11.0**		mg/kg	0.250	0.500	1	Calculation	05/25/2016 08:16	05/25/2016 14:19	SC

Certifications:

Analytical Batch Summary

Batch ID: BE61075 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16E0899-01	SP-11 (0-2')	05/23/16
16E0899-02	SP-11 (12-14')	05/23/16
16E0899-03	SP-12 (0-2')	05/23/16
16E0899-04	SP-12 (12-14')	05/23/16
BE61075-BLK1	Blank	05/23/16
BE61075-SRM1	Reference	05/23/16

Batch ID: BE61079 **Preparation Method:** EPA 3550C **Prepared By:** KNN

YORK Sample ID	Client Sample ID	Preparation Date
16E0899-01	SP-11 (0-2')	05/23/16
16E0899-01	SP-11 (0-2')	05/23/16
16E0899-02	SP-11 (12-14')	05/23/16
16E0899-02	SP-11 (12-14')	05/23/16
16E0899-03	SP-12 (0-2')	05/23/16
16E0899-03	SP-12 (0-2')	05/23/16
16E0899-04	SP-12 (12-14')	05/23/16
16E0899-04	SP-12 (12-14')	05/23/16
BE61079-BLK1	Blank	05/23/16
BE61079-BLK2	Blank	05/23/16
BE61079-BS1	LCS	05/23/16
BE61079-BS2	LCS	05/23/16
BE61079-BSD1	LCS Dup	05/23/16
BE61079-BSD2	LCS Dup	05/23/16

Batch ID: BE61083 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
16E0899-01	SP-11 (0-2')	05/23/16
16E0899-02	SP-11 (12-14')	05/23/16
16E0899-03	SP-12 (0-2')	05/23/16
16E0899-04	SP-12 (12-14')	05/23/16
BE61083-BLK1	Blank	05/23/16
BE61083-SRM1	Reference	05/23/16

Batch ID: BE61107 **Preparation Method:** EPA 3050B **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16E0899-01	SP-11 (0-2')	05/23/16
16E0899-02	SP-11 (12-14')	05/23/16
16E0899-03	SP-12 (0-2')	05/23/16
16E0899-04	SP-12 (12-14')	05/23/16
BE61107-BLK1	Blank	05/23/16
BE61107-DUP1	Duplicate	05/23/16

BE61107-MS1	Matrix Spike	05/23/16
BE61107-SRM1	Reference	05/23/16

Batch ID: BE61163 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16E0899-01	SP-11 (0-2')	05/24/16
16E0899-02	SP-11 (12-14')	05/24/16
16E0899-03	SP-12 (0-2')	05/24/16
16E0899-04	SP-12 (12-14')	05/24/16
BE61163-BLK1	Blank	05/24/16
BE61163-BS1	LCS	05/24/16
BE61163-BSD1	LCS Dup	05/24/16

Batch ID: BE61231 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
16E0899-01	SP-11 (0-2')	05/25/16
16E0899-02	SP-11 (12-14')	05/25/16
16E0899-03	SP-12 (0-2')	05/25/16
16E0899-04	SP-12 (12-14')	05/25/16
BE61231-BLK1	Blank	05/25/16
BE61231-BS1	LCS	05/25/16
BE61231-BSD1	LCS Dup	05/25/16

Batch ID: BE61252 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
16E0899-01	SP-11 (0-2')	05/25/16
16E0899-02	SP-11 (12-14')	05/25/16
16E0899-03	SP-12 (0-2')	05/25/16
16E0899-04	SP-12 (12-14')	05/25/16

Batch ID: BE61260 **Preparation Method:** % Solids Prep **Prepared By:** LAB

YORK Sample ID	Client Sample ID	Preparation Date
16E0899-01	SP-11 (0-2')	05/25/16
16E0899-02	SP-11 (12-14')	05/25/16
16E0899-03	SP-12 (0-2')	05/25/16
16E0899-04	SP-12 (12-14')	05/25/16

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 BE61163 - EPA 5035A											
Blank (BE61163-BLK1)								Prepared & Analyzed: 05/24/2016			
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	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	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	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	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	"								
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 tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								

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 BE61163 - EPA 5035A											
Blank (BE61163-BLK1)							Prepared & Analyzed: 05/24/2016				
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	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 acetate	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*49.0*		*ug/L*	*50.0*		*98.0*	*77-125*				
Surrogate: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*85-120*				
Surrogate: p-Bromofluorobenzene	*46.0*		*"*	*50.0*		*91.9*	*76-130*				
LCS (BE61163-BS1)							Prepared & Analyzed: 05/24/2016				
1,1,1,2-Tetrachloroethane	57.0		ug/L	50.0		114	75-129				
1,1,1-Trichloroethane	56.7		"	50.0		113	71-137				
1,1,2,2-Tetrachloroethane	49.0		"	50.0		98.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.7		"	50.0		105	58-146				
1,1,2-Trichloroethane	53.0		"	50.0		106	83-123				
1,1-Dichloroethane	50.0		"	50.0		100	75-130				
1,1-Dichloroethylene	54.4		"	50.0		109	64-137				
1,1-Dichloropropylene	53.3		"	50.0		107	77-127				
1,2,3-Trichlorobenzene	54.3		"	50.0		109	81-140				
1,2,3-Trichloropropane	52.5		"	50.0		105	81-126				
1,2,4-Trichlorobenzene	55.3		"	50.0		111	80-141				
1,2,4-Trimethylbenzene	50.1		"	50.0		100	84-125				
1,2-Dibromo-3-chloropropane	55.5		"	50.0		111	74-142				
1,2-Dibromoethane	52.3		"	50.0		105	86-123				
1,2-Dichlorobenzene	52.2		"	50.0		104	85-122				
1,2-Dichloroethane	52.3		"	50.0		105	71-133				
1,2-Dichloropropane	48.3		"	50.0		96.6	81-122				
1,3,5-Trimethylbenzene	48.1		"	50.0		96.2	82-126				
1,3-Dichlorobenzene	52.6		"	50.0		105	84-124				
1,3-Dichloropropane	50.7		"	50.0		101	83-123				
1,4-Dichlorobenzene	53.5		"	50.0		107	84-124				
1,4-Dioxane	1240		"	1000		124	10-228				
2,2-Dichloropropane	56.4		"	50.0		113	67-136				
2-Butanone	50.0		"	50.0		99.9	58-147				
2-Chlorotoluene	50.0		"	50.0		99.9	78-127				
4-Chlorotoluene	49.9		"	50.0		99.7	79-125				
Acetone	43.1		"	50.0		86.3	36-155				
Benzene	50.6		"	50.0		101	77-127				
Bromobenzene	48.2		"	50.0		96.3	77-129				
Bromochloromethane	46.3		"	50.0		92.6	74-129				
Bromodichloromethane	53.9		"	50.0		108	81-124				
Bromoform	54.2		"	50.0		108	80-136				

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 BE61163 - EPA 5035A											
LCS (BE61163-BS1)							Prepared & Analyzed: 05/24/2016				
Bromomethane	66.2		ug/L	50.0		132	32-177				
Carbon tetrachloride	52.6		"	50.0		105	66-143				
Chlorobenzene	51.8		"	50.0		104	86-120				
Chloroethane	61.3		"	50.0		123	51-142				
Chloroform	51.6		"	50.0		103	76-131				
Chloromethane	60.6		"	50.0		121	49-132				
cis-1,2-Dichloroethylene	56.1		"	50.0		112	74-132				
cis-1,3-Dichloropropylene	52.0		"	50.0		104	81-129				
Dibromochloromethane	56.8		"	50.0		114	10-200				
Dibromomethane	54.2		"	50.0		108	83-124				
Dichlorodifluoromethane	50.0		"	50.0		100	28-158				
Ethyl Benzene	52.2		"	50.0		104	84-125				
Hexachlorobutadiene	54.4		"	50.0		109	83-133				
Isopropylbenzene	49.9		"	50.0		99.8	81-127				
Methyl tert-butyl ether (MTBE)	53.9		"	50.0		108	74-131				
Methylene chloride	45.7		"	50.0		91.3	57-141				
Naphthalene	54.7		"	50.0		109	86-141				
n-Butylbenzene	49.7		"	50.0		99.3	80-130				
n-Propylbenzene	49.8		"	50.0		99.5	74-136				
o-Xylene	53.3		"	50.0		107	83-123				
p- & m- Xylenes	107		"	100		107	82-128				
p-Isopropyltoluene	51.1		"	50.0		102	85-125				
sec-Butylbenzene	49.2		"	50.0		98.4	83-125				
Styrene	53.0		"	50.0		106	86-126				
tert-Butylbenzene	51.6		"	50.0		103	80-127				
Tetrachloroethylene	55.8		"	50.0		112	80-129				
Toluene	51.6		"	50.0		103	85-121				
trans-1,2-Dichloroethylene	51.0		"	50.0		102	72-132				
trans-1,3-Dichloropropylene	53.9		"	50.0		108	78-132				
Trichloroethylene	55.8		"	50.0		112	84-123				
Trichlorofluoromethane	58.7		"	50.0		117	62-140				
Vinyl acetate	45.6		"	50.0		91.2	67-136				
Vinyl Chloride	58.8		"	50.0		118	52-130				
Surrogate: 1,2-Dichloroethane-d4	*50.9*		*"*	*50.0*		*102*	*77-125*				
Surrogate: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*85-120*				
Surrogate: p-Bromofluorobenzene	*48.5*		*"*	*50.0*		*97.0*	*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 BE61163 - EPA 5035A											
LCS Dup (BE61163-BSD1)								Prepared & Analyzed: 05/24/2016			
1,1,1,2-Tetrachloroethane	57.0		ug/L	50.0		114	75-129		0.0526	30	
1,1,1-Trichloroethane	57.4		"	50.0		115	71-137		1.10	30	
1,1,2,2-Tetrachloroethane	48.6		"	50.0		97.3	79-129		0.697	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55.0		"	50.0		110	58-146		4.21	30	
1,1,2-Trichloroethane	50.8		"	50.0		102	83-123		4.20	30	
1,1-Dichloroethane	51.1		"	50.0		102	75-130		2.23	30	
1,1-Dichloroethylene	55.2		"	50.0		110	64-137		1.46	30	
1,1-Dichloropropylene	52.3		"	50.0		105	77-127		1.90	30	
1,2,3-Trichlorobenzene	57.3		"	50.0		115	81-140		5.38	30	
1,2,3-Trichloropropane	51.2		"	50.0		102	81-126		2.55	30	
1,2,4-Trichlorobenzene	56.5		"	50.0		113	80-141		2.22	30	
1,2,4-Trimethylbenzene	52.3		"	50.0		105	84-125		4.36	30	
1,2-Dibromo-3-chloropropane	56.5		"	50.0		113	74-142		1.70	30	
1,2-Dibromoethane	51.3		"	50.0		103	86-123		1.89	30	
1,2-Dichlorobenzene	55.4		"	50.0		111	85-122		5.89	30	
1,2-Dichloroethane	52.2		"	50.0		104	71-133		0.0574	30	
1,2-Dichloropropane	48.9		"	50.0		97.9	81-122		1.30	30	
1,3,5-Trimethylbenzene	51.6		"	50.0		103	82-126		6.90	30	
1,3-Dichlorobenzene	56.3		"	50.0		113	84-124		6.85	30	
1,3-Dichloropropane	51.8		"	50.0		104	83-123		2.07	30	
1,4-Dichlorobenzene	56.5		"	50.0		113	84-124		5.36	30	
1,4-Dioxane	1100		"	1000		110	10-228		11.9	30	
2,2-Dichloropropane	58.2		"	50.0		116	67-136		3.26	30	
2-Butanone	51.6		"	50.0		103	58-147		3.17	30	
2-Chlorotoluene	52.7		"	50.0		105	78-127		5.28	30	
4-Chlorotoluene	52.5		"	50.0		105	79-125		5.08	30	
Acetone	42.6		"	50.0		85.3	36-155		1.17	30	
Benzene	52.3		"	50.0		105	77-127		3.31	30	
Bromobenzene	49.4		"	50.0		98.7	77-129		2.48	30	
Bromochloromethane	48.7		"	50.0		97.4	74-129		5.12	30	
Bromodichloromethane	52.8		"	50.0		106	81-124		1.97	30	
Bromoform	52.2		"	50.0		104	80-136		3.74	30	
Bromomethane	68.3		"	50.0		137	32-177		3.12	30	
Carbon tetrachloride	54.8		"	50.0		110	66-143		4.21	30	
Chlorobenzene	53.0		"	50.0		106	86-120		2.44	30	
Chloroethane	60.0		"	50.0		120	51-142		2.13	30	
Chloroform	56.0		"	50.0		112	76-131		8.21	30	
Chloromethane	62.1		"	50.0		124	49-132		2.41	30	
cis-1,2-Dichloroethylene	55.5		"	50.0		111	74-132		0.932	30	
cis-1,3-Dichloropropylene	52.5		"	50.0		105	81-129		1.01	30	
Dibromochloromethane	56.5		"	50.0		113	10-200		0.424	30	
Dibromomethane	53.4		"	50.0		107	83-124		1.36	30	
Dichlorodifluoromethane	50.6		"	50.0		101	28-158		1.23	30	
Ethyl Benzene	55.1		"	50.0		110	84-125		5.37	30	
Hexachlorobutadiene	59.8		"	50.0		120	83-133		9.44	30	
Isopropylbenzene	51.6		"	50.0		103	81-127		3.41	30	
Methyl tert-butyl ether (MTBE)	53.7		"	50.0		107	74-131		0.279	30	
Methylene chloride	44.4		"	50.0		88.7	57-141		2.91	30	
Naphthalene	56.5		"	50.0		113	86-141		3.35	30	
n-Butylbenzene	53.3		"	50.0		107	80-130		7.07	30	
n-Propylbenzene	52.6		"	50.0		105	74-136		5.55	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 BE61163 - EPA 5035A											
LCS Dup (BE61163-BSD1)							Prepared & Analyzed: 05/24/2016				
o-Xylene	54.1		ug/L	50.0		108	83-123		1.47	30	
p- & m- Xylenes	109		"	100		109	82-128		2.46	30	
p-Isopropyltoluene	54.5		"	50.0		109	85-125		6.49	30	
sec-Butylbenzene	52.5		"	50.0		105	83-125		6.47	30	
Styrene	54.7		"	50.0		109	86-126		3.10	30	
tert-Butylbenzene	54.6		"	50.0		109	80-127		5.54	30	
Tetrachloroethylene	56.1		"	50.0		112	80-129		0.483	30	
Toluene	53.0		"	50.0		106	85-121		2.77	30	
trans-1,2-Dichloroethylene	52.1		"	50.0		104	72-132		2.19	30	
trans-1,3-Dichloropropylene	53.3		"	50.0		107	78-132		1.01	30	
Trichloroethylene	56.2		"	50.0		112	84-123		0.697	30	
Trichlorofluoromethane	60.4		"	50.0		121	62-140		2.84	30	
Vinyl acetate	46.2		"	50.0		92.3	67-136		1.24	30	
Vinyl Chloride	60.6		"	50.0		121	52-130		2.92	30	
Surrogate: 1,2-Dichloroethane-d4	*51.9*		*"*	*50.0*		*104*	*77-125*				
Surrogate: Toluene-d8	*50.2*		*"*	*50.0*		*100*	*85-120*				
Surrogate: p-Bromofluorobenzene	*48.7*		*"*	*50.0*		*97.3*	*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 BE61231 - EPA 3550C											
Blank (BE61231-BLK1)								Prepared & Analyzed: 05/25/2016			
1,2,4-Trichlorobenzene	ND	41.7	ug/kg wet								
1,2-Dichlorobenzene	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
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	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
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	"								
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	"								
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	"								

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 BE61231 - EPA 3550C											
Blank (BE61231-BLK1)								Prepared & Analyzed: 05/25/2016			
Hexachlorobenzene	ND	41.7	ug/kg wet								
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	"								
Pyridine	ND	167	"								
Surrogate: 2-Fluorophenol	*877*		*"*	*2510*		*34.9*	*20-108*				
Surrogate: Phenol-d5	*1020*		*"*	*2510*		*40.5*	*23-114*				
Surrogate: Nitrobenzene-d5	*573*		*"*	*1680*		*34.2*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*631*		*"*	*1670*		*37.8*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*693*		*"*	*2510*		*27.6*	*19-110*				
Surrogate: Terphenyl-d14	*442*		*"*	*1680*		*26.4*	*24-116*				
LCS (BE61231-BS1)								Prepared & Analyzed: 05/25/2016			
1,2,4-Trichlorobenzene	718	41.7	ug/kg wet	1670		43.1	23-130				
1,2-Dichlorobenzene	853	41.7	"	1670		51.2	26-113				
1,3-Dichlorobenzene	847	41.7	"	1670		50.8	32-113				
1,4-Dichlorobenzene	849	41.7	"	1670		51.0	28-111				
2,4,5-Trichlorophenol	726	41.7	"	1670		43.6	14-138				
2,4,6-Trichlorophenol	807	41.7	"	1670		48.4	27-122				
2,4-Dichlorophenol	815	41.7	"	1670		48.9	23-133				
2,4-Dimethylphenol	785	41.7	"	1670		47.1	15-131				
2,4-Dinitrophenol	713	83.3	"	1670		42.8	10-149				
2,4-Dinitrotoluene	974	41.7	"	1670		58.4	30-123				
2,6-Dinitrotoluene	927	41.7	"	1670		55.6	30-125				
2-Chloronaphthalene	853	41.7	"	1670		51.2	22-115				
2-Chlorophenol	860	41.7	"	1670		51.6	25-121				
2-Methylnaphthalene	835	41.7	"	1670		50.1	16-127				
2-Methylphenol	839	41.7	"	1670		50.3	10-146				
2-Nitroaniline	942	83.3	"	1670		56.5	24-126				
2-Nitrophenol	789	41.7	"	1670		47.4	17-129				
3- & 4-Methylphenols	879	41.7	"	1670		52.8	20-109				
3,3'-Dichlorobenzidine	680	41.7	"	1670		40.8	10-147				
3-Nitroaniline	841	83.3	"	1670		50.5	23-123				
4,6-Dinitro-2-methylphenol	786	83.3	"	1670		47.2	10-149				
4-Bromophenyl phenyl ether	797	41.7	"	1670		47.8	30-138				
4-Chloro-3-methylphenol	843	41.7	"	1670		50.6	16-138				
4-Chloroaniline	796	41.7	"	1670		47.7	10-117				
4-Chlorophenyl phenyl ether	834	41.7	"	1670		50.0	18-132				
4-Nitroaniline	883	83.3	"	1670		53.0	14-125				
4-Nitrophenol	922	83.3	"	1670		55.3	10-136				

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 BE61231 - EPA 3550C											
LCS (BE61231-BS1)							Prepared & Analyzed: 05/25/2016				
Acenaphthene	905	41.7	ug/kg wet	1670		54.3	17-124				
Acenaphthylene	818	41.7	"	1670		49.1	16-124				
Aniline	747	167	"	1670		44.8	10-111				
Anthracene	894	41.7	"	1670		53.7	24-124				
Benzo(a)anthracene	737	41.7	"	1670		44.2	25-134				
Benzo(a)pyrene	899	41.7	"	1670		54.0	29-144				
Benzo(b)fluoranthene	757	41.7	"	1670		45.4	20-151				
Benzo(g,h,i)perylene	1190	41.7	"	1670		71.4	10-153				
Benzo(k)fluoranthene	784	41.7	"	1670		47.0	10-148				
Benzyl alcohol	920	41.7	"	1670		55.2	17-128				
Benzyl butyl phthalate	834	41.7	"	1670		50.0	10-132				
Bis(2-chloroethoxy)methane	859	41.7	"	1670		51.5	10-129				
Bis(2-chloroethyl)ether	931	41.7	"	1670		55.8	14-125				
Bis(2-chloroisopropyl)ether	987	41.7	"	1670		59.2	14-122				
Bis(2-ethylhexyl)phthalate	890	41.7	"	1670		53.4	10-141				
Chrysene	809	41.7	"	1670		48.6	24-116				
Dibenzo(a,h)anthracene	1180	41.7	"	1670		70.8	17-147				
Dibenzofuran	848	41.7	"	1670		50.9	23-123				
Diethyl phthalate	831	41.7	"	1670		49.9	23-122				
Dimethyl phthalate	861	41.7	"	1670		51.7	28-127				
Di-n-butyl phthalate	882	41.7	"	1670		52.9	19-123				
Di-n-octyl phthalate	836	41.7	"	1670		50.2	10-132				
Fluoranthene	880	41.7	"	1670		52.8	36-125				
Fluorene	910	41.7	"	1670		54.6	16-130				
Hexachlorobenzene	784	41.7	"	1670		47.1	10-129				
Hexachlorobutadiene	659	41.7	"	1670		39.6	22-153				
Hexachlorocyclopentadiene	151	41.7	"	1670		9.06	10-134	Low Bias			
Hexachloroethane	920	41.7	"	1670		55.2	20-112				
Indeno(1,2,3-cd)pyrene	1120	41.7	"	1670		67.4	10-155				
Isophorone	849	41.7	"	1670		51.0	14-131				
Naphthalene	825	41.7	"	1670		49.5	20-121				
Nitrobenzene	827	41.7	"	1670		49.6	20-121				
N-Nitrosodimethylamine	892	41.7	"	1670		53.5	10-124				
N-nitroso-di-n-propylamine	901	41.7	"	1670		54.0	21-119				
N-Nitrosodiphenylamine	918	41.7	"	1670		55.1	10-163				
Pentachlorophenol	653	41.7	"	1670		39.2	10-143				
Phenanthrene	915	41.7	"	1670		54.9	24-123				
Phenol	875	41.7	"	1670		52.5	15-123				
Pyrene	813	41.7	"	1670		48.8	24-132				
Pyridine	757	167	"	1670		45.4	10-92				
Surrogate: 2-Fluorophenol	*1170*		*"*	*2510*		*46.5*	*20-108*				
Surrogate: Phenol-d5	*1230*		*"*	*2510*		*49.0*	*23-114*				
Surrogate: Nitrobenzene-d5	*730*		*"*	*1680*		*43.5*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*719*		*"*	*1670*		*43.1*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*908*		*"*	*2510*		*36.1*	*30-130*				
Surrogate: Terphenyl-d14	*559*		*"*	*1680*		*33.3*	*24-116*				

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 BE61231 - EPA 3550C											
LCS Dup (BE61231-BSD1)							Prepared & Analyzed: 05/25/2016				
1,2,4-Trichlorobenzene	727	41.7	ug/kg wet	1670		43.6	23-130		1.20	30	
1,2-Dichlorobenzene	869	41.7	"	1670		52.1	26-113		1.82	30	
1,3-Dichlorobenzene	868	41.7	"	1670		52.1	32-113		2.49	30	
1,4-Dichlorobenzene	867	41.7	"	1670		52.0	28-111		2.02	30	
2,4,5-Trichlorophenol	722	41.7	"	1670		43.3	14-138		0.599	30	
2,4,6-Trichlorophenol	818	41.7	"	1670		49.1	27-122		1.27	30	
2,4-Dichlorophenol	830	41.7	"	1670		49.8	23-133		1.78	30	
2,4-Dimethylphenol	816	41.7	"	1670		49.0	15-131		3.91	30	
2,4-Dinitrophenol	904	83.3	"	1670		54.2	10-149		23.7	30	
2,4-Dinitrotoluene	1010	41.7	"	1670		60.6	30-123		3.70	30	
2,6-Dinitrotoluene	948	41.7	"	1670		56.9	30-125		2.24	30	
2-Chloronaphthalene	857	41.7	"	1670		51.4	22-115		0.429	30	
2-Chlorophenol	865	41.7	"	1670		51.9	25-121		0.618	30	
2-Methylnaphthalene	852	41.7	"	1670		51.1	16-127		2.09	30	
2-Methylphenol	846	41.7	"	1670		50.7	10-146		0.791	30	
2-Nitroaniline	984	83.3	"	1670		59.0	24-126		4.36	30	
2-Nitrophenol	815	41.7	"	1670		48.9	17-129		3.16	30	
3- & 4-Methylphenols	897	41.7	"	1670		53.8	20-109		1.95	30	
3,3'-Dichlorobenzidine	638	41.7	"	1670		38.3	10-147		6.32	30	
3-Nitroaniline	861	83.3	"	1670		51.6	23-123		2.27	30	
4,6-Dinitro-2-methylphenol	836	83.3	"	1670		50.2	10-149		6.17	30	
4-Bromophenyl phenyl ether	808	41.7	"	1670		48.5	30-138		1.41	30	
4-Chloro-3-methylphenol	876	41.7	"	1670		52.6	16-138		3.84	30	
4-Chloroaniline	810	41.7	"	1670		48.6	10-117		1.83	30	
4-Chlorophenyl phenyl ether	844	41.7	"	1670		50.6	18-132		1.19	30	
4-Nitroaniline	900	83.3	"	1670		54.0	14-125		1.87	30	
4-Nitrophenol	910	83.3	"	1670		54.6	10-136		1.27	30	
Acenaphthene	905	41.7	"	1670		54.3	17-124		0.0737	30	
Acenaphthylene	826	41.7	"	1670		49.6	16-124		0.973	30	
Aniline	750	167	"	1670		45.0	10-111		0.356	30	
Anthracene	928	41.7	"	1670		55.7	24-124		3.73	30	
Benzo(a)anthracene	739	41.7	"	1670		44.3	25-134		0.316	30	
Benzo(a)pyrene	917	41.7	"	1670		55.0	29-144		1.91	30	
Benzo(b)fluoranthene	762	41.7	"	1670		45.7	20-151		0.614	30	
Benzo(g,h,i)perylene	1220	41.7	"	1670		73.1	10-153		2.30	30	
Benzo(k)fluoranthene	801	41.7	"	1670		48.1	10-148		2.19	30	
Benzyl alcohol	936	41.7	"	1670		56.2	17-128		1.69	30	
Benzyl butyl phthalate	833	41.7	"	1670		50.0	10-132		0.0400	30	
Bis(2-chloroethoxy)methane	884	41.7	"	1670		53.0	10-129		2.91	30	
Bis(2-chloroethyl)ether	951	41.7	"	1670		57.1	14-125		2.16	30	
Bis(2-chloroisopropyl)ether	999	41.7	"	1670		60.0	14-122		1.24	30	
Bis(2-ethylhexyl)phthalate	905	41.7	"	1670		54.3	10-141		1.63	30	
Chrysene	813	41.7	"	1670		48.8	24-116		0.493	30	
Dibenzo(a,h)anthracene	1210	41.7	"	1670		72.4	17-147		2.35	30	
Dibenzofuran	854	41.7	"	1670		51.3	23-123		0.783	30	
Diethyl phthalate	857	41.7	"	1670		51.4	23-122		3.08	30	
Dimethyl phthalate	892	41.7	"	1670		53.5	28-127		3.50	30	
Di-n-butyl phthalate	905	41.7	"	1670		54.3	19-123		2.50	30	
Di-n-octyl phthalate	853	41.7	"	1670		51.2	10-132		1.93	30	
Fluoranthene	915	41.7	"	1670		54.9	36-125		3.90	30	
Fluorene	927	41.7	"	1670		55.6	16-130		1.85	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 BE61231 - EPA 3550C											
LCS Dup (BE61231-BSD1)							Prepared & Analyzed: 05/25/2016				
Hexachlorobenzene	789	41.7	ug/kg wet	1670		47.3	10-129		0.551	30	
Hexachlorobutadiene	676	41.7	"	1670		40.6	22-153		2.50	30	
Hexachlorocyclopentadiene	175	41.7	"	1670		10.5	10-134		14.5	30	
Hexachloroethane	945	41.7	"	1670		56.7	20-112		2.68	30	
Indeno(1,2,3-cd)pyrene	1140	41.7	"	1670		68.6	10-155		1.74	30	
Isophorone	869	41.7	"	1670		52.1	14-131		2.29	30	
Naphthalene	830	41.7	"	1670		49.8	20-121		0.564	30	
Nitrobenzene	846	41.7	"	1670		50.8	20-121		2.27	30	
N-Nitrosodimethylamine	972	41.7	"	1670		58.3	10-124		8.58	30	
N-nitroso-di-n-propylamine	921	41.7	"	1670		55.3	21-119		2.27	30	
N-Nitrosodiphenylamine	940	41.7	"	1670		56.4	10-163		2.40	30	
Pentachlorophenol	681	41.7	"	1670		40.9	10-143		4.30	30	
Phenanthrene	943	41.7	"	1670		56.6	24-123		2.94	30	
Phenol	880	41.7	"	1670		52.8	15-123		0.570	30	
Pyrene	832	41.7	"	1670		49.9	24-132		2.31	30	
Pyridine	790	167	"	1670		47.4	10-92		4.27	30	
Surrogate: 2-Fluorophenol	*1280*		*"*	*2510*		*51.0*	*20-108*				
Surrogate: Phenol-d5	*1320*		*"*	*2510*		*52.7*	*23-114*				
Surrogate: Nitrobenzene-d5	*788*		*"*	*1680*		*47.0*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*756*		*"*	*1670*		*45.3*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*1020*		*"*	*2510*		*40.5*	*30-130*				
Surrogate: Terphenyl-d14	*605*		*"*	*1680*		*36.1*	*24-116*				

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 BE61079 - EPA 3550C											
Blank (BE61079-BLK1)								Prepared: 05/23/2016 Analyzed: 05/24/2016			
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	*58.6*		*"*	*66.7*		*87.9*	*30-140*				
Surrogate: Decachlorobiphenyl	*49.3*		*"*	*66.7*		*73.9*	*30-140*				
LCS (BE61079-BS1)								Prepared: 05/23/2016 Analyzed: 05/24/2016			
4,4'-DDD	25.4	0.330	ug/kg wet	33.3		76.3	40-140				
4,4'-DDE	27.2	0.330	"	33.3		81.5	40-140				
4,4'-DDT	18.2	0.330	"	33.3		54.7	40-140				
Aldrin	21.0	0.330	"	33.3		62.9	40-140				
alpha-BHC	31.9	0.330	"	33.3		95.7	40-140				
alpha-Chlordane	27.3	0.330	"	33.3		82.0	40-140				
beta-BHC	27.8	0.330	"	33.3		83.4	40-140				
delta-BHC	29.1	0.330	"	33.3		87.2	40-140				
Dieldrin	26.7	0.330	"	33.3		80.0	40-140				
Endosulfan I	26.1	0.330	"	33.3		78.4	40-140				
Endosulfan II	24.8	0.330	"	33.3		74.4	40-140				
Endosulfan sulfate	22.6	0.330	"	33.3		67.9	40-140				
Endrin	23.3	0.330	"	33.3		69.9	40-140				
Endrin aldehyde	20.4	0.330	"	33.3		61.2	40-140				
Endrin ketone	22.7	0.330	"	33.3		68.0	40-140				
gamma-BHC (Lindane)	30.2	0.330	"	33.3		90.5	40-140				
gamma-Chlordane	26.9	0.330	"	33.3		80.6	40-140				
Heptachlor	22.8	0.330	"	33.3		68.5	40-140				
Heptachlor epoxide	26.4	0.330	"	33.3		79.1	40-140				
Methoxychlor	18.7	1.65	"	33.3		56.0	40-140				
Surrogate: Tetrachloro-m-xylene	*63.6*		*"*	*66.7*		*95.4*	*30-140*				
Surrogate: Decachlorobiphenyl	*43.3*		*"*	*66.7*		*65.0*	*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 BE61079 - EPA 3550C											
LCS Dup (BE61079-BSD1)								Prepared: 05/23/2016 Analyzed: 05/24/2016			
4,4'-DDD	29.9	0.330	ug/kg wet	33.3		89.8	40-140		16.2	30	
4,4'-DDE	31.9	0.330	"	33.3		95.6	40-140		15.9	30	
4,4'-DDT	22.5	0.330	"	33.3		67.5	40-140		21.0	30	
Aldrin	24.8	0.330	"	33.3		74.3	40-140		16.6	30	
alpha-BHC	35.6	0.330	"	33.3		107	40-140		11.0	30	
alpha-Chlordane	31.1	0.330	"	33.3		93.2	40-140		12.7	30	
beta-BHC	31.1	0.330	"	33.3		93.2	40-140		11.1	30	
delta-BHC	31.8	0.330	"	33.3		95.3	40-140		8.81	30	
Dieldrin	30.4	0.330	"	33.3		91.3	40-140		13.2	30	
Endosulfan I	29.8	0.330	"	33.3		89.3	40-140		13.1	30	
Endosulfan II	28.1	0.330	"	33.3		84.4	40-140		12.6	30	
Endosulfan sulfate	25.4	0.330	"	33.3		76.3	40-140		11.7	30	
Endrin	27.1	0.330	"	33.3		81.2	40-140		15.1	30	
Endrin aldehyde	21.3	0.330	"	33.3		63.8	40-140		4.27	30	
Endrin ketone	25.8	0.330	"	33.3		77.3	40-140		12.9	30	
gamma-BHC (Lindane)	33.9	0.330	"	33.3		102	40-140		11.7	30	
gamma-Chlordane	30.6	0.330	"	33.3		91.7	40-140		12.9	30	
Heptachlor	24.3	0.330	"	33.3		72.9	40-140		6.24	30	
Heptachlor epoxide	29.6	0.330	"	33.3		88.9	40-140		11.7	30	
Methoxychlor	21.0	1.65	"	33.3		62.9	40-140		11.6	30	
Surrogate: Tetrachloro-m-xylene	*66.5*		*"*	*66.7*		*99.7*	*30-140*				
Surrogate: Decachlorobiphenyl	*49.2*		*"*	*66.7*		*73.8*	*30-140*				
Batch Y6E2517 - BE61126											
Performance Mix (Y6E2517-PEM1)								Prepared & Analyzed: 05/24/2016			
4,4'-DDD	3.09		ng/mL	0.00			0-200				
4,4'-DDE	0.586		"	0.00			0-200				
4,4'-DDT	124		"	200		61.9	0-200				
Endrin	92.6		"	100		92.6	0-200				
Endrin aldehyde	0.821		"	0.00			0-200				
Endrin ketone	4.59		"	0.00			0-200				

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 Y6E2517 - BE61126											
Performance Mix (Y6E2517-PEM2)							Prepared & Analyzed: 05/24/2016				
4,4'-DDD	5.17		ng/mL	0.00			0-200				
4,4'-DDE	0.492		"	0.00			0-200				
4,4'-DDT	98.4		"	200		49.2	0-200				
Endrin	80.0		"	100		80.0	0-200				
Endrin aldehyde	1.18		"	0.00			0-200				
Endrin ketone	6.42		"	0.00			0-200				

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 BE61079 - EPA 3550C											
Blank (BE61079-BLK2)							Prepared & Analyzed: 05/23/2016				
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	*0.0543*		*"*	*0.0667*		*81.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0493*		*"*	*0.0667*		*74.0*	*30-140*				
LCS (BE61079-BS2)							Prepared & Analyzed: 05/23/2016				
Aroclor 1016	0.351	0.0167	mg/kg wet	0.333		105	40-130				
Aroclor 1260	0.295	0.0167	"	0.333		88.6	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0570*		*"*	*0.0667*		*85.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0520*		*"*	*0.0667*		*78.0*	*30-140*				
LCS Dup (BE61079-BSD2)							Prepared & Analyzed: 05/23/2016				
Aroclor 1016	0.335	0.0167	mg/kg wet	0.333		100	40-130		4.78	25	
Aroclor 1260	0.287	0.0167	"	0.333		86.0	40-130		2.95	25	
Surrogate: Tetrachloro-m-xylene	*0.0547*		*"*	*0.0667*		*82.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0497*		*"*	*0.0667*		*74.5*	*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 BE61107 - EPA 3050B											
Blank (BE61107-BLK1)								Prepared: 05/23/2016 Analyzed: 05/24/2016			
Aluminum	ND	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	ND	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 (BE61107-DUP1)	*Source sample: 16E0899-01 (SP-11 (0-2'))							Prepared: 05/23/2016 Analyzed: 05/24/2016			
Aluminum	7280	5.74	mg/kg dry		7250				0.476	35	
Antimony	ND	0.574	"		ND					35	
Arsenic	5.12	1.15	"		4.39				15.3	35	
Barium	95.1	1.15	"		91.8				3.57	35	
Beryllium	0.193	0.115	"		0.184				5.21	35	
Cadmium	ND	0.345	"		ND					35	
Calcium	17500	5.74	"		17400				0.889	35	
Chromium	16.1	0.574	"		15.6				3.39	35	
Cobalt	6.94	0.574	"		6.69				3.65	35	
Copper	26.1	0.574	"		25.3				3.03	35	
Iron	17400	2.30	"		17000				1.97	35	
Lead	96.5	0.345	"		93.3				3.47	35	
Magnesium	2480	5.74	"		2430				1.96	35	
Manganese	373	0.574	"		360				3.46	35	
Nickel	13.8	0.574	"		13.2				4.35	35	
Potassium	856	5.74	"		838				2.14	35	
Selenium	ND	1.15	"		1.99					35	
Silver	ND	0.574	"		ND					35	
Sodium	190	11.5	"		187				1.50	35	
Thallium	ND	1.15	"		ND					35	
Vanadium	26.6	1.15	"		25.5				4.14	35	
Zinc	97.3	1.15	"		93.8				3.66	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 BE61107 - EPA 3050B											
Matrix Spike (BE61107-MS1)	*Source sample: 16E0899-01 (SP-11 (0-2'))							Prepared: 05/23/2016 Analyzed: 05/24/2016			
Aluminum	7750	5.74	mg/kg dry	230	7250	222	75-125	High Bias			
Antimony	31.3	0.574	"	28.7	ND	109	75-125				
Arsenic	235	1.15	"	230	4.39	101	75-125				
Barium	325	1.15	"	230	91.8	102	75-125				
Beryllium	5.94	0.115	"	5.74	0.184	100	75-125				
Cadmium	5.69	0.345	"	5.74	ND	99.1	75-125				
Chromium	38.5	0.574	"	23.0	15.6	99.6	75-125				
Cobalt	66.0	0.574	"	57.4	6.69	103	75-125				
Copper	55.1	0.574	"	28.7	25.3	104	75-125				
Iron	17500	2.30	"	115	17000	386	75-125	High Bias			
Lead	153	0.345	"	57.4	93.3	103	75-125				
Magnesium	2490	5.74	"		2430		75-125				
Manganese	421	0.574	"	57.4	360	106	75-125				
Nickel	73.7	0.574	"	57.4	13.2	105	75-125				
Potassium	856	5.74	"		838		75-125				
Selenium	233	1.15	"	230	1.99	100	75-125				
Silver	2.59	0.574	"	5.74	ND	45.2	75-125	Low Bias			
Sodium	186	11.5	"		187		75-125				
Thallium	212	1.15	"	230	ND	92.1	75-125				
Vanadium	82.1	1.15	"	57.4	25.5	98.6	75-125				
Zinc	152	1.15	"	57.4	93.8	101	75-125				
Reference (BE61107-SRM1)								Prepared: 05/23/2016 Analyzed: 05/24/2016			
Aluminum	7510	5.00	mg/kg wet	8060		93.2	38.9-160				
Antimony	98.6	0.500	"	94.0		105	22.8-257.5				
Arsenic	109	1.00	"	113		96.7	69.7-142.5				
Barium	153	1.00	"	155		98.8	72.9-127.1				
Beryllium	107	0.100	"	109		97.7	74.7-124.8				
Cadmium	65.6	0.300	"	67.5		97.2	73.2-126.8				
Calcium	5690	5.00	"	5850		97.2	73.7-126.5				
Chromium	163	0.500	"	164		99.6	70.7-129.9				
Cobalt	104	0.500	"	100		104	74.4-126				
Copper	127	0.500	"	128		99.3	75.2-125.8				
Iron	13900	2.00	"	15200		91.5	37.4-162.5				
Lead	84.1	0.300	"	90.1		93.3	70.1-129.9				
Magnesium	2700	5.00	"	2790		96.8	65.2-135.1				
Manganese	357	0.500	"	363		98.2	75.8-124.5				
Nickel	103	0.500	"	89.3		115	72-127.7				
Potassium	2470	5.00	"	2770		89.1	61.7-138.3				
Selenium	150	1.00	"	156		95.9	67.3-132.1				
Silver	47.9	0.500	"	52.6		91.2	66.7-133.5				
Sodium	672	10.0	"	686		97.9	55.8-144.2				
Thallium	92.1	1.00	"	116		79.4	67.4-131.9				
Vanadium	68.3	1.00	"	73.0		93.5	59.7-139.7				
Zinc	162	1.00	"	168		96.3	69-131.5				

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 BE61075 - EPA 7473 soil											
Blank (BE61075-BLK1)								Prepared & Analyzed: 05/23/2016			
Mercury	ND	0.0300	mg/kg wet								
Reference (BE61075-SRM1)								Prepared & Analyzed: 05/23/2016			
Mercury	6.7747		mg/kg	5.76		118	71.2-129				

Wet Chemistry 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 BE61083 - EPA SW846-3060											
Blank (BE61083-BLK1)								Prepared & Analyzed: 05/23/2016			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BE61083-SRM1)								Prepared & Analyzed: 05/23/2016			
Chromium, Hexavalent	65.2		mg/L	108		60.4	29.8-206				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16E0899-01	SP-11 (0-2')	Encore Sampler
16E0899-02	SP-11 (12-14')	Encore Sampler
16E0899-03	SP-12 (0-2')	Encore Sampler
16E0899-04	SP-12 (12-14')	Encore Sampler

Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
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-LSRD	Original sample conc <50 X reporting limit.
M-HCSpk	Sample conc. >10 X spike 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.
IS-06	Internal standard perylene-d12 did not meet acceptance criteria. The sample was reanalyzed to confirm matrix interference. Compounds affected are: Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene.
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
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. 16E0899

YOUR Information

Company: Hydro Tech
Address: 15 Ocean Avenue
Brooklyn, New York 11225
Phone No. 718-636-0800
Contact Person: AJ Infante
E-Mail Address: AInfante@hydrotechenvironmental.com

Report To:

Company: SAME
Address:
Phone No.
Attention: AJ Infante
E-Mail Address:

Invoice To:

Company: SAME
Address:
Phone No.
Attention: Muslima Ward
E-Mail Address:

YOUR Project ID

160133

Purchase Order No.

8310

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

Report Type

- Summary Report ___
- Summary w/ QA Summary X
- CT RCP Package ___
- CTRCP DQA/DUE Pkg ___
- NY ASP A Package ___
- NY ASP B Package ___
- 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** X

Compare to the following Regs. (please fill in): NY Part 375 Unrestricted & Restricted

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)

AJ Infante
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)
SP-11 (0-2')	5/19/16 10:30	S	Full E-Designation Parameters: VOCs, SVOCs,	3-enCores & 2-8oz jars
SP-11 (12-14')	↓ 10:45	S	Pesticides, PCBs, TAL Metals, hexavalent &	& 1-2 oz jar
SP-12 (0-2')	13:30	S	trivalent chromium.	
SP-12 (12-14')	13:45	S		

Comments

Preservation Check those Applicable: 4°C X Frozen ___ HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other X enCore

Special Instructions
- Field Filtered ☐
- Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
		[signature]	5/20/16 1325
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		TC [signature]	5/20/16 1803

Temperature on Receipt 4.0 °C

Appendix 15

RIR Addendum Soil Vapor Lab Report

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: AJ Infante

Report Date: 05/25/2016
Client Project ID: 160133
York Project (SDG) No.: 16E0893

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

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

Report Date: 05/25/2016
Client Project ID: 160133
York Project (SDG) No.: 16E0893

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: AJ Infante

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 May 20, 2016 and listed below. The project was identified as your project: **160133**.

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
16E0893-01	SV-6	Soil Vapor	05/19/2016	05/20/2016
16E0893-02	SV-7	Soil Vapor	05/19/2016	05/20/2016

General Notes for York Project (SDG) No.: 16E0893

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:** 05/25/2016

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SV-6** **York Sample ID:** **16E0893-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0893	160133	Soil Vapor	May 19, 2016 3:00 pm	05/20/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	15	15	22.3	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 13:10	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	12	12	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	15	15	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	17	17	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	12	12	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	9.0	9.0	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	8.8	8.8	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	17	17	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**390**		ug/m³	11	11	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	17	17	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	13	13	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	9.0	9.0	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	10	10	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	16	16	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
108-67-8	**1,3,5-Trimethylbenzene**	**86**		ug/m³	11	11	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
106-99-0	**1,3-Butadiene**	**84**		ug/m³	15	15	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	13	13	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	10	10	22.3	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 13:10	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	13	13	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	16	16	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
78-93-3	**2-Butanone**	**850**		ug/m³	6.6	6.6	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
591-78-6	*** 2-Hexanone**	**31**		ug/m³	18	18	22.3	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 13:10	LDS

Sample Information

Client Sample ID: **SV-6** **York Sample ID:** **16E0893-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0893	160133	Soil Vapor	May 19, 2016 3:00 pm	05/20/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	35	35	22.3	EPA TO-15 Certifications: NELAC-NY10854	05/23/2016 08:18	05/23/2016 13:10	LDS
108-10-1	**4-Methyl-2-pentanone**	**140**		ug/m³	9.1	9.1	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
67-64-1	**Acetone**	**900**		ug/m³	11	11	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
107-13-1	Acrylonitrile	ND		ug/m³	4.8	4.8	22.3	EPA TO-15 Certifications: NELAC-NY10854	05/23/2016 08:18	05/23/2016 13:10	LDS
71-43-2	**Benzene**	**46**		ug/m³	7.1	7.1	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
100-44-7	Benzyl chloride	ND		ug/m³	12	12	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	15	15	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
75-25-2	Bromoform	ND		ug/m³	23	23	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
74-83-9	Bromomethane	ND		ug/m³	8.7	8.7	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
75-15-0	**Carbon disulfide**	**42**		ug/m³	6.9	6.9	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	3.5	3.5	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
108-90-7	Chlorobenzene	ND		ug/m³	10	10	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
75-00-3	Chloroethane	ND		ug/m³	5.9	5.9	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
67-66-3	**Chloroform**	**21**		ug/m³	11	11	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
74-87-3	Chloromethane	ND		ug/m³	4.6	4.6	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	8.8	8.8	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	10	10	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
110-82-7	Cyclohexane	ND		ug/m³	7.7	7.7	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	19	19	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	11	11	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	16	16	22.3	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 13:10	LDS
100-41-4	**Ethyl Benzene**	**700**		ug/m³	9.7	9.7	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	24	24	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS

Sample Information

Client Sample ID: **SV-6** **York Sample ID:** **16E0893-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0893	160133	Soil Vapor	May 19, 2016 3:00 pm	05/20/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m³	11	11	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	9.1	9.1	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	8.0	8.0	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
75-09-2	**Methylene chloride**	**29**		ug/m³	15	15	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
142-82-5	**n-Heptane**	**30**		ug/m³	9.1	9.1	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
110-54-3	**n-Hexane**	**46**		ug/m³	7.9	7.9	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
95-47-6	**o-Xylene**	**970**		ug/m³	9.7	9.7	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
179601-23-1	**p- & m- Xylenes**	**2900**		ug/m³	19	19	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
622-96-8	*** p-Ethyltoluene**	**230**		ug/m³	11	11	22.3	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 13:10	LDS
115-07-1	*** Propylene**	**460**		ug/m³	3.8	3.8	22.3	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 13:10	LDS
100-42-5	Styrene	ND		ug/m³	9.5	9.5	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
127-18-4	**Tetrachloroethylene**	**39**		ug/m³	3.8	3.8	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	13	13	22.3	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 13:10	LDS
108-88-3	**Toluene**	**66**		ug/m³	8.4	8.4	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	8.8	8.8	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	10	10	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
79-01-6	Trichloroethylene	ND		ug/m³	3.0	3.0	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	13	13	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
108-05-4	Vinyl acetate	ND		ug/m³	7.9	7.9	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
593-60-2	Vinyl bromide	ND		ug/m³	9.8	9.8	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	5.7	5.7	22.3	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 13:10	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*72-118*

Sample Information

Client Sample ID: SV-7 **York Sample ID:** 16E0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0893	160133	Soil Vapor	May 19, 2016 3:00 pm	05/20/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.6	1.6	2.366	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 22:15	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.3	1.3	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.6	1.6	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.8	1.8	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.3	1.3	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.96	0.96	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.94	0.94	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.8	1.8	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**75**		ug/m³	1.2	1.2	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.8	1.8	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.4	1.4	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.96	0.96	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.1	1.1	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.7	1.7	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
108-67-8	**1,3,5-Trimethylbenzene**	**21**		ug/m³	1.2	1.2	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
106-99-0	**1,3-Butadiene**	**18**		ug/m³	1.6	1.6	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.4	1.4	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.1	1.1	2.366	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 22:15	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.4	1.4	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	1.7	1.7	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
78-93-3	**2-Butanone**	**42**		ug/m³	0.70	0.70	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
591-78-6	*** 2-Hexanone**	**6.6**		ug/m³	1.9	1.9	2.366	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 22:15	LDS
107-05-1	3-Chloropropene	ND		ug/m³	3.7	3.7	2.366	EPA TO-15 Certifications: NELAC-NY10854	05/23/2016 08:18	05/23/2016 22:15	LDS

Sample Information

Client Sample ID: **SV-7** **York Sample ID:** **16E0893-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0893	160133	Soil Vapor	May 19, 2016 3:00 pm	05/20/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	**4-Methyl-2-pentanone**	**63**		ug/m³	0.97	0.97	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
67-64-1	**Acetone**	**100**		ug/m³	1.1	1.1	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.51	0.51	2.366	EPA TO-15 Certifications: NELAC-NY10854	05/23/2016 08:18	05/23/2016 22:15	LDS
71-43-2	**Benzene**	**28**		ug/m³	0.76	0.76	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
100-44-7	Benzyl chloride	ND		ug/m³	1.2	1.2	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	1.6	1.6	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
75-25-2	Bromoform	ND		ug/m³	2.4	2.4	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
74-83-9	Bromomethane	ND		ug/m³	0.92	0.92	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
75-15-0	**Carbon disulfide**	**15**		ug/m³	0.74	0.74	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	0.37	0.37	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
108-90-7	Chlorobenzene	ND		ug/m³	1.1	1.1	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
75-00-3	Chloroethane	ND		ug/m³	0.62	0.62	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
67-66-3	**Chloroform**	**9.4**		ug/m³	1.2	1.2	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
74-87-3	Chloromethane	ND		ug/m³	0.49	0.49	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.94	0.94	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.1	1.1	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
110-82-7	**Cyclohexane**	**4.1**		ug/m³	0.81	0.81	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	2.0	2.0	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
75-71-8	**Dichlorodifluoromethane**	**2.1**		ug/m³	1.2	1.2	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	1.7	1.7	2.366	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 22:15	LDS
100-41-4	**Ethyl Benzene**	**21**		ug/m³	1.0	1.0	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.5	2.5	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
67-63-0	Isopropanol	ND		ug/m³	1.2	1.2	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS

Sample Information

Client Sample ID: **SV-7** **York Sample ID:** **16E0893-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0893	160133	Soil Vapor	May 19, 2016 3:00 pm	05/20/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	0.97	0.97	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.85	0.85	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
75-09-2	**Methylene chloride**	**3.7**		ug/m³	1.6	1.6	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
142-82-5	**n-Heptane**	**12**		ug/m³	0.97	0.97	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
110-54-3	**n-Hexane**	**15**		ug/m³	0.83	0.83	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
95-47-6	**o-Xylene**	**45**		ug/m³	1.0	1.0	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
179601-23-1	**p- & m- Xylenes**	**90**		ug/m³	2.1	2.1	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
622-96-8	*** p-Ethyltoluene**	**76**		ug/m³	1.2	1.2	2.366	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 22:15	LDS
115-07-1	*** Propylene**	**150**	E	ug/m³	0.41	0.41	2.366	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 22:15	LDS
100-42-5	Styrene	ND		ug/m³	1.0	1.0	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
127-18-4	**Tetrachloroethylene**	**34**		ug/m³	0.40	0.40	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.4	1.4	2.366	EPA TO-15 Certifications:	05/23/2016 08:18	05/23/2016 22:15	LDS
108-88-3	**Toluene**	**25**		ug/m³	0.89	0.89	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.94	0.94	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.1	1.1	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
79-01-6	**Trichloroethylene**	**2.7**		ug/m³	0.32	0.32	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.7**		ug/m³	1.3	1.3	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.83	0.83	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
593-60-2	Vinyl bromide	ND		ug/m³	1.0	1.0	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.60	0.60	2.366	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/23/2016 08:18	05/23/2016 22:15	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*72-118*

Analytical Batch Summary

Batch ID: BE61098 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
16E0893-01	SV-6	05/23/16
16E0893-02	SV-7	05/23/16
BE61098-BLK1	Blank	05/23/16
BE61098-BS1	LCS	05/23/16

Volatile Organic Compounds in Air 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 BE61098 - EPA TO15 PREP											
Blank (BE61098-BLK1)								Prepared & Analyzed: 05/23/2016			
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								

Volatile Organic Compounds in Air 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 BE61098 - EPA TO15 PREP											
Blank (BE61098-BLK1)								Prepared & Analyzed: 05/23/2016			
o-Xylene	ND	0.43	ug/m³								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.26	"								
Surrogate: p-Bromofluorobenzene	*9.79*		*ppbv*	*10.0*		*97.9*	*72-118*				
LCS (BE61098-BS1)								Prepared & Analyzed: 05/23/2016			
1,1,1,2-Tetrachloroethane	11.8		ppbv	10.0		118	82-126				
1,1,1-Trichloroethane	12.4		"	10.0		124	70-130				
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7		"	10.0		117	70-130				
1,1,2-Trichloroethane	11.0		"	10.0		110	70-130				
1,1-Dichloroethane	11.4		"	10.0		114	70-130				
1,1-Dichloroethylene	11.9		"	10.0		119	70-130				
1,2,4-Trichlorobenzene	8.29		"	10.0		82.9	70-130				
1,2,4-Trimethylbenzene	12.3		"	10.0		123	70-130				
1,2-Dibromoethane	11.8		"	10.0		118	70-130				
1,2-Dichlorobenzene	11.7		"	10.0		117	70-130				
1,2-Dichloroethane	12.0		"	10.0		120	70-130				
1,2-Dichloropropane	11.1		"	10.0		111	70-130				
1,2-Dichlorotetrafluoroethane	11.2		"	10.0		112	70-130				
1,3,5-Trimethylbenzene	12.0		"	10.0		120	70-130				
1,3-Butadiene	10.8		"	10.0		108	70-130				
1,3-Dichlorobenzene	11.8		"	10.0		118	70-130				
1,3-Dichloropropane	11.1		"	10.0		111	70-130				
1,4-Dichlorobenzene	12.1		"	10.0		121	70-130				
1,4-Dioxane	17.1		"	10.0		171	70-130	High Bias			
2-Butanone	11.6		"	10.0		116	70-130				
2-Hexanone	11.3		"	10.0		113	70-130				
3-Chloropropene	12.0		"	10.0		120	70-130				
4-Methyl-2-pentanone	14.0		"	10.0		140	70-130	High Bias			
Acetone	10.0		"	10.0		100	70-130				
Acrylonitrile	11.9		"	10.0		119	70-130				
Benzene	11.3		"	10.0		113	70-130				
Benzyl chloride	8.45		"	10.0		84.5	70-130				
Bromodichloromethane	11.7		"	10.0		117	70-130				
Bromoform	12.1		"	10.0		121	70-130				
Bromomethane	10.4		"	10.0		104	70-130				
Carbon disulfide	12.5		"	10.0		125	70-130				
Carbon tetrachloride	12.7		"	10.0		127	70-130				
Chlorobenzene	11.0		"	10.0		110	70-130				

Volatile Organic Compounds in Air 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 BE61098 - EPA TO15 PREP											
LCS (BE61098-BS1)							Prepared & Analyzed: 05/23/2016				
Chloroethane	11.9		ppbv	10.0		119	70-130				
Chloroform	11.5		"	10.0		115	70-130				
Chloromethane	10.2		"	10.0		102	70-130				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	70-130				
cis-1,3-Dichloropropylene	12.9		"	10.0		129	70-130				
Cyclohexane	12.5		"	10.0		125	70-130				
Dibromochloromethane	12.1		"	10.0		121	70-130				
Dichlorodifluoromethane	11.3		"	10.0		113	70-130				
Ethyl acetate	14.9		"	10.0		149	70-130	High Bias			
Ethyl Benzene	11.7		"	10.0		117	70-130				
Hexachlorobutadiene	11.6		"	10.0		116	70-130				
Isopropanol	10.7		"	10.0		107	70-130				
Methyl Methacrylate	12.2		"	10.0		122	70-130				
Methyl tert-butyl ether (MTBE)	13.3		"	10.0		133	70-130	High Bias			
Methylene chloride	10.1		"	10.0		101	70-130				
n-Heptane	12.7		"	10.0		127	70-130				
n-Hexane	11.7		"	10.0		117	70-130				
o-Xylene	12.6		"	10.0		126	70-130				
p- & m- Xylenes	23.7		"	20.0		118	70-130				
p-Ethyltoluene	12.6		"	10.0		126	70-130				
Propylene	10.2		"	10.0		102	70-130				
Styrene	11.6		"	10.0		116	70-130				
Tetrachloroethylene	11.5		"	10.0		115	70-130				
Tetrahydrofuran	11.6		"	10.0		116	70-130				
Toluene	11.3		"	10.0		113	70-130				
trans-1,2-Dichloroethylene	12.2		"	10.0		122	70-130				
trans-1,3-Dichloropropylene	12.3		"	10.0		123	70-130				
Trichloroethylene	11.7		"	10.0		117	70-130				
Trichlorofluoromethane (Freon 11)	11.9		"	10.0		119	70-130				
Vinyl acetate	8.63		"	10.0		86.3	70-130				
Vinyl bromide	12.2		"	10.0		122	70-130				
Vinyl Chloride	11.6		"	10.0		116	70-130				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*72-118*				

Notes and Definitions

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.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to dectected analytes only.

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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.

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

YORK
ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record - AIR

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. 16E0893

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Hydro Tech	Company: SAME	Company: SAME	160133	RUSH - Same Day ☐	Summary Report ___
Address: 15 Ocean Ave Brooklyn, NY 11225	Address:	Address:		RUSH - Next Day ☐	Summary w/ QA Summary X
Phone No. 718-636-0800	Phone No.	Phone No.	Purchase Order No. 8310	RUSH - Two Day ☐	CT RCP Package ___
Contact Person: AJ Infante	Attention:	Attention:		RUSH - Three Day ☐	NY ASP A Package ___
E-Mail Address: AInfante@hydrotechenvironmental.com	E-Mail Address:	E-Mail Address:	Samples from: CT___ NY X NJ___	RUSH - Four Day ☐	NY ASP B/CLP Pkg ___
				Standard(5-7 Days) ☒	NJDEP Reduced ___
					Electronic Deliverables:
					EDD (Specify Type) ___
					Standard Excel ___
					Regulatory Comparison Excel X

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)

AJ Infante
Name (printed)

Air Matrix Codes

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

Additional Notes:

Please enter the following Field Data

Detection Limits Required

≤ 1 ug/m³ ___
NYSDEC VI Limits X (VI = vapor instrusion)
NJDEP low level ___
Routine Survey ___
Other ___

Special Instructions

NYSDOH Air Guidance Levels

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Canister ID	Flow Cont.ID	ANALYSES REQUESTED	Sampling Media
SV-6	5/19/16	AS	-30	-7	18316	T12	TO-15	6 Liter canister X Tedlar Bag ___
SV-7	5/19/16	AS	-30	-8	15524	T20	TO-15	6 Liter canister X Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___

omments

Samples Relinquished By ___ Date/Time ___

Samples Relinquished By ___ Date/Time ___

Samples Received By ___ Date/Time 5/20/16 1325

Samples Received in LAB by ___ Date/Time 5/20/16 - 1803