BROWNFIELD CLEANUP PROGRAM APPLICATION

140 Chandler Street, LLC
140 Chandler Street
Buffalo, New York 14207
BCP # C915354

August 1, 2019 rev October 8, 2019

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

On Behalf Of:
140 Chandler Street, LLC
391 Washington Street, Buffalo, New York 14203
WGS Project No: 18-105

Prepared By:

Wittman GeoSciences
3636 N. Buffalo Road
Orchard Park, NY 14127
(716) 574-1513

Schenne & Associates
391 Washington Street, Suite 800
Buffalo, NY 14203
(716) 655-4991

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION FORM

DEC requires an application to request major changes to the description of the property set forth in a Brownfield Cleanup Agreement, or "*BCA*" (e.g., adding a significant amount of new property, or adding property that could affect an eligibility determination due to contamination levels or intended land use). Such application must be submitted and processed in the same manner as the original application, including the required public comment period. **Is this an application to amend an existing BCA?**

☐ **Yes** ☑ **No** **If yes, provide existing site number:** _____

PART A (note: application is separated into Parts A and B for DEC review purposes) ***BCP App Rev 10***

Section I. Requestor Information - See Instructions for Further Guidance

DEC USE ONLY
BCP SITE #: _____

NAME 140 Chandler Street, LLC

ADDRESS 391 Washington Street, Suite 800

CITY/TOWN Buffalo ZIP CODE 14203

PHONE 716-861-5385 | FAX 716-768-1829 | E-MAIL rtermini@wnylofts.com

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

- If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS Department of State to conduct business in NYS, the requestor's name must appear, exactly as given above, in the NYS Department of State's Corporation & Business Entity Database. A print-out of entity information from the database must be submitted to the New York State Department of Environmental Conservation (DEC) with the application to document that the requestor is authorized to do business in NYS. **Please note:** If the requestor is an LLC, the members/owners names need to be provided on a separate attachment. Please see Section I Attachments

Do all individuals that will be certifying documents meet the requirements detailed below? ☑ Yes ☐ No

- Individuals that will be certifying BCP documents, as well as their employers, meet the requirements of Section 1.5 of *DER-10: Technical Guidance for Site Investigation and Remediation* and Article 145 of New York State Education Law. **Documents that are not properly certified will be not approved under the BCP**.

Section II. Project Description

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

NOTE: If the project is proposed to start at the remediation stage, a Remedial Investigation Report (RIR) at a minimum is required to be attached, resulting in a 30-day public comment period. If an Alternatives Analysis and Remedial Work Plan are also attached (see DER-10 / Technical Guidance for Site Investigation and Remediation for further guidance) then a 45-day public comment period is required.

2. If a final RIR is included, please verify it meets the requirements of Environmental Conservation Law (ECL) Article 27-1415(2): ☐ Yes ☐ No

3. Please attach a short description of the overall development project, including:

- the date that the remedial program is to start; and
- the date the Certificate of Completion is anticipated.

Please see Section II Attachments

Section III. Property's Environmental History

All applications **must include** an Investigation Report (per ECL 27-1407(1)). The report must be sufficient to establish contamination of environmental media on the site above applicable Standards, Criteria and Guidance (SCGs) based on the reasonably anticipated use of the property.

To the extent that existing information/studies/reports are available to the requestor, please attach the following (***please submit the information requested in this section in electronic format only***):

1. **Reports:** an example of an Investigation Report is a Phase II Environmental Site Assessment report prepared in accordance with the latest American Society for Testing and Materials standard (ASTM E1903). **Please submit a separate electronic copy of each report in Portable Document Format (PDF).**

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

Contaminant Category	Soil	Groundwater	Soil Gas
Petroleum		Benzene, Toluene	
Chlorinated Solvents			
Other VOCs			
SVOCs	PAHs	PAHs	
Metals	Barium, Lead		
Pesticides			
PCBs			
Other*			

***Please describe:** _____

3. FOR EACH IMPACTED MEDIUM INDICATED ABOVE, INCLUDE A SITE DRAWING INDICATING:

- **SAMPLE LOCATION**
- **DATE OF SAMPLING EVENT**
- **KEY CONTAMINANTS AND CONCENTRATION DETECTED**
- **FOR SOIL, HIGHLIGHT IF ABOVE REASONABLY ANTICIPATED USE**
- **FOR GROUNDWATER, HIGHLIGHT EXCEEDANCES OF 6NYCRR PART 703.5**
- **FOR SOIL GAS/ SOIL VAPOR/ INDOOR AIR, HIGHLIGHT IF ABOVE MITIGATE LEVELS ON THE NEW YORK STATE DEPARTMENT OF HEALTH MATRIX**

Please see Section III Attachments

THESE DRAWINGS ARE TO BE REPRESENTATIVE OF ALL DATA BEING RELIED UPON TO MAKE THE CASE THAT THE SITE IS IN NEED OF REMEDIATION UNDER THE BCP. DRAWINGS SHOULD NOT BE BIGGER THAN 11" X 17". THESE DRAWINGS SHOULD BE PREPARED IN ACCORDANCE WITH ANY GUIDANCE PROVIDED.

ARE THE REQUIRED MAPS INCLUDED WITH THE APPLICATION?* ☑ **Yes** ☐ **No**
(*answering No will result in an incomplete application)

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

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

Other:_____

Section IV. Property Information - See Instructions for Further Guidance

PROPOSED SITE NAME 140 Chandler Street

ADDRESS/LOCATION 140 Chandler Street

CITY/TOWN Buffalo ZIP CODE 14207

MUNICIPALITY(IF MORE THAN ONE, LIST ALL): Buffalo

COUNTY Erie SITE SIZE (ACRES) 0.96

LATITUDE (degrees/minutes/seconds)	LONGITUDE (degrees/minutes/seconds)
42 ° 56 ' 36.288 "	78 ° 53 ' 5.636 "

Complete tax map information for all tax parcels included within the proposed site boundary. If a portion of any lot is proposed , please indicate as such by inserting "P/O" in front of the lot number in the appropriate box below, and only include the acreage for that portion of the tax parcel in the corresponding far right column.ATTACH REQUIRED MAPS PER THE APPLICATION INSTRUCTIONS. Please see Section IV Attachments

Parcel Address	Section No.	Block No.	Lot No.	Acreage
140 Chandler, Buffalo	77.84	4	4	0,96

1. Do the proposed site boundaries correspond to tax map metes and bounds? ☑ Yes ☐ No
   If no, please attach an accurate map of the propsed site.

2. Is the required property map attached to the application? ☑ Yes ☐ No
   (application will not be processed without map)

3. Is the property within a designated Environmental Zone (En-zone) pursuant to Tax Law 21(b)(6)?
   (See DEC's website for more information) Yes ☑ No ☐

   If yes, identify census tract : 55, Erie County, New York

   Percentage of property in En-zone (check one): ☐ 0-49% ☐ 50-99% ☑ 100%

4. Is this application one of multiple applications for a large development project, where the development project spans more than 25 acres (see additional criteria in BCP application instructions)? ☐ Yes ☑ No

   If yes, identify name of properties (and site numbers if available) in related BCP applications:_____

5. Is the contamination from groundwater or soil vapor solely emanating from property other than the site subject to the present application? ☐ Yes ☑ No

6. Has the property previously been remediated pursuant to Titles 9, 13, or 14 of ECL Article 27, Title 5 of ECL Article 56, or Article 12 of Navigation Law? ☐ Yes ☑ No
   If yes, attach relevant supporting documentation. Please see Section IV Attachments

7. Are there any lands under water? ☐ Yes ☑ No
   If yes, these lands should be clearly delineated on the site map.

Section IV. Property Information (continued)

8. Are there any easements or existing rights of way that would preclude remediation in these areas? If yes, identify here and attach appropriate information. ☐ Yes ☑ No

Easement/Right-of-way Holder	Description

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

Type	Issuing Agency	Description

10. Property Description and Environmental Assessment – **please refer to application instructions for the proper format of <u>each</u> narrative requested.**

Are the Property Description and Environmental Assessment narratives included in the **prescribed format**? ☑ Yes ☐ No

Note: Questions 11 through 13 only pertain to sites located within the five counties comprising New York City

11. Is the requestor seeking a determination that the site is eligible for tangible property tax credits? ☐ Yes ☐ No
If yes, requestor must answer questions on the supplement at the end of this form.

12. Is the Requestor now, or will the Requestor in the future, seek a determination that the property is Upside Down? ☐ Yes ☐ No

13. If you have answered *Yes* to Question 12, above, is an independent appraisal of the value of the property, as of the date of application, prepared under the hypothetical condition that the property is not contaminated, included with the application? ☐ Yes ☐ No

NOTE: If a tangible property tax credit determination is not being requested in the application to participate in the BCP, the applicant may seek this determination at any time before issuance of a certificate of completion by using the BCP Amendment Application, <u>except</u> for sites seeking eligibility under the underutilized category.

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

Initials of each Requestor: _____ _____ _____ _____ _____ _____

BCP application - PART B (note: application is separated into Parts A and B for DEC review purposes)

Section V. Additional Requestor Information See Instructions for Further Guidance	DEC USE ONLY BCP SITE NAME: _____ BCP SITE #:_____	
NAME OF REQUESTOR'S AUTHORIZED REPRESENTATIVE Rocco Termini		
ADDRESS 391 Washington Street		
CITY/TOWN Buffalo		ZIP CODE 14203
PHONE 716-861-5385	FAX 716-768-1829	E-MAIL rtermini@wnylofts.com
NAME OF REQUESTOR'S CONSULTANT Michele Wittman - Wittman GeoSciences, PLLC		
ADDRESS 3636 N. Buffalo Road		
CITY/TOWN Orchard Park		ZIP CODE 14127
PHONE 716-574-1513	FAX	E-MAIL michelewittmangeo@gmail.com
NAME OF REQUESTOR'S ATTORNEY Marc A. Romanowski - Hopkins, Sorgi & Romanowski, PLLC		
ADDRESS 26 Mississippi Street, Suite 400		
CITY/TOWN Buffalo		ZIP CODE 14042
PHONE 716-427-7103	FAX 716-424-2171	E-MAIL mromanowski@hsr-legal.com

Section VI. Current Property Owner/Operator Information – if not a Requestor

CURRENT OWNER'S NAME same as requestor		OWNERSHIP START DATE: 12/5/2018
ADDRESS		
CITY/TOWN	ZIP CODE	
PHONE	FAX	E-MAIL
CURRENT OPERATOR'S NAME		
ADDRESS		
CITY/TOWN	ZIP CODE	
PHONE	FAX	E-MAIL

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

Please seee Section VI Attachments

IF REQUESTOR IS NOT THE CURRENT OWNER, DESCRIBE REQUESTOR'S RELATIONSHIP TO THE CURRENT OWNER, INCLUDING ANY RELATIONSHIP BETWEEN REQUESTOR'S CORPORATE MEMBERS AND THE CURRENT OWNER.

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

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

1. Are any enforcement actions pending against the requestor regarding this site? ☐ Yes ☑ No
2. Is the requestor subject to an existing order for the investigation, removal or remediation of contamination at the site? ☐ Yes ☑ No
3. Is the requestor subject to an outstanding claim by the Spill Fund for this site? Any questions regarding whether a party is subject to a spill claim should be discussed with the Spill Fund Administrator. ☐ Yes ☑ No

Section VII. Requestor Eligibility Information (continued)

4. Has the requestor been determined in an administrative, civil or criminal proceeding to be in violation of i) any provision of the ECL Article 27; ii) any order or determination; iii) any regulation implementing Title 14; or iv) any similar statute, regulation of the state or federal government? If so, provide an explanation on a separate attachment. ☐ Yes ☑ No
5. Has the requestor previously been denied entry to the BCP? If so, include information relative to the application, such as name, address, DEC assigned site number, the reason for denial, and other relevant information. ☐ Yes ☑ No
6. Has the requestor been found in a civil proceeding to have committed a negligent or intentionally tortious act involving the handling, storing, treating, disposing or transporting of contaminants? ☐ Yes ☑ No
7. Has the requestor been convicted of a criminal offense i) involving the handling, storing, treating, disposing or transporting of contaminants; or ii) that involves a violent felony, fraud, bribery, perjury, theft, or offense against public administration (as that term is used in Article 195 of the Penal Law) under federal law or the laws of any state? ☐ Yes ☑ No
8. Has the requestor knowingly falsified statements or concealed material facts in any matter within the jurisdiction of DEC, or submitted a false statement or made use of or made a false statement in connection with any document or application submitted to DEC? ☐ Yes ☑ No
9. Is the requestor an individual or entity of the type set forth in ECL 27-1407.9 (f) that committed an act or failed to act, and such act or failure to act could be the basis for denial of a BCP application? ☐ Yes ☑ No
10. Was the requestor's participation in any remedial program under DEC's oversight terminated by DEC or by a court for failure to substantially comply with an agreement or order? ☐ Yes ☑ No
11. Are there any unregistered bulk storage tanks on-site which require registration? ☐ Yes ☑ No

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

☐ PARTICIPANT

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

☑ VOLUNTEER

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

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

If a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site, submit a statement describing why you should be considered a volunteer – be specific as to the appropriate care taken.

Please see Section VII Attachments

Section VII. Requestor Eligibility Information (continued)

Requestor Relationship to Property (check one):
☐ Previous Owner ☑ Current Owner ☐ Potential /Future Purchaser ☐ Other_____

If requestor is not the current site owner, **proof of site access sufficient to complete the remediation must be submitted**. Proof must show that the requestor will have access to the property before signing the BCA and throughout the BCP project, including the ability to place an easement on the site Is this proof attached?

☐ Yes ☐ No

Note: a purchase contract does not suffice as proof of access.

Section VIII. Property Eligibility Information - See Instructions for Further Guidance

1. Is / was the property, or any portion of the property, listed on the National Priorities List?
   If yes, please provide relevant information as an attachment. ☐ Yes ☑ No
2. Is / was the property, or any portion of the property, listed on the NYS Registry of Inactive Hazardous Waste Disposal Sites pursuant to ECL 27-1305? ☐ Yes ☑ No
   If yes, please provide: Site #_____ Class # _____
3. Is / was the property subject to a permit under ECL Article 27, Title 9, other than an Interim Status facility? ☐ Yes ☑ No
   If yes, please provide: Permit type:_____ EPA ID Number:_____
   Date permit issued:_____ Permit expiration date:_____
4. If the answer to question 2 or 3 above is yes, is the site owned by a volunteer as defined under ECL 27-1405(1)(b), or under contract to be transferred to a volunteer? Attach any information available to the requestor related to previous owners or operators of the facility or property and their financial viability, including any bankruptcy filing and corporate dissolution documentation. ☐ Yes ☐ No
5. Is the property subject to a cleanup order under Navigation Law Article 12 or ECL Article 17 Title 10?
   If yes, please provide: Order #_____ ☐ Yes ☑ No
6. Is the property subject to a state or federal enforcement action related to hazardous waste or petroleum?
   If yes, please provide explanation as an attachment. ☐ Yes ☑ No

Section IX. Contact List Information

To be considered complete, the application must include the Brownfield Site Contact List in accordance with *DER-23 / Citizen Participation Handbook for Remedial Programs*. Please attach, at a minimum, the names and addresses of the following:

1. The chief executive officer and planning board chairperson of each county, city, town and village in which the property is located.
2. Residents, owners, and occupants of the property and properties adjacent to the property.
3. Local news media from which the community typically obtains information.
4. The public water supplier which services the area in which the property is located.
5. Any person who has requested to be placed on the contact list.
6. The administrator of any school or day care facility located on or near the property.
7. The location of a document repository for the project (e.g., local library). **If the site is located in a city with a population of one million or more, add the appropriate community board as an additional document repository**. In addition, attach a copy of an acknowledgement from each repository indicating that it agrees to act as the document repository for the site. Please see Section IX Attachments

Section X. Land Use Factors

1. What is the current municipal zoning designation for the site? D-C (Flex Commercial)

   What uses are allowed by the current zoning? (Check boxes, below)

   ☐ Residential ☑ Commercial ☐ Industrial

   If zoning change is imminent, please provide documentation from the appropriate zoning authority.

2. Current Use: ☐ Residential ☐ Commercial ☐ Industrial ☑ Vacant ☐ Recreational (check all that apply)

   Attach a summary of current business operations or uses, with an emphasis on identifying possible contaminant source areas. If operations or uses have ceased, provide the date.

3. Reasonably anticipated use Post Remediation: ☑ Residential ☑ Commercial ☐ Industrial (check all that apply) **Attach a statement detailing the specific proposed use.**

   Please see Section X Attachments

   If residential, does it qualify as single family housing? ☐ Yes ☑ No

4. Do current historical and/or recent development patterns support the proposed use? The Chandler corridor has undergone extensive redevelopment in past 2-3 years.	☑ Yes ☐ No
5. Is the proposed use consistent with applicable zoning laws/maps? Briefly explain below, or attach additional information and documentation if necessary. Pool club construction expected to be associated with other area development, including 27, 37, 155 and 166 Chandler. The pool club would over yearly memberships and daily passes.	☑ Yes ☐ No
6. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, or other adopted land use plans? Briefly explain below, or attach additional information and documentation if necessary. Pool club construction expected to be associated with other area development, including 27, 37, 155 and 166 Chandler. The pool club would over yearly memberships and daily passes.	☑ Yes ☐ No

XI. Statement of Certification and Signatures

(By requestor who is an individual)

If this application is approved, I hereby acknowledge and agree: (1) to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter; (2) to the general terms and conditions set forth in the *DER-32, Brownfield Cleanup Program Applications and Agreements*; and (3) that in the event of a conflict between the general terms and conditions of participation and the terms contained in a site-specific BCA, the terms in the site-specific BCA shall control. Further, I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

Date: _____ Signature: _____

Print Name: _____

(By a requestor other than an individual)

I hereby affirm that I am Sole Member (title) of 140 Chandler Street, LLC (entity); that I am authorized by that entity to make this application and execute the Brownfield Cleanup Agreement (BCA) and all subsequent amendments; that this application was prepared by me or under my supervision and direction. If this application is approved, I acknowledge and agree: (1) to execute a BCA within 60 days of the date of DEC's approval letter; (2) to the general terms and conditions set forth in the *DER-32, Brownfield Cleanup Program Applications and Agreements*; and (3) that in the event of a conflict between the general terms and conditions of participation and the terms contained in a site-specific BCA, the terms in the site-specific BCA shall control. Further, I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date: 08/01/2019 Signature: _____

Print Name: Rocco Termini

SUBMITTAL INFORMATION:

- **Two (2)** copies, one paper copy with original signatures and one electronic copy in Portable Document Format (PDF), must be sent to:
  - Chief, Site Control Section
  - New York State Department of Environmental Conservation
  - Division of Environmental Remediation
  - 625 Broadway
  - Albany, NY 12233-7020

FOR DEC USE ONLY
BCP SITE T&A CODE: _____ **LEAD OFFICE:** _____

Supplemental Questions for Sites Seeking Tangible Property Credits in New York City ONLY. Sufficient information to demonstrate that the site meets one or more of the criteria identified in ECL 27 1407(1-a) must be submitted if requestor is seeking this determination.

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Property is in Bronx, Kings, New York, Queens, or Richmond counties. ☐ Yes ☐ No
Requestor seeks a determination that the site is eligible for the tangible property credit component of the brownfield redevelopment tax credit. ☐ Yes ☐ No
Please answer questions below and provide documentation necessary to support answers.
1. Is at least 50% of the site area located within an environmental zone pursuant to NYS Tax Law 21(b)(6)? Please see DEC's website for more information. ☐ Yes ☐ No
2. Is the property upside down or underutilized as defined below? Upside Down? ☐ Yes ☐ No Underutilized? ☐ Yes ☐ No **From ECL 27-1405(31):** "Upside down" shall mean a property where the projected and incurred cost of the investigation and remediation which is protective for the anticipated use of the property equals or exceeds seventy-five percent of its independent appraised value, as of the date of submission of the application for participation in the brownfield cleanup program, developed under the hypothetical condition that the property is not contaminated. **From 6 NYCRR 375-3.2(l) as of August 12, 2016:** (Please note: Eligibility determination for the underutilized category can only be made at the time of application) 375-3.2: (l) "Underutilized" means, as of the date of application, real property on which no more than fifty percent of the permissible floor area of the building or buildings is certified by the applicant to have been used under the applicable base zoning for at least three years prior to the application, which zoning has been in effect for at least three years; and (1) the proposed use is at least 75 percent for industrial uses; or (2) at which: (i) the proposed use is at least 75 percent for commercial or commercial and industrial uses; (ii) the proposed development could not take place without substantial government assistance, as certified by the municipality in which the site is located; and (iii) one or more of the following conditions exists, as certified by the applicant: (a) property tax payments have been in arrears for at least five years immediately prior to the application; (b) a building is presently condemned, or presently exhibits documented structural deficiencies, as certified by a professional engineer, which present a public health or safety hazard; or (c) there are no structures. "Substantial government assistance" shall mean a substantial loan, grant, land purchase subsidy, land purchase cost exemption or waiver, or tax credit, or some combination thereof, from a governmental entity.

Supplemental Questions for Sites Seeking Tangible Property Credits in New York City (continued)

3. If you are seeking a formal determination as to whether your project is eligible for Tangible Property Tax Credits based in whole or in part on its status as an affordable housing project (defined below), you must attach the regulatory agreement with the appropriate housing agency (typically, these would be with the *New York City Department of Housing, Preservation and Development*; *the New York State Housing Trust Fund Corporation*; the *New York State Department of Housing and Community Renewal*; or the *New York State Housing Finance Agency*, though other entities may be acceptable pending Department review). **Check appropriate box, below**:

☐ Project is an Affordable Housing Project - Regulatory Agreement Attached;

☐ Project is Planned as Affordable Housing, But Agreement is Not Yet Available* (*Checking this box will result in a "pending" status. The Regulatory Agreement will need to be provided to the Department and the Brownfield Cleanup Agreement will need to be amended prior to issuance of the CoC in order for a positive determination to be made.);

☐ This is Not an Affordable Housing Project.

From 6 NYCRR 375- 3.2(a) as of August 12, 2016:

(a) "Affordable housing project" means, for purposes of this part, title fourteen of article twenty seven of the environmental conservation law and section twenty-one of the tax law only, a project that is developed for residential use or mixed residential use that must include affordable residential rental units and/or affordable home ownership units.

(1) Affordable residential rental projects under this subdivision must be subject to a federal, state, or local government housing agency's affordable housing program, or a local government's regulatory agreement or legally binding restriction, which defines (i) a percentage of the residential rental units in the affordable housing project to be dedicated to (ii) tenants at a defined maximum percentage of the area median income based on the occupants' households annual gross income.

(2) Affordable home ownership projects under this subdivision must be subject to a federal, state, or local government housing agency's affordable housing program, or a local government's regulatory agreement or legally binding restriction, which sets affordable units aside for home owners at a defined maximum percentage of the area median income.

(3) "Area median income" means, for purposes of this subdivision, the area median income for the primary metropolitan statistical area, or for the county if located outside a metropolitan statistical area, as determined by the United States department of housing and urban development, or its successor, for a family of four, as adjusted for family size.

BCP Application Summary (for DEC use only)

Site Name: 140 Chandler Street **Site Address:** 140 Chandler Street
City: Buffalo **County:** Erie **Zip:** 14207

Tax Block & Lot
Section (if applicable): 77.84 **Block:** 4 **Lot:** 4

Requestor Name: 140 Chandler Street, LLC **Requestor Address:** 391 Washington Street, Suite 800
City: Buffalo **Zip:** 14203 **Email:** rtermini@wnylofts.com

Requestor's Representative (for billing purposes)
Name: Rocco Termini **Address:** 391 Washington Street
City: Buffalo **Zip:** 14203 **Email:** rtermini@wnylofts.com

Requestor's Attorney
Name: Marc A. Romanowski - Hopkins, Sorgi & Romanowski, PLLC **Address:** 26 Mississippi Street, Suite 400
City: Buffalo **Zip:** 14042 **Email:** mromanowski@hsr-legal.com

Requestor's Consultant
Name: Michele Wittman - Wittman GeoSciences, PLLC **Address:** 3636 N. Buffalo Road
City: Orchard Park **Zip:** 14127 **Email:** michelewittmangeo@gmail.com

Percentage claimed within an En-Zone: ☐ **0%** ☐ **<50%** ☐ **50-99%** ☑ **100%**

DER Determination: ☐ Agree ☐ Disagree

Requestor's Requested Status: ☑ **Volunteer** ☐ **Participant**

DER/OGC Determination: ☐ Agree ☐ Disagree
Notes:

For NYC Sites, is the Requestor Seeking Tangible Property Credits: ☐ Yes ☐ No

Does Requestor Claim Property is Upside Down: ☐ Yes ☐ No
DER/OGC Determination: ☐ Agree ☐ Disagree ☐ Undetermined
Notes:

Does Requestor Claim Property is Underutilized: ☐ Yes ☐ No
DER/OGC Determination: ☐ Agree ☐ Disagree ☐ Undetermined
Notes:

Does Requestor Claim Affordable Housing Status: ☐ Yes ☐ No ☐ Planned, No Contract
DER/OGC Determination: ☐ Agree ☐ Disagree ☐ Undetermined
Notes:

Section I

Requestor Information

140 Chandler Street, LLC – Business Entity Information

140 Chandler Street, LLC is owned by Rocco Termini as sole owner/managing member; with business address at 391 Washington Street, Buffalo, New York 14203.

NYS Department of State

Division of Corporations

Entity Information

The information contained in this database is current through June 21, 2019.

Selected Entity Name: 140 CHANDLER STREET, LLC
Selected Entity Status Information

Current Entity Name:	140 CHANDLER STREET, LLC
DOS ID #:	5430784
Initial DOS Filing Date:	OCTOBER 23, 2018
County:	ERIE
Jurisdiction:	NEW YORK
Entity Type:	DOMESTIC LIMITED LIABILITY COMPANY
Current Entity Status:	ACTIVE

Selected Entity Address Information

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

C/O ROCCO TERMINI
391 WASHINGTON STREET
SUITE 800
BUFFALO, NEW YORK, 14203

Registered Agent

NONE

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

***Stock Information**

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

*Stock information is applicable to domestic business corporations.

Name History

Filing Date	Name Type	Entity Name
OCT 23, 2018	Actual	140 CHANDLER STREET, LLC

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

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

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Section II

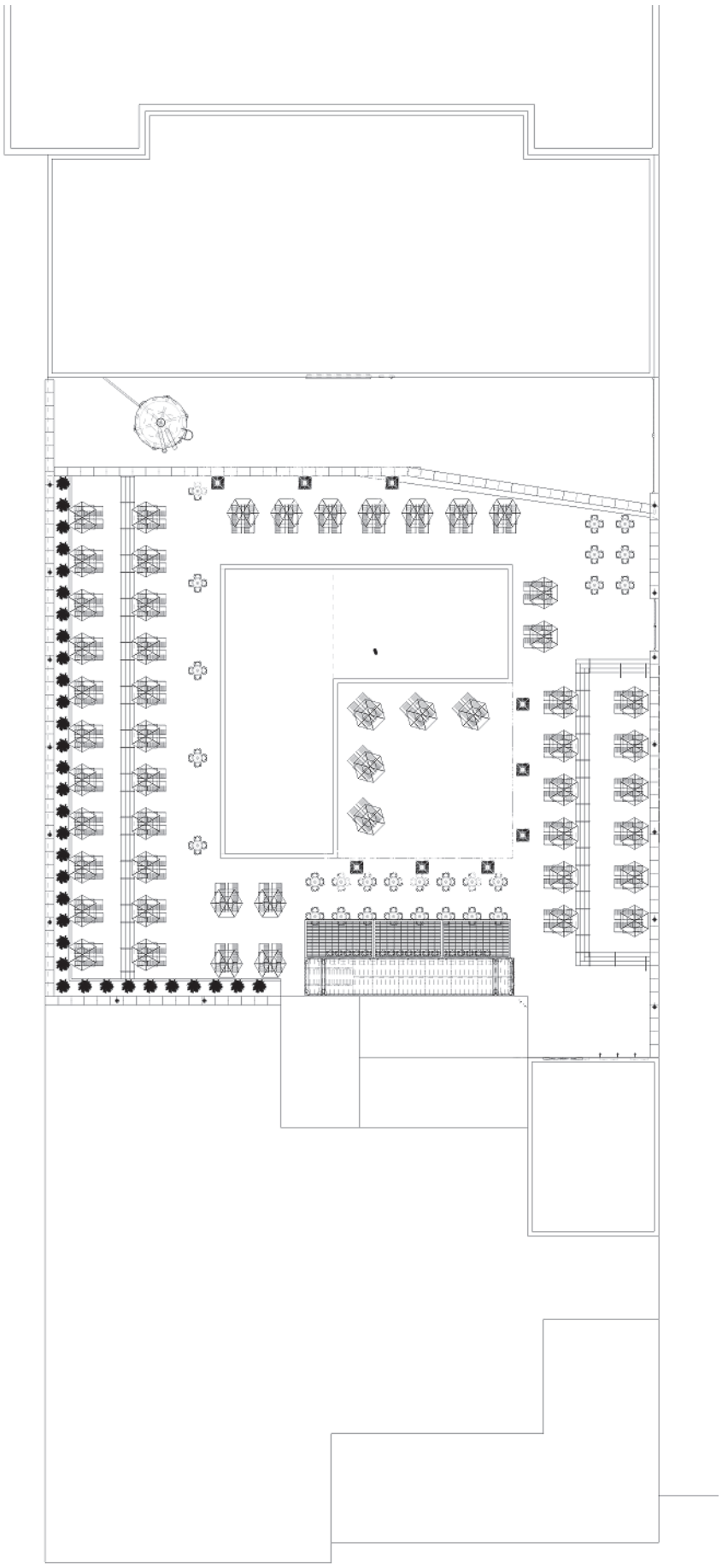
Project Description

Project Description

The site is currently underutilized, underdeveloped property located in the City of Buffalo. The buildings are currently vacant, and includes two buildings. Building 1 is an approximate 2,500 square foot concrete block building. Building 2 includes 3,500 square feet with both a concrete block portion and a transite walled portion. The northern portion of Building 2 was a former compounding building associated with historic oil refining operations. The remaining portions of the site are vacant, unutilized land.

Building 1 and the concrete block portion of Building 2 will be gut-renovated and developed as a support buildings for the proposed site usage as The Chandler Pool Club. The transite, former compounding building, will be demolished as part of site development activities.

Remedial investigation is expected to start in fall/winter 2019 with limited remedial activities in winter 2019 and continuing through spring 2020. Development will occur simultaneously with remedial requirements. The Certificate of Completion is anticipated by December 2020.



THE BUFFALO NEWS

Termini plans swim club on Chandler Street

Rocco Termini is planning the Chandler Pool Club in the midst of the industrial strip in North Buffalo that he is redeveloping. (Courtesy of BMS Design)

By Jonathan D. Epstein (https://buffalonews.com/author/jonathan_d-_epstein/) | *Published April 4, 2019*

Rocco Termini is eager to see his new incubator projects on Chandler Street swimming in happy tenants.

But first, he just wants to see his happy tenants swimming – at least by Memorial Day of next year.

Termini, owner of Signature Development Buffalo, is working with architect Benjamin Siegel on a plan to create a pool club in the midst of the industrial and commercial block that he is redeveloping in North Buffalo.

The Chandler Pool Club would be aimed at the younger clientele that are expected to frequent Tappo Pizza, Thin Man Brewery and the Buffalo Cider Hall in the adjacent buildings, as well as families that live nearby, Siegel said. Located at 140 Chandler, the club would offer both yearly memberships and day passes for anyone who wants to use it, for undetermined fees.

The stand-alone club, whose cost is estimated at $1 million, would be a new and unusual addition to what is otherwise a bleak strip of industrial buildings that Termini is converting into commercial and restaurant space.

"We're trying to create a destination on Chandler Street, and I feel doing something out of the ordinary will help us make this street a destination," Termini said. "It's been done in other cities."

(https://s3.amazonaws.com/bncore/wp-content/uploads/2019/04/View-3.jpg)

A rendering of the proposed Chandler Pool Club in North Buffalo. (Courtesy of BMS Design)

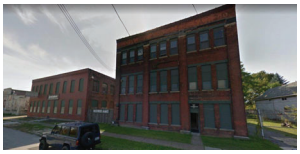
Those previous ventures have resulted in 160,000 square feet of space at 155 and 166 Chandler that now house a mixture of technology firms, offices, breweries, a restaurant and banquet facility, a gym and a salon.

More than 700 people work in or visit those buildings, according to documents submitted to the city Preservation Board as part of a recent request to demolish (https://buffalonews.com/2019/03/22/termini-seeks-to-replace-aging-concrete-warehouse-on-chandler-with-new-parking-lot/) an aging structure at 125 Chandler that will now be a parking lot to service tenants of the larger facilities.

NYSDEC, Termini plan speedy cleanup of Chandler site

By Jonathan D. Epstein: Developer Rocco Termini and state officials are preparing to move forward with an "expedited cleanup of contamination" at one of his Chandler Street properties, prior to starting work on his...

Termini is also working on a third incubator project (https://buffalonews.com/2018/03/15/termini-pursuing-third-biz-incubator-on-chandler/), to transform two old warehouses at 27 and 37 Chandler into a 35,000-square-foot small business hub for about 30 food vendors and related businesses, with links to SUNY Buffalo State and the state's Start-Up NY initiative.



Termini seeks brownfield cleanups for two new Chandler Street properties

By Jonathan D. Epstein: Developer Rocco Termini is pushing forward with his planned conversion of a pair of old industrial buildings at 27 and 37 Chandler St. into yet another business incubator, as he seeks to hav...

Siegel said that Termini had originally proposed a pool as part of the courtyard at 155 Chandler, across the street, but that was nixed by the State Historic Preservation Office and National Park Service, which "wanted to maintain the industrial look." So Termini decided to move the project across the street.

"It's an industrial site and we aren't trying to hide that fact. We are trying to build upon it actually," Siegel said. "We want it to feel like a lush oasis within all this industrial hardness."

The pool would be limited to four or five feet in depth, Siegel said. Seating around the perimeter of the club would be raised 28 inches above the pool "so everyone has a view to the water," he said.

Plans call for use of a shipping container to house a bar, with murals and graffiti decorating the surrounding eight-foot concrete walls and existing buildings nearby. Tappo Pizza would provide the food, and "we hope to have live music most days," Siegel said.

(https://s3.amazonaws.com/bncore/wp-content/uploads/2019/04/View-2.jpg)

A rendering of the proposed Chandler Pool Club in North Buffalo, with the bar and food service in the shipping container. (Courtesy of BMS Design)

Termini and Siegel are working to refine the design and finish construction documents "in the next few months before obtaining building permits and approvals from the Buffalo Sewer Authority and state Health Department. Siegel said they don't expect to need either city Planning Board or Zoning Board of Appeals approvals.

(https://s3.amazonaws.com/bncore/wp-content/uploads/2019/04/View-4.jpg)

The Chandler Pool Club, as seen from the street, with murals and graffiti covering the outer wall. (Courtesy of BMS Design)

They hope to break ground in March 2020 and finish by Memorial Day, in time for the summer swimming season.

(https://s3.amazonaws.com/bncore/wp-content/uploads/2019/04/Chandler-Pool-Club-6.jpg)

This view of the Chandler Pool Club shows the grittiness of the surrounding neighborhood. (Courtesy of BMS Design)

Story topics: Benjamin Siegel (https://buffalonews.com/topic/benjamin-siegel/)/ BMS Design (https://buffalonews.com/topic/bms-design/)/ Chandler Street (https://buffalonews.com/topic/chandler-street/)/ jonathan d. epstein (https://buffalonews.com/topic/jonathan-d-epstein/)/ Rocco Termini (https://buffalonews.com/topic/rocco-termini/)/ Signature Buffalo Development (https://buffalonews.com/topic/signature-buffalo-development/)/ swimming pool (https://buffalonews.com/topic/swimming-pool/)

(*https://buffalonews.com/author/jonathan_d-_epstein/*) **Jonathan D. Epstein** – *Jonathan Epstein is a business reporter at The Buffalo News, where he covers commercial and residential real estate and development. He has worked at The News since 2004.*

(/2019/06/16/frontier-student-killed-in-car-crash-was-driving-to-memorial-fundraising-race/?utm_medium=more_stories)

Frontier student died on his way to volunteer at memorial fundraiser (/2019/06/16/frontier-student-killed-in-car-crash-was-driving-to-memorial-fundraising-race/?utm_medium=more_stories)

(/2019/06/15/meal-surcharge-at-tappo-is-different-approach-to-bolstering-kitchen-pay/?utm_medium=more_stories)

Meal surcharge at Tappo is different approach to bolstering kitchen pay (/2019/06/15/meal-surcharge-at-tappo-is-different-approach-to-bolstering-kitchen-pay/?utm_medium=more_stories)

Know It Now

1. A judge upholds the closing of a Buffalo day care where a toddler was critically injured. (https://buffalonews.com/2019/06/17/judge-upholds-closing-buffalo-day-care-where-child-was-critically-injured/?utm_medium=more_stories) › (https://buffalonews.com/2019/06/17/judge-upholds-closing-buffalo-day-care-where-child-was-critically-injured/?utm_medium=more_stories)

2. The state is investigating the death of a suspect in Lockport police custody. (https://buffalonews.com/2019/06/17/state-probing-death-of-suspect-in-lockport-police-custody/?utm_medium=more_stories) › (https://buffalonews.com/2019/06/17/state-probing-death-of-suspect-in-lockport-police-custody/?utm_medium=more_stories)

3. The State Senate is set to OK driver's licenses for migrants in the country illegally. (https://buffalonews.com/2019/06/17/senate-to-ok-drivers-licenses-for-migrants-in-country-illegally/State Senate to OK driver's licenses for migrants in country illegally?utm_medium=more_stories) › (https://buffalonews.com/2019/06/17/senate-to-ok-drivers-licenses-for-migrants-in-country-illegally/State Senate to OK driver's licenses for migrants in country illegally?utm_medium=more_stories)

4. A judicious appetite: Buffalo favorites give flavor to a Texas tax case. (https://buffalonews.com/2019/06/17/a-judicious-appetite-buffalo-favorites-cited-in-tax-case/?utm_medium=more_stories) › (https://buffalonews.com/2019/06/17/a-judicious-appetite-buffalo-favorites-cited-in-tax-case/?utm_medium=more_stories)

5. This Week in Buffalo: Shakespeare in Delaware Park, free concerts and food trucks from around the world. (https://buffalonews.com/2019/06/17/this-week-in-buffalo-cherish-the-outdoors/?utm_medium=more_stories) › (https://buffalonews.com/2019/06/17/this-week-in-buffalo-cherish-the-outdoors/?utm_medium=more_stories)

(https://buffalonews.com/2019/06/17/gallery11740/?utm_medium=more_stories)
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#EveryDayAPhoto 2019 (https://buffalonews.com/2019/06/17/gallery11740/?utm_medium=more_stories)

(https://buffalonews.com/2019/06/15/gallery12366/?utm_medium=more_stories)
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(https://buffalonews.com/2019/06/15/gallery12366/?utm_medium=more_stories)

Smiles at WYRK Taste of Country at Sahlen Field (https://buffalonews.com/2019/06/15/gallery12366/?utm_medium=more_stories)

Taste of Country turns 20 with Sahlen Field mega-party (/2019/06/15/taste-of-country-turns-20-with-sahlen-field-mega-party/?utm_medium=more_stories)


CHANDLER POOL CLUB

Section III

Property's Environmental History

Figure III-A – Soil Boring Sampling Locations

Figure III-B – Soil Sample Results

Figure III-C – Groundwater Sample Results

Table III-A – Soil Analytical Testing Results

Table III-B – Groundwater Analytical Testing Results

Soil Boring Logs

Analytical Testing Results

KEY

= Soil Boring Location

= Groundwater Sample Location

= Former building location

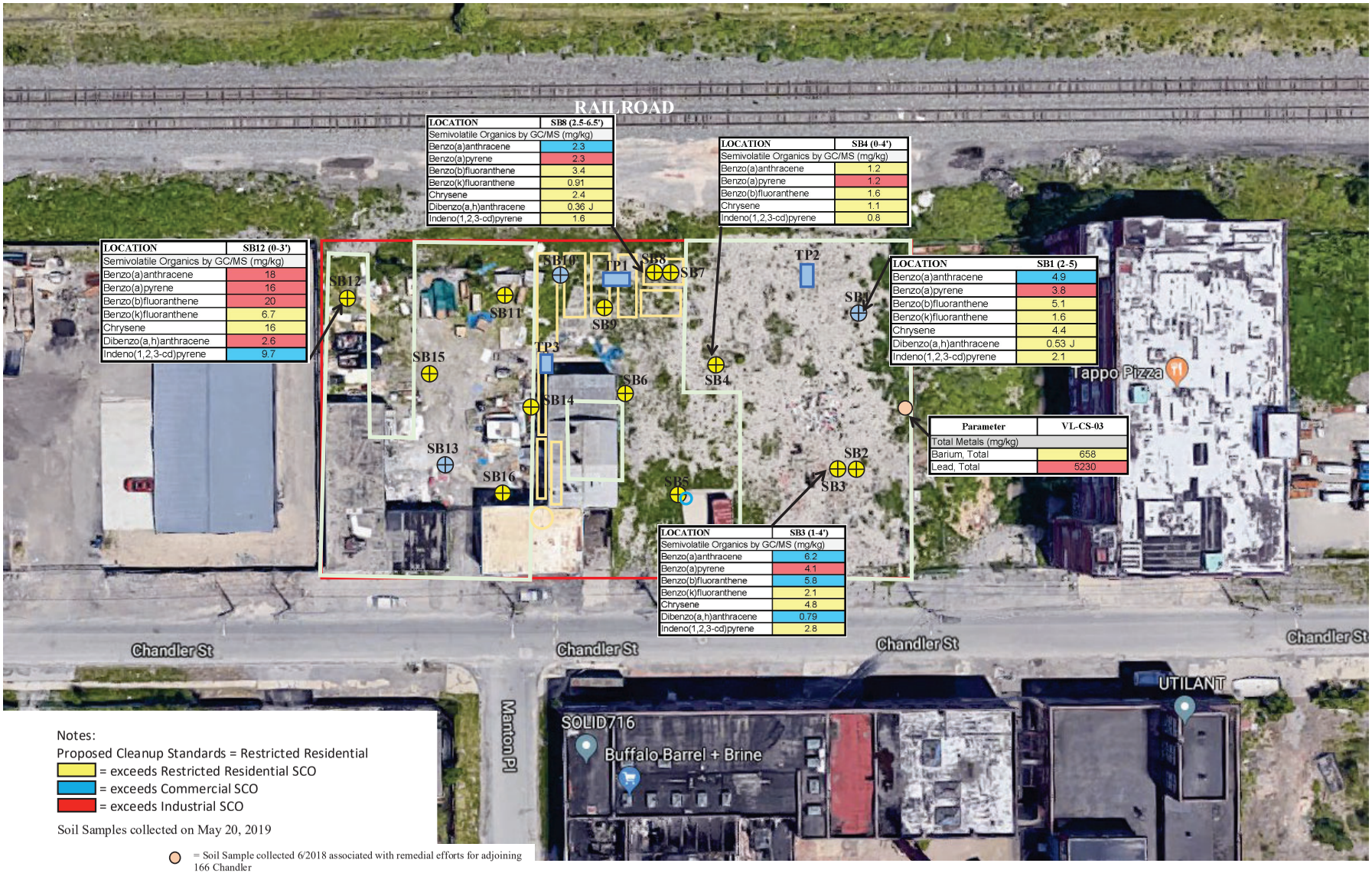
= Test Pit location

= Former tank location

= Former gas tank location

WITTMAN GEOSCIENCES, PLLC	Soil Boring Sampling Locations	DRAWN BY: MMW	SCALE: NTS	PROJECT: 19211
	140 Chandler, Buffalo, NY	CHECKED BY: MMW	DATE: 06/2019	FIGURE NO: III-A

WITTMAN GeoSciences, PLLC



Notes:
Proposed Cleanup Standards = Restricted Residential
= exceeds Restricted Residential SCO
= exceeds Commercial SCO
= exceeds Industrial SCO
Soil Samples collected on May 20, 2019

= Soil Sample collected 6/2018 associated with remedial efforts for adjoining 166 Chandler

= Soil Boring Location
= Groundwater Sample Location
= Former building location
= Test Pit location
= Former tank location
= Former gas tank location

WITTMAN GEOSCIENCES, PLLC	Soil Sample Results exceeding Residential USCO	DRAWN BY: MMW	SCALE: NTS	PROJECT: 19211
	140 Chandler, Buffalo, NY	CHECKED BY: MMW	DATE: 06/2019	FIGURE NO: III-B

Notes:

= exceeds Class GA criteria in TOGS 1.1.1.

Groundwater samples collected May 20, 2019

KEY

= Soil Boring Location

= Groundwater Sample Location

= Former building location

= Test Pit location

= Former tank location

= Former gas tank location

WITTMAN GEOSCIENCES, PLLC	Groundwater Results exceeding Class GA Critier	DRAWN BY: MMW	SCALE: NTS	PROJECT: 19211
	140 Chandler, Buffalo, NY	CHECKED BY: MMW	DATE: 06/2019	FIGURE NO: III-C

Table III-A
Soil Analytical Sample Summary Table
140 Chandler Street, Buffalo, New York

LOCATION	UUSCO	RRUSCO	CUSCO	IUSCO	SB1 (2-5)	SB8 (2.5-6.5')	SB14 (3-4')	TP3 (1-2.5')	SB3 (1-4')	SB4 (0-4')	SB12 (0-3')
SAMPLING DATE					5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019
LAB SAMPLE ID					L1921330-01	L1921330-02	L1921330-03	L1921330-07	L1921330-08	L1921330-09	L1921330-10
Volatile Organics by GC/MS (mg/kg)											
1,1-Dichloroethane	0.27	19	240	480	ND	0.26	ND	0.0012 U	0.21	0.00034 J	NT
Tetrachloroethene	1.3	5.5	150	300	0.015 J	0.086	ND	ND	0.032	0.00027 J	NT
Chlorobenzene	1.1	100	500	1000	ND	0.53	ND	ND	ND	ND	NT
1,1,1-Trichloroethane	0.68	100	500	1000	ND	0.23	ND	ND	0.032	ND	NT
Benzene	0.06	2.9	44	89	0.016 J	0.035	ND	ND	ND	ND	NT
Toluene	0.7	100	500	1000	0.083	0.17	0.5	0.0019	0.063	0.00095 J	NT
Ethylbenzene	1	30	390	780	0.097	0.13	0.031 J	0.00024 J	0.071	0.0012	NT
Trichloroethene	0.47	10	200	400	0.021 J	0.024 J	ND	ND	0.014 J	ND	NT
1,2-Dichlorobenzene	1.1	100	500	1000	0.56	4	ND	ND	3.7	0.014	NT
1,3-Dichlorobenzene	2.4	17	280	560	0.022 J	0.29	ND	ND	0.14	0.00039 J	NT
1,4-Dichlorobenzene	1.8	9.8	130	250	0.05 J	0.74	ND	ND	0.32	0.00074 J	NT
Methyl tert butyl ether	0.93	62	500	1000	ND	0.12 U	0.05 J	ND	ND	ND	NT
p/m-Xylene	0.26	100	500	1000	0.37	0.84	0.11 J	0.00084 J	0.27	0.0053	NT
o-Xylene	0.26	100	500	1000	0.24	0.54	0.12	0.0029	0.14	0.0032	NT
Acetone	0.05	100	500	1000	0.35 J	0.82	ND	0.033	0.59 J	0.088	NT
2-Butanone	0.12	100	500	1000	ND	0.22 J	ND	ND	ND	0.0084 J	NT
n-Butylbenzene	12	100	500	1000	0.41	0.67	0.25	0.003	0.19	0.00082 J	NT
sec-Butylbenzene	11	100	500	1000	0.13	0.26	0.097	0.0023	0.062	0.00063 J	NT
tert-Butylbenzene	5.9	100	500	1000	0.034 J	0.028 J	0.018 J	0.0006 J	0.017 J	0.00016 J	NT
Isopropylbenzene	NV	NV	NV	NV	0.1	0.18	0.021 J	0.00081 J	0.034 J	0.00037 J	NT
p-Isopropyltoluene	NV	NV	NV	NV	0.18	0.11	0.14	0.00025 J	0.095	0.00062 J	NT
Naphthalene	12	100	500	1000	6.7	2.6	0.13 J	ND	2.1	0.012	NT
n-Propylbenzene	3.9	100	500	1000	0.41	0.52	ND	0.0019	0.09	0.00087 J	NT
1,2,4-Trichlorobenzene	NV	NV	NV	NV	ND	0.028 J	ND	ND	ND	ND	NT
1,3,5-Trimethylbenzene	8.4	47	190	380	1.4	0.75	0.14	0.00058 J	0.44	0.0053	NT
1,2,4-Trimethylbenzene	3.6	47	190	380	4	5.2	0.67	0.0045	1	0.013	NT
Methyl Acetate	NV	NV	NV	NV	0.58	0.28	0.069 J	0.012	0.66	0.014	NT
Cyclohexane	NV	NV	NV	NV	0.037 J	0.041 J	ND	ND	ND	ND	NT
Methyl cyclohexane	NV	NV	NV	NV	0.089 J	0.15 J	0.12 J	ND	0.056 J	ND	NT
Semivolatile Organics by GC/MS (mg/kg)											
Acenaphthene	20	100	500	1000	1.5	2.2	NT	ND	1.2	0.3	8.1
Fluoranthene	100	100	500	1000	11	5.2	NT	0.36 J	11	2.5	37
Naphthalene	12	100	500	1000	3.4	2.1	NT	ND	1.4	0.32	4.6
NDPA/DPA	NV	NV	NV	NV	0.28 J	ND	NT	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NV	NV	NV	NV	1.1	ND	NT	2.8	ND	0.42	ND
Benzo(a)anthracene	1	1	5.6	11	4.9	2.3	NT	0.29 J	6.2	1.2	18
Benzo(a)pyrene	1	1	1	1.1	3.8	2.3	NT	ND	4.1	1.2	16
Benzo(b)fluoranthene	1	1	5.6	11	5.1	3.4	NT	0.36 J	5.8	1.6	20
Benzo(k)fluoranthene	0.8	1	56	110	1.6	0.91	NT	ND	2.1	0.54	6.7
Chrysene	1	1	56	110	4.4	2.4	NT	0.31 J	4.8	1.1	16
Acenaphthylene	100	100	500	1000	0.53 J	ND	NT	ND	0.81	0.11 J	0.2 J
Anthracene	100	100	500	1000	3.2	1.8	NT	0.66 U	3.4	0.62	14
Benzo(ghi)perylene	100	100	500	1000	2	1.6	NT	0.18 J	2.4	0.89	9.7
Fluorene	30	100	500	1000	2.8	3.2	NT	ND	2.2	0.43	10
Phenanthrene	100	100	500	1000	14	9.2	NT	0.2 J	12	2.6	45 E

Table III-A
Soil Analytical Sample Summary Table
140 Chandler Street, Buffalo, New York

LOCATION	UUSCO	RRUSCO	CUSCO	IUSCO	SB1 (2-5)	SB8 (2.5-6.5')	SB14 (3-4')	TP3 (1-2.5')	SB3 (1-4')	SB4 (0-4')	SB12 (0-3')
SAMPLING DATE					5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019
LAB SAMPLE ID					L1921330-01	L1921330-02	L1921330-03	L1921330-07	L1921330-08	L1921330-09	L1921330-10
Semivolatile Organics by GC/MS (mg/kg)											
Dibenzo(a,h)anthracene	0.33	0.33	0.56	1.1	0.53 J	0.36 J	NT	ND	0.79	0.18	2.6
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	11	2.1	1.6	NT	0.18 J	2.8	0.8	9.7
Pyrene	100	100	500	1000	8.1	4.5	NT	0.37 J	8.8	2	29
Biphenyl	NV	NV	NV	NV	0.37 J	ND	NT	2.5 U	0.26 J	0.06 J	0.9 J
Dibenzofuran	7	14	350	1000	1.9	1.5	NT	1.1 U	1.4	0.26	6.8
2-Methylnaphthalene	NV	NV	NV	NV	1.6	11	NT	1.3 U	0.84 J	0.19 J	2.8
Phenol	0.33	100	500	1000	ND	ND	NT	ND	ND	0.078 J	ND
3-Methylphenol/4-Methylphenol	0.33	34	500	1000	ND	0.44 J	NT	ND	0.32 J	0.06 J	0.18 J
Carbazole	NV	NV	NV	NV	1.6	0.63 J	NT	ND	1.4	0.31	6.7
Total Metals (mg/kg)											
Aluminum, Total	NV	NV	NV	NV	5460	6830	NT	7690	7050	5190	5650
Antimony, Total	NV	NV	NV	NV	4.09 J	3.54 J	NT	1.14 J	1.59 J	1.11 J	1.04 J
Arsenic, Total	13	16	16	16	3.62	13.7	NT	5.5	4.33	5.47	7.08
Barium, Total	350	350	400	10000	74.8	219	NT	116	71.6	62.5	128
Beryllium, Total	7.2	14	590	2700	0.294 J	0.586	NT	0.39 J	0.403 J	0.33 J	0.494 J
Cadmium, Total	2.5	2.5	9.3	60	0.513 J	1.56	NT	0.78 J	0.867 J	0.537 J	0.673 J
Calcium, Total	NV	NV	NV	NV	96700	30500	NT	134000	50800	120000	61700
Chromium, Total	NV	NV	NV	NV	11.4	20.3	NT	13.9	27.9	44.2	12.6
Cobalt, Total	NV	NV	NV	NV	2.61	8.6	NT	5.45	3.83	2.77	4.45
Copper, Total	50	270	270	10000	29.9	116	NT	56.6	33.7	20.8	57.4
Iron, Total	NV	NV	NV	NV	7620	20900	NT	14800	23400	10400	13100
Lead, Total	63	400	1000	3900	61.3	306	NT	36.8	63	78.2	60.7
Magnesium, Total	NV	NV	NV	NV	22000	7440	NT	13600	6020	14400	13000
Manganese, Total	1600	2000	10000	10000	270	350	NT	449	1710	1040	272
Mercury, Total	0.18	0.81	2.8	5.7	0.312	0.186	NT	0.083 U	0.057 J	0.174	0.177
Nickel, Total	30	140	310	10000	8.31	25	NT	14.9	14.3	9.22	12.8
Potassium, Total	NV	NV	NV	NV	653	998	NT	1060	962	631	698
Selenium, Total	3.9	36	1500	6800	0.56 J	0.986 J	NT	0.612 J	0.272 J	0.568 J	0.663 J
Silver, Total	2	36	1500	6800	ND	ND	NT	ND	ND	ND	ND
Sodium, Total	NV	NV	NV	NV	244	189	NT	153 J	510	240	191 J
Thallium, Total	NV	NV	NV	NV	1.9 U	1.86 U	NT	ND	0.666 J	ND	ND
Vanadium, Total	NV	NV	NV	NV	11.4	21.4	NT	15.6	15.7	24.3	16.8
Zinc, Total	109	2200	10000	10000	116	413	NT	113	122	127	96.9
Polychlorinated Biphenyls by GC (mg/kg)											
Aroclor 1254	0.1	1	1	25	ND	ND	NT	ND	ND	0.118	0.0089 J
PCBs, Total	0.1	1	1	25	ND	ND	NT	ND	ND	0.118	0.0173 J

Notes:

1. Analytical testing performed by Alpha Analytical. Compounds detected in one or more samples are presented in this table. Refer to Appendix for the full analytical report.
2. ug/kg = parts per billion; mg/kg = parts per million.
3. ND = not detected; NT = not tested; NV = no value.
4. Analytical results compared to NYSDEC Part 375-6; Remedial Program Soil Cleanup Objectives, Table 375-(a) Unrestricted Use Soil Cleanup Objective; and Table 375-6.8(b): Restricted Use Soil Cleanup Objectives.
5. Shading indicates:
   - Exceeds NY-UUSCO: New York NYCRR Part 375 New York Unrestricted Use Soil Cleanup Objectives.
   - Exceeds NY-RUSCO: New York NYCRR Part 375 New York Restricted Residential Use Soil Cleanup Objectives.
   - Exceeds NY-CUSCO: New York NYCRR Part 375 Commercial Use Soil Cleanup Objectives.

Table III-A
Soil Analytical Sample Summary Table
140 Chandler Street, Buffalo, New York

LOCATION	UUSCO	RRUSCO	CUSCO	IUSCO	SB1 (2-5)	SB8 (2.5-6.5')	SB14 (3-4')	TP3 (1-2.5')	SB3 (1-4')	SB4 (0-4')	SB12 (0-3')
SAMPLING DATE					5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019
LAB SAMPLE ID					L1921330-01	L1921330-02	L1921330-03	L1921330-07	L1921330-08	L1921330-09	L1921330-10

Exceeds NY-IUSCO: New York NYCRR Part 375 Industrial Use Soil Cleanup Objectives.

Table III-A
Soil Analytical Sample Summary Table
140 Chandler Street, Buffalo, New York

LOCATION	UUSCO	RRUSCO	CUSCO	IUSCO	SB1 (2-5)	SB8 (2.5-6.5')	SB14 (3-4')	TP3 (1-2.5')	SB3 (1-4')	SB4 (0-4')	SB12 (0-3')
SAMPLING DATE					5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019
LAB SAMPLE ID					L1921330-01	L1921330-02	L1921330-03	L1921330-07	L1921330-08	L1921330-09	L1921330-10
Volatile Organics by GC/MS (mg/kg)											
1,1-Dichloroethane	0.27	19	240	480	ND	0.26	ND	0.0012 U	0.21	0.00034 J	NT
Tetrachloroethene	1.3	5.5	150	300	0.015 J	0.086	ND	ND	0.032	0.00027 J	NT
Chlorobenzene	1.1	100	500	1000	ND	0.53	ND	ND	ND	ND	NT
1,1,1-Trichloroethane	0.68	100	500	1000	ND	0.23	ND	ND	0.032	ND	NT
Benzene	0.06	2.9	44	89	0.016 J	0.035	ND	ND	ND	ND	NT
Toluene	0.7	100	500	1000	0.083	0.17	0.5	0.0019	0.063	0.00095 J	NT
Ethylbenzene	1	30	390	780	0.097	0.13	0.031 J	0.00024 J	0.071	0.0012	NT
Trichloroethene	0.47	10	200	400	0.021 J	0.024 J	ND	ND	0.014 J	ND	NT
1,2-Dichlorobenzene	1.1	100	500	1000	0.56	4	ND	ND	3.7	0.014	NT
1,3-Dichlorobenzene	2.4	17	280	560	0.022 J	0.29	ND	ND	0.14	0.00039 J	NT
1,4-Dichlorobenzene	1.8	9.8	130	250	0.05 J	0.74	ND	ND	0.32	0.00074 J	NT
Methyl tert butyl ether	0.93	62	500	1000	ND	0.12 U	0.05 J	ND	ND	ND	NT
p/m-Xylene	0.26	100	500	1000	0.37	0.84	0.11 J	0.00084 J	0.27	0.0053	NT
o-Xylene	0.26	100	500	1000	0.24	0.54	0.12	0.0029	0.14	0.0032	NT
Acetone	0.05	100	500	1000	0.35 J	0.82	ND	0.033	0.59 J	0.088	NT
2-Butanone	0.12	100	500	1000	ND	0.22 J	ND	ND	ND	0.0084 J	NT
n-Butylbenzene	12	100	500	1000	0.41	0.67	0.25	0.003	0.19	0.00082 J	NT
sec-Butylbenzene	11	100	500	1000	0.13	0.26	0.097	0.0023	0.062	0.00063 J	NT
tert-Butylbenzene	5.9	100	500	1000	0.034 J	0.028 J	0.018 J	0.0006 J	0.017 J	0.00016 J	NT
Isopropylbenzene	NV	NV	NV	NV	0.1	0.18	0.021 J	0.00081 J	0.034 J	0.00037 J	NT
p-Isopropyltoluene	NV	NV	NV	NV	0.18	0.11	0.14	0.00025 J	0.095	0.00062 J	NT
Naphthalene	12	100	500	1000	6.7	2.6	0.13 J	ND	2.1	0.012	NT
n-Propylbenzene	3.9	100	500	1000	0.41	0.52	ND	0.0019	0.09	0.00087 J	NT
1,2,4-Trichlorobenzene	NV	NV	NV	NV	ND	0.028 J	ND	ND	ND	ND	NT
1,3,5-Trimethylbenzene	8.4	47	190	380	1.4	0.75	0.14	0.00058 J	0.44	0.0053	NT
1,2,4-Trimethylbenzene	3.6	47	190	380	4	5.2	0.67	0.0045	1	0.013	NT
Methyl Acetate	NV	NV	NV	NV	0.58	0.28	0.069 J	0.012	0.66	0.014	NT
Cyclohexane	NV	NV	NV	NV	0.037 J	0.041 J	ND	ND	ND	ND	NT
Methyl cyclohexane	NV	NV	NV	NV	0.089 J	0.15 J	0.12 J	ND	0.056 J	ND	NT
Semivolatile Organics by GC/MS (mg/kg)											
Acenaphthene	20	100	500	1000	1.5	2.2	NT	ND	1.2	0.3	8.1
Fluoranthene	100	100	500	1000	11	5.2	NT	0.36 J	11	2.5	37
Naphthalene	12	100	500	1000	3.4	2.1	NT	ND	1.4	0.32	4.6
NDPA/DPA	NV	NV	NV	NV	0.28 J	ND	NT	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NV	NV	NV	NV	1.1	ND	NT	2.8	ND	0.42	ND
Benzo(a)anthracene	1	1	5.6	11	4.9	2.3	NT	0.29 J	6.2	1.2	18
Benzo(a)pyrene	1	1	1	1.1	3.8	2.3	NT	ND	4.1	1.2	16
Benzo(b)fluoranthene	1	1	5.6	11	5.1	3.4	NT	0.36 J	5.8	1.6	20
Benzo(k)fluoranthene	0.8	1	56	110	1.6	0.91	NT	ND	2.1	0.54	6.7
Chrysene	1	1	56	110	4.4	2.4	NT	0.31 J	4.8	1.1	16
Acenaphthylene	100	100	500	1000	0.53 J	ND	NT	ND	0.81	0.11 J	0.2 J
Anthracene	100	100	500	1000	3.2	1.8	NT	0.66 U	3.4	0.62	14
Benzo(ghi)perylene	100	100	500	1000	2	1.6	NT	0.18 J	2.4	0.89	9.7
Fluorene	30	100	500	1000	2.8	3.2	NT	ND	2.2	0.43	10
Phenanthrene	100	100	500	1000	14	9.2	NT	0.2 J	12	2.6	45 E

Table III-A
Soil Analytical Sample Summary Table
140 Chandler Street, Buffalo, New York

LOCATION	UUSCO	RRUSCO	CUSCO	IUSCO	SB1 (2-5)	SB8 (2.5-6.5')	SB14 (3-4')	TP3 (1-2.5')	SB3 (1-4')	SB4 (0-4')	SB12 (0-3')
SAMPLING DATE					5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019
LAB SAMPLE ID					L1921330-01	L1921330-02	L1921330-03	L1921330-07	L1921330-08	L1921330-09	L1921330-10
Semivolatile Organics by GC/MS (mg/kg)											
Dibenzo(a,h)anthracene	0.33	0.33	0.56	1.1	0.53 J	0.36 J	NT	ND	0.79	0.18	2.6
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	11	2.1	1.6	NT	0.18 J	2.8	0.8	9.7
Pyrene	100	100	500	1000	8.1	4.5	NT	0.37 J	8.8	2	29
Biphenyl	NV	NV	NV	NV	0.37 J	ND	NT	2.5 U	0.26 J	0.06 J	0.9 J
Dibenzofuran	7	14	350	1000	1.9	1.5	NT	1.1 U	1.4	0.26	6.8
2-Methylnaphthalene	NV	NV	NV	NV	1.6	11	NT	1.3 U	0.84 J	0.19 J	2.8
Phenol	0.33	100	500	1000	ND	ND	NT	ND	ND	0.078 J	ND
3-Methylphenol/4-Methylphenol	0.33	34	500	1000	ND	0.44 J	NT	ND	0.32 J	0.06 J	0.18 J
Carbazole	NV	NV	NV	NV	1.6	0.63 J	NT	ND	1.4	0.31	6.7
Total Metals (mg/kg)											
Aluminum, Total	NV	NV	NV	NV	5460	6830	NT	7690	7050	5190	5650
Antimony, Total	NV	NV	NV	NV	4.09 J	3.54 J	NT	1.14 J	1.59 J	1.11 J	1.04 J
Arsenic, Total	13	16	16	16	3.62	13.7	NT	5.5	4.33	5.47	7.08
Barium, Total	350	350	400	10000	74.8	219	NT	116	71.6	62.5	128
Beryllium, Total	7.2	14	590	2700	0.294 J	0.586	NT	0.39 J	0.403 J	0.33 J	0.494 J
Cadmium, Total	2.5	2.5	9.3	60	0.513 J	1.56	NT	0.78 J	0.867 J	0.537 J	0.673 J
Calcium, Total	NV	NV	NV	NV	96700	30500	NT	134000	50800	120000	61700
Chromium, Total	NV	NV	NV	NV	11.4	20.3	NT	13.9	27.9	44.2	12.6
Cobalt, Total	NV	NV	NV	NV	2.61	8.6	NT	5.45	3.83	2.77	4.45
Copper, Total	50	270	270	10000	29.9	116	NT	56.6	33.7	20.8	57.4
Iron, Total	NV	NV	NV	NV	7620	20900	NT	14800	23400	10400	13100
Lead, Total	63	400	1000	3900	61.3	306	NT	36.8	63	78.2	60.7
Magnesium, Total	NV	NV	NV	NV	22000	7440	NT	13600	6020	14400	13000
Manganese, Total	1600	2000	10000	10000	270	350	NT	449	1710	1040	272
Mercury, Total	0.18	0.81	2.8	5.7	0.312	0.186	NT	0.083 U	0.057 J	0.174	0.177
Nickel, Total	30	140	310	10000	8.31	25	NT	14.9	14.3	9.22	12.8
Potassium, Total	NV	NV	NV	NV	653	998	NT	1060	962	631	698
Selenium, Total	3.9	36	1500	6800	0.56 J	0.986 J	NT	0.612 J	0.272 J	0.568 J	0.663 J
Silver, Total	2	36	1500	6800	ND	ND	NT	ND	ND	ND	ND
Sodium, Total	NV	NV	NV	NV	244	189	NT	153 J	510	240	191 J
Thallium, Total	NV	NV	NV	NV	1.9 U	1.86 U	NT	ND	0.666 J	ND	ND
Vanadium, Total	NV	NV	NV	NV	11.4	21.4	NT	15.6	15.7	24.3	16.8
Zinc, Total	109	2200	10000	10000	116	413	NT	113	122	127	96.9
Polychlorinated Biphenyls by GC (mg/kg)											
Aroclor 1254	0.1	1	1	25	ND	ND	NT	ND	ND	0.118	0.0089 J
PCBs, Total	0.1	1	1	25	ND	ND	NT	ND	ND	0.118	0.0173 J

Notes:

1. Analytical testing performed by Alpha Analytical. Compounds detected in one or more samples are presented in this table. Refer to Appendix for the full analytical report.
2. ug/kg = parts per billion; mg/kg = parts per million.
3. ND = not detected; NT = not tested; NV = no value.
4. Analytical results compared to NYSDEC Part 375-6; Remedial Program Soil Cleanup Objectives, Table 375-(a) Unrestricted Use Soil Cleanup Objective; and Table 375-6.8(b): Restricted Use Soil Cleanup Objectives.
5. Shading indicates:
   - Exceeds NY-UUSCO: New York NYCRR Part 375 New York Unrestricted Use Soil Cleanup Objectives.
   - Exceeds NY-RUSCO: New York NYCRR Part 375 New York Restricted Residential Use Soil Cleanup Objectives.
   - Exceeds NY-CUSCO: New York NYCRR Part 375 Commercial Use Soil Cleanup Objectives.

Table III-A
Soil Analytical Sample Summary Table
140 Chandler Street, Buffalo, New York

LOCATION	UUSCO	RRUSCO	CUSCO	IUSCO	SB1 (2-5)	SB8 (2.5-6.5')	SB14 (3-4')	TP3 (1-2.5')	SB3 (1-4')	SB4 (0-4')	SB12 (0-3')
SAMPLING DATE					5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019	5/20/2019
LAB SAMPLE ID					L1921330-01	L1921330-02	L1921330-03	L1921330-07	L1921330-08	L1921330-09	L1921330-10

Exceeds NY-IUSCO: New York NYCRR Part 375 Industrial Use Soil Cleanup Objectives.

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Boring No: SB1

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	4 feet	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	2.45 feet	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown f/c Sand, some Gravel, little Silt, tr. Brick, tr. Concrete, tr. Cinders, moist (FILL)	
1					ND
				Grades to:… some Silt & Clay	
2					4
				Grades to:… some Brick, odor	
3					22
				Brown Clay & Silt, and Brick, little Gravel, trace f. Sand, moist (FILL)	
4	2	4-8	65		22
				Brown f/c Sand, and Gravel, little Silt, saturated, sheen & odor (FILL)	
5					8
6				Grades to:… Dk. brown, some Clay & Silt, little Wood, stained	8
7					ND
				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	
8	3	8-12	75		ND
9					ND
10					ND
11					ND
12					ND
				Bottom of Boring - 12 feet below grade	
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

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Boring No: SB2

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	3 feet	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown f/c Sand, some Gravel, little Silt (FILL)	
1					0
				Grades to:… some Brick	
2					0
				Brown Clay & Silt, trace f. Sand, trace Gravel, saturated (FILL)	
3					2.5
				Brown f/c Sand, some Gravel, little Wood, trace Cinders, wet	
4					2.5
				Bottom of Boring - 4 feet below grade	
5				Spoon Refusal	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

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Boring No: SB3

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	5 feet	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown f/c Sand, some Gravel, little Silt, trace Concrete, moist (FILL)	
1					1.5
2					1.5
				Dk. brown Clay & Silt, trace f. Sand, trace Gravel (FILL)	
3					13
				Grades to:… stained	
4	2	4-8	75		13
				Brown f/c Sand, some Gravel, little Silt, wet (FILL)	
5					ND
				Grades to:… saturated	
6					ND
				Concrete floor	
7				Dk. brown sub-base Gravel, wet	ND
				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	
8					ND
				Bottom of Boring - 8 feet below grade	
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

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Boring No: SB4

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	NWWD	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	50	Brown f/c Sand, some Gravel, little Silt, trace Concrete, moist (FILL)	
1					ND
2				Brown Clay & Silt, little f/c Sand, little Gravel, moist	5
3				Grades to:… stained	5
4	2	4-8	0		5
5					
6					
7					
8	3	8-12	85	Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	ND
9					ND
10					ND
11					ND
12					ND
13				Bottom of Boring - 12 feet below grade	
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

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Boring No: SB5

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	NWWD	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown f/c Sand, little Gravel, little Silt, moist (FILL)	
1					ND
2				Brown Clay & Silt, trace f. Sand, trace Gravel, moist (FILL)	ND
3					ND
4	2	4-8	75	Grades to:… Dk. brown, trace Glass	ND
5				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel	ND
6					ND
7					ND
8	3	8-12	85		ND
9					ND
10					ND
11					ND
12					ND
13				Bottom of Boring - 12 feet below grade	
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

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Boring No: SB6

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	NWWD	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown f/c Sand, little Concrete, little Gravel, moist (FILL)	
1				Grades to:… little Cinders, trace Concrete	1
2					ND
3					ND
				Brown Clay & Silt, trace f. Sand, trace Gravel, moist (FILL)	
4	2	4-8	85		ND
5				Brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	ND
6					ND
7					ND
8					ND
				Bottom of Boring - 8 feet below grade	
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

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Boring No: SB7

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	NWWD	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	40	Brown f/c Sand, some Gravel, trace Silt, trace Brick, moist (FILL)	
1					0
				Grades to:… some Brick	
2					10
				Brown Clay & Silt, and Brick, little Concrete, little f/c Sand, moist (FILL)	
3					10
				Grades to:… Dk. brown, trace Wood, odor & stained	
4					10
				Bottom of Boring - 4.5 feet below grade	
5				Spoon Refusal	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN GeoSciences, PLLC
3636 N. Buffalo Road
Orchard Park, NY 14127
michelewittmangeo@gmail.com
716-574-1513

Boring No: SB8

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	6.5 feet	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	45	Brown f/c Sand, some Gravel, little Silt, trace Asphalt (FILL)	
1					ND
				Brown Clay & Silt, little f/c Sand, little Gravel, trace Wood, moist (FILL)	
2					5
				Grades to:… little Wood, odor & stained	
3					10
				Grades to:… little Concrete, odor & stained	
4	2	4-8	45		20
				Grades to:… trace Concrete, odor & stained	
5					8
6					4
				Grades to:… wet	
7				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	ND
8					ND
				Bottom of Boring - 8 feet below grade	
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

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Boring No: SB9

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	NWWD	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	75	Brown Clay & Silt, some Gravel, little Concrete, trace f/c Sand, moist (FILL)	
1					ND
				Grades to:… little Gravel, little Brick	
2					ND
				Grades to:… some Brick	
3					ND
				Grades to:… little Brick	
4	2	4-8	85		4
5					4
6				Red/brown CLAY & SILT, trace fc Sand, trace Gravel, moist	ND
7					ND
8					ND
9				Bottom of Boring - 8 feet below grade	
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

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Boring No: SB10

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	5 feet	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	2.7 feet	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Gray crushed Concrete, some Gravel, trace f/c Sand, moist (FILL)	
1				Brown Clay & Silt, trace f. Sand, trace Gravel, moist (FILL)	ND
2					ND
3				Grades to:… trace Cinders	ND
4	2	4-8	85		ND
5				Grades to:… little f. Sand, wet	ND
6				Red/brown CLAY & SILT, trace fc Sand, trace Gravel, moist	ND
7					ND
8					ND
9				Bottom of Boring - 8 feet below grade	
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

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Orchard Park, NY 14127
michelewittmangeo@gmail.com
716-574-1513

Boring No: SB11

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	4.5 feet	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown Clay & Silt, trace f. Sand, trace Gravel, moist (FILL)	
1					ND
				Grades to:… little Gravel, little f/c Sand	
2					ND
3					ND
				Grades to:… some Gravel, some f/c Sand	
4	2	4-8	75	Grades to:… some Concrete	ND
				Grades to:… wet	
5				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	ND
6					ND
7					ND
8					ND
				Bottom of Boring - 8 feet below grade	
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

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716-574-1513

Boring No: SB12

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	NWWD	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown Silt & Clay, some f/c Sand, little Gravel, moist (FILL)	
1					ND
				Grades to:… Dk. brown, some Cinders	
2					ND
3				Grades to:… trace Cinders, trace Wood	ND
4	2	4-8	85		ND
				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	
5					ND
6					ND
7					ND
8					ND
				Bottom of Boring - 8 feet below grade	
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

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716-574-1513

Boring No: SB13

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	4.5 feet	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	0.9 feet	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown f/c Sand, some Silt, little Gravel, moist (FILL)	
1					ND
				Brown Clay & Silt, little f/c Sand, little Gravel, trace Cinders, moist (FILL)	
2					ND
3					ND
				Grades to:… trace f. Sand, trace Gravel	
4	2	4-8	85		ND
5				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, saturated	ND
6					ND
7					ND
8	3	8-12	100		ND
9					ND
10					ND
11					ND
12					ND
				Bottom of Boring - 12 feet below grade	
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

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Boring No: SB14

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	2 feet	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	25	Brown f/c Sand, some Gravel, trace Concrete, trace Silt (FILL)	
1					1
2					1
				Grades to:… some Clay & Silt, wet	
3					10
				Brown Clay & Silt, trace f. Sand, trace Gravel, moist, odor (FILL)	
4	2	4-8	85		40
5				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	ND
6					ND
7					ND
8					ND
				Bottom of Boring - 8 feet below grade	
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

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Boring No: SB15

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	NWWD	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	75	Brown f/c Sand, some Gravel, little Silt, trace Concrete, moist (FILL)	
1					ND
2					ND
3					ND
				Brown Clay & Silt, trace f. Sand, trace Gravel, moist (FILL)	
4	2	4-8	85	Grades to:… wet	ND
5				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	ND
6					ND
7					ND
8					ND
9				Bottom of Boring - 8 feet below grade	
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

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Boring No: SB16

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	NWWD	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown f/c Sand, some Gravel, trace Concrete, trace Silt, moist (FILL)	
1					ND
2					ND
3					ND
				Brown Clay & Silt, little f. Sand, trace Gravel, moist (FILL)	
4	2	4-8	85		ND
5				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	ND
6					ND
7					ND
8					ND
				Bottom of Boring - 8 feet below grade	
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

Test Pit No: TP1

Project Name & Location	140 Chandler, Buffalo, NY			WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211			WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019	End Date	5/20/2019	Contractor	Lazarus Ind.
GW Depth in Excavation	NWAC			Equipment	Excavator

Sample Depth (ft)	Sample No.	Sample Depth (feet)	OVM Reading (ppm)	SAMPLE DESCRIPTION
	1	0-2.5	ND	Gray crushed Concrete, some Gravel, trace f/c Sand, moist (FILL)
1				Brown Clay & Silt, trace f. Sand, trace full Brick, trace Metal pieces (FILL)
			ND	
2				
	2	2.5-5.5	ND	
3				
			ND	
4				
			ND	
5				
			ND	Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist
6				Bottom of Excavation - 5.5 feet below grade
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:	1) Organic vapor meter used to field screen and headspace soil samples 2) ND = non detect on the OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of excavation. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

Test Pit No: TP2

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Contractor	Lazarus Ind.
GW Depth in Excavation	NWAC	Equipment	Excavator

Sample Depth (ft)	Sample No.	Sample Depth (feet)	OVM Reading (ppm)	SAMPLE DESCRIPTION
	1	0-2	4.4	Brown f/c Sand and Gravel, some Cobbles, little Silt, moist
1				
			4.4	
2	2	2-4		Grades to:… wet
			2.2	Grades to:… Dk. brown, saturated
3				
			2.2	
4				
				Bottom of Excavation - 4 feet below grade
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:	1) Organic vapor meter used to field screen and headspace soil samples 2) ND = non detect on the OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of excavation. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

Test Pit No: TP3

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Contractor	Lazarus Ind.
GW Depth in Excavation		Equipment	Excavator

Sample Depth (ft)	Sample No.	Sample Depth (feet)	OVM Reading (ppm)	SAMPLE DESCRIPTION
	1	0-1	ND	Brown Clay & Silt, little f. sand, little Gravel, moist (FILL)
1	2	1-2.5		
			16	Grades to:… Dk. brown, odor & stained
2				
	2	2.5-4	16	
3				Grades to:… Red/brown, no odor & no staining
			ND	
4				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist
				Bottom of Excavation - 4 feet below grade
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:	1) Organic vapor meter used to field screen and headspace soil samples 2) ND = non detect on the OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of excavation. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

ANALYTICAL REPORT

Lab Number:	L1921330
Client:	Hazard Evaluations, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	PH. II ESA
Project Number:	36321
Report Date:	05/30/19

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1921330-01	SB1 (2-5)	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 08:30	05/21/19
L1921330-02	SB8 (2.5-6.5')	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 10:45	05/21/19
L1921330-03	SB14 (3-4')	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 13:25	05/21/19
L1921330-04	SB1	WATER	140 CHANDLER ST., BUFFALO, NY	05/20/19 15:30	05/21/19
L1921330-05	SB10	WATER	140 CHANDLER ST., BUFFALO, NY	05/20/19 15:00	05/21/19
L1921330-06	SB13	WATER	140 CHANDLER ST., BUFFALO, NY	05/20/19 15:45	05/21/19
L1921330-07	TP3 (1-2.5')	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 14:30	05/21/19
L1921330-08	SB3 (1-4')	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 09:20	05/21/19
L1921330-09	SB4 (0-4')	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 09:45	05/21/19
L1921330-10	SB12 (0-3')	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 12:40	05/21/19

Project Name:	PH. II ESA	**Lab Number:**	L1921330
Project Number:	36321	**Report Date:**	05/30/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	PH. II ESA	**Lab Number:**	L1921330
Project Number:	36321	**Report Date:**	05/30/19

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1921330-01, -02, -03, -07, -08, and -09: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Semivolatile Organics

L1921330-01, -02, -07 and -08: The sample has elevated detection limits due to the dilution required by the sample matrix.

Semivolatile Organics by SIM

L1921330-04: The sample has elevated detection limits due to the dilution required by the sample matrix.

PCBs

L1921330-01 and -08: The sample has elevated detection limits due to the dilution required by the sample matrix.

L1921330-07: The internal standard (IS) response for 1-bromo-2-nitrobenzene was above the acceptance criteria; however, the sample was not re-analyzed due to obvious interferences.

L1921330-07: The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (20%) and decachlorobiphenyl (24%) due to interference with the Internal Standard.

Total Metals

L1921330-01, -02, and -07 through -10: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 05/30/19

ORGANICS

VOLATILES

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/19 14:56
Analyst: JC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	340	160	1
1,1-Dichloroethane	ND		ug/kg	68	9.8	1
Chloroform	ND		ug/kg	100	9.5	1
Carbon tetrachloride	ND		ug/kg	68	16.	1
1,2-Dichloropropane	ND		ug/kg	68	8.5	1
Dibromochloromethane	ND		ug/kg	68	9.5	1
1,1,2-Trichloroethane	ND		ug/kg	68	18.	1
Tetrachloroethene	15	J	ug/kg	34	13.	1
Chlorobenzene	ND		ug/kg	34	8.6	1
Trichlorofluoromethane	ND		ug/kg	270	47.	1
1,2-Dichloroethane	ND		ug/kg	68	17.	1
1,1,1-Trichloroethane	ND		ug/kg	34	11.	1
Bromodichloromethane	ND		ug/kg	34	7.4	1
trans-1,3-Dichloropropene	ND		ug/kg	68	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	34	11.	1
Bromoform	ND		ug/kg	270	17.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	34	11.	1
Benzene	16	J	ug/kg	34	11.	1
Toluene	83		ug/kg	68	37.	1
Ethylbenzene	97		ug/kg	68	9.6	1
Chloromethane	ND		ug/kg	270	63.	1
Bromomethane	ND		ug/kg	140	39.	1
Vinyl chloride	ND		ug/kg	68	23.	1
Chloroethane	ND		ug/kg	140	31.	1
1,1-Dichloroethene	ND		ug/kg	68	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.3	1
Trichloroethene	21	J	ug/kg	34	9.3	1
1,2-Dichlorobenzene	560		ug/kg	140	9.8	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	22	J	ug/kg	140	10.	1
1,4-Dichlorobenzene	50	J	ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	370		ug/kg	140	38.	1
o-Xylene	240		ug/kg	68	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	68	12.	1
Styrene	ND		ug/kg	68	13.	1
Dichlorodifluoromethane	ND		ug/kg	680	62.	1
Acetone	350	J	ug/kg	680	330	1
Carbon disulfide	ND		ug/kg	680	310	1
2-Butanone	ND		ug/kg	680	150	1
4-Methyl-2-pentanone	ND		ug/kg	680	87.	1
2-Hexanone	ND		ug/kg	680	80.	1
1,2-Dibromoethane	ND		ug/kg	68	19.	1
n-Butylbenzene	410		ug/kg	68	11.	1
sec-Butylbenzene	130		ug/kg	68	9.9	1
tert-Butylbenzene	34	J	ug/kg	140	8.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	68.	1
Isopropylbenzene	100		ug/kg	68	7.4	1
p-Isopropyltoluene	180		ug/kg	68	7.4	1
Naphthalene	6700		ug/kg	270	44.	1
n-Propylbenzene	410		ug/kg	68	12.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	18.	1
1,3,5-Trimethylbenzene	1400		ug/kg	140	13.	1
1,2,4-Trimethylbenzene	4000		ug/kg	140	23.	1
Methyl Acetate	580		ug/kg	270	64.	1
Cyclohexane	37	J	ug/kg	680	37.	1
Freon-113	ND		ug/kg	270	47.	1
Methyl cyclohexane	89	J	ug/kg	270	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02
Client ID: SB8 (2.5-6.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 10:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/19 15:22
Analyst: JC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	310	140	1
1,1-Dichloroethane	260		ug/kg	62	9.0	1
Chloroform	ND		ug/kg	94	8.7	1
Carbon tetrachloride	ND		ug/kg	62	14.	1
1,2-Dichloropropane	ND		ug/kg	62	7.8	1
Dibromochloromethane	ND		ug/kg	62	8.7	1
1,1,2-Trichloroethane	ND		ug/kg	62	17.	1
Tetrachloroethene	86		ug/kg	31	12.	1
Chlorobenzene	530		ug/kg	31	7.9	1
Trichlorofluoromethane	ND		ug/kg	250	43.	1
1,2-Dichloroethane	ND		ug/kg	62	16.	1
1,1,1-Trichloroethane	230		ug/kg	31	10.	1
Bromodichloromethane	ND		ug/kg	31	6.8	1
trans-1,3-Dichloropropene	ND		ug/kg	62	17.	1
cis-1,3-Dichloropropene	ND		ug/kg	31	9.8	1
Bromoform	ND		ug/kg	250	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	31	10.	1
Benzene	35		ug/kg	31	10.	1
Toluene	170		ug/kg	62	34.	1
Ethylbenzene	130		ug/kg	62	8.8	1
Chloromethane	ND		ug/kg	250	58.	1
Bromomethane	ND		ug/kg	120	36.	1
Vinyl chloride	ND		ug/kg	62	21.	1
Chloroethane	ND		ug/kg	120	28.	1
1,1-Dichloroethene	ND		ug/kg	62	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	94	8.5	1
Trichloroethene	24	J	ug/kg	31	8.5	1
1,2-Dichlorobenzene	4000		ug/kg	120	9.0	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02
Client ID: SB8 (2.5-6.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 10:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	290		ug/kg	120	9.2	1
1,4-Dichlorobenzene	740		ug/kg	120	11.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	840		ug/kg	120	35.	1
o-Xylene	540		ug/kg	62	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	62	11.	1
Styrene	ND		ug/kg	62	12.	1
Dichlorodifluoromethane	ND		ug/kg	620	57.	1
Acetone	820		ug/kg	620	300	1
Carbon disulfide	ND		ug/kg	620	280	1
2-Butanone	220	J	ug/kg	620	140	1
4-Methyl-2-pentanone	ND		ug/kg	620	80.	1
2-Hexanone	ND		ug/kg	620	74.	1
1,2-Dibromoethane	ND		ug/kg	62	17.	1
n-Butylbenzene	670		ug/kg	62	10.	1
sec-Butylbenzene	260		ug/kg	62	9.1	1
tert-Butylbenzene	28	J	ug/kg	120	7.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	190	62.	1
Isopropylbenzene	180		ug/kg	62	6.8	1
p-Isopropyltoluene	110		ug/kg	62	6.8	1
Naphthalene	2600		ug/kg	250	40.	1
n-Propylbenzene	520		ug/kg	62	11.	1
1,2,4-Trichlorobenzene	28	J	ug/kg	120	17.	1
1,3,5-Trimethylbenzene	750		ug/kg	120	12.	1
1,2,4-Trimethylbenzene	5200		ug/kg	120	21.	1
Methyl Acetate	280		ug/kg	250	59.	1
Cyclohexane	41	J	ug/kg	620	34.	1
Freon-113	ND		ug/kg	250	43.	1
Methyl cyclohexane	150	J	ug/kg	250	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	125		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	92		70-130

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-03
Client ID: SB14 (3-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 13:25
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/19 15:48
Analyst: JC
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	340	160	1
1,1-Dichloroethane	ND		ug/kg	68	9.9	1
Chloroform	ND		ug/kg	100	9.5	1
Carbon tetrachloride	ND		ug/kg	68	16.	1
1,2-Dichloropropane	ND		ug/kg	68	8.5	1
Dibromochloromethane	ND		ug/kg	68	9.5	1
1,1,2-Trichloroethane	ND		ug/kg	68	18.	1
Tetrachloroethene	ND		ug/kg	34	13.	1
Chlorobenzene	ND		ug/kg	34	8.6	1
Trichlorofluoromethane	ND		ug/kg	270	47.	1
1,2-Dichloroethane	ND		ug/kg	68	17.	1
1,1,1-Trichloroethane	ND		ug/kg	34	11.	1
Bromodichloromethane	ND		ug/kg	34	7.4	1
trans-1,3-Dichloropropene	ND		ug/kg	68	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	34	11.	1
Bromoform	ND		ug/kg	270	17.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	34	11.	1
Benzene	ND		ug/kg	34	11.	1
Toluene	500		ug/kg	68	37.	1
Ethylbenzene	31	J	ug/kg	68	9.6	1
Chloromethane	ND		ug/kg	270	63.	1
Bromomethane	ND		ug/kg	140	40.	1
Vinyl chloride	ND		ug/kg	68	23.	1
Chloroethane	ND		ug/kg	140	31.	1
1,1-Dichloroethene	ND		ug/kg	68	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.3	1
Trichloroethene	ND		ug/kg	34	9.3	1
1,2-Dichlorobenzene	11	J	ug/kg	140	9.8	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-03
Client ID: SB14 (3-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 13:25
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	140	10.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	50	J	ug/kg	140	14.	1
p/m-Xylene	110	J	ug/kg	140	38.	1
o-Xylene	120		ug/kg	68	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	68	12.	1
Styrene	ND		ug/kg	68	13.	1
Dichlorodifluoromethane	ND		ug/kg	680	62.	1
Acetone	ND		ug/kg	680	330	1
Carbon disulfide	ND		ug/kg	680	310	1
2-Butanone	ND		ug/kg	680	150	1
4-Methyl-2-pentanone	ND		ug/kg	680	87.	1
2-Hexanone	ND		ug/kg	680	80.	1
1,2-Dibromoethane	ND		ug/kg	68	19.	1
n-Butylbenzene	250		ug/kg	68	11.	1
sec-Butylbenzene	97		ug/kg	68	9.9	1
tert-Butylbenzene	18	J	ug/kg	140	8.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	68.	1
Isopropylbenzene	21	J	ug/kg	68	7.4	1
p-Isopropyltoluene	140		ug/kg	68	7.4	1
Naphthalene	130	J	ug/kg	270	44.	1
n-Propylbenzene	ND		ug/kg	68	12.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	18.	1
1,3,5-Trimethylbenzene	140		ug/kg	140	13.	1
1,2,4-Trimethylbenzene	670		ug/kg	140	23.	1
Methyl Acetate	69	J	ug/kg	270	65.	1
Cyclohexane	ND		ug/kg	680	37.	1
Freon-113	ND		ug/kg	270	47.	1
Methyl cyclohexane	120	J	ug/kg	270	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	91		70-130

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-04
Client ID: SB1
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/25/19 09:34
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	0.92	J	ug/l	2.5	0.70	1
1,1-Dichloroethane	0.89	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.64		ug/l	0.50	0.16	1
Toluene	1.2	J	ug/l	2.5	0.70	1
Ethylbenzene	0.89	J	ug/l	2.5	0.70	1
Chloromethane	2.1	J	ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.36	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	3.8		ug/l	2.5	0.70	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-04
Client ID: SB1
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	3.5		ug/l	2.5	0.70	1
o-Xylene	2.9		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	170		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	5.6		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	1.1	J	ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	0.80	J	ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	0.78	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	0.73	J	ug/l	2.5	0.70	1
Naphthalene	27		ug/l	2.5	0.70	1
n-Propylbenzene	2.0	J	ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	9.8		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	22		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.45	J	ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	91		70-130

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-05
Client ID: SB10
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:00
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/25/19 10:02
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-05
Client ID: SB10
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:00
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	2.6		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.29	J	ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	92		70-130

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-06
Client ID: SB13
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/25/19 10:31
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	2.5		ug/l	0.50	0.16	1
Toluene	5.0		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-06
Client ID: SB13
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	7.7		ug/l	2.5	0.70	1
p/m-Xylene	1.6	J	ug/l	2.5	0.70	1
o-Xylene	1.1	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.87	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	0.86	J	ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	1.1	J	ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	1.1	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	93		70-130

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/19 11:53
Analyst: JC
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	1.9		ug/kg	1.2	0.65	1
Ethylbenzene	0.24	J	ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	0.84	J	ug/kg	2.4	0.67	1
o-Xylene	2.9		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	33		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
n-Butylbenzene	3.0		ug/kg	1.2	0.20	1
sec-Butylbenzene	2.3		ug/kg	1.2	0.17	1
tert-Butylbenzene	0.60	J	ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	0.81	J	ug/kg	1.2	0.13	1
p-Isopropyltoluene	0.25	J	ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
n-Propylbenzene	1.9		ug/kg	1.2	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	0.58	J	ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	4.5		ug/kg	2.4	0.40	1
Methyl Acetate	12		ug/kg	4.8	1.1	1
Cyclohexane	ND		ug/kg	12	0.65	1
Freon-113	ND		ug/kg	4.8	0.83	1
Methyl cyclohexane	ND		ug/kg	4.8	0.72	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	101		70-130

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08
Client ID: SB3 (1-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 09:20
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/19 16:14
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	300	140	1
1,1-Dichloroethane	210		ug/kg	60	8.6	1
Chloroform	ND		ug/kg	89	8.3	1
Carbon tetrachloride	ND		ug/kg	60	14.	1
1,2-Dichloropropane	ND		ug/kg	60	7.4	1
Dibromochloromethane	ND		ug/kg	60	8.3	1
1,1,2-Trichloroethane	ND		ug/kg	60	16.	1
Tetrachloroethene	32		ug/kg	30	12.	1
Chlorobenzene	ND		ug/kg	30	7.6	1
Trichlorofluoromethane	ND		ug/kg	240	41.	1
1,2-Dichloroethane	ND		ug/kg	60	15.	1
1,1,1-Trichloroethane	32		ug/kg	30	9.9	1
Bromodichloromethane	ND		ug/kg	30	6.5	1
trans-1,3-Dichloropropene	ND		ug/kg	60	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	30	9.4	1
Bromoform	ND		ug/kg	240	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	30	9.9	1
Benzene	ND		ug/kg	30	9.9	1
Toluene	63		ug/kg	60	32.	1
Ethylbenzene	71		ug/kg	60	8.4	1
Chloromethane	ND		ug/kg	240	56.	1
Bromomethane	ND		ug/kg	120	35.	1
Vinyl chloride	ND		ug/kg	60	20.	1
Chloroethane	ND		ug/kg	120	27.	1
1,1-Dichloroethene	ND		ug/kg	60	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	89	8.2	1
Trichloroethene	14	J	ug/kg	30	8.2	1
1,2-Dichlorobenzene	3700		ug/kg	120	8.6	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08
Client ID: SB3 (1-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 09:20
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	140		ug/kg	120	8.8	1
1,4-Dichlorobenzene	320		ug/kg	120	10.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	270		ug/kg	120	33.	1
o-Xylene	140		ug/kg	60	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	60	10.	1
Styrene	ND		ug/kg	60	12.	1
Dichlorodifluoromethane	ND		ug/kg	600	54.	1
Acetone	590	J	ug/kg	600	290	1
Carbon disulfide	ND		ug/kg	600	270	1
2-Butanone	ND		ug/kg	600	130	1
4-Methyl-2-pentanone	ND		ug/kg	600	76.	1
2-Hexanone	ND		ug/kg	600	70.	1
1,2-Dibromoethane	ND		ug/kg	60	17.	1
n-Butylbenzene	190		ug/kg	60	9.9	1
sec-Butylbenzene	62		ug/kg	60	8.7	1
tert-Butylbenzene	17	J	ug/kg	120	7.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	59.	1
Isopropylbenzene	34	J	ug/kg	60	6.5	1
p-Isopropyltoluene	95		ug/kg	60	6.5	1
Naphthalene	2100		ug/kg	240	39.	1
n-Propylbenzene	90		ug/kg	60	10.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
1,3,5-Trimethylbenzene	440		ug/kg	120	11.	1
1,2,4-Trimethylbenzene	1000		ug/kg	120	20.	1
Methyl Acetate	660		ug/kg	240	56.	1
Cyclohexane	ND		ug/kg	600	32.	1
Freon-113	ND		ug/kg	240	41.	1
Methyl cyclohexane	56	J	ug/kg	240	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	119		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09
Client ID: SB4 (0-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 09:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/28/19 09:01
Analyst: MV
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	0.34	J	ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	0.27	J	ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	0.95	J	ug/kg	1.2	0.66	1
Ethylbenzene	1.2		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	14		ug/kg	2.4	0.17	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09
Client ID: SB4 (0-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 09:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	0.39	J	ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	0.74	J	ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	5.3		ug/kg	2.4	0.68	1
o-Xylene	3.2		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	88		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	8.4	J	ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.4	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
n-Butylbenzene	0.82	J	ug/kg	1.2	0.20	1
sec-Butylbenzene	0.63	J	ug/kg	1.2	0.18	1
tert-Butylbenzene	0.16	J	ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	0.37	J	ug/kg	1.2	0.13	1
p-Isopropyltoluene	0.62	J	ug/kg	1.2	0.13	1
Naphthalene	12		ug/kg	4.9	0.79	1
n-Propylbenzene	0.87	J	ug/kg	1.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	5.3		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	13		ug/kg	2.4	0.40	1
Methyl Acetate	14		ug/kg	4.9	1.2	1
Cyclohexane	ND		ug/kg	12	0.66	1
Freon-113	ND		ug/kg	4.9	0.84	1
Methyl cyclohexane	ND		ug/kg	4.9	0.73	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	124		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	95		70-130

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 07:40
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1241541-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 07:40
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1241541-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 07:40
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1241541-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	93		70-130

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 08:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1241674-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 08:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1241674-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.22	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 08:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1241674-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	93		70-130

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 08:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03,08 Batch: WG1241675-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 08:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03,08 Batch: WG1241675-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	11	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
1,2-Dibromoethane	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 08:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03,08 Batch: WG1241675-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	93		70-130

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/19 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1241791-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/19 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1241791-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.21	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/19 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1241791-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1241541-3 WG1241541-4								
Methylene chloride	95		97		70-130	2		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	93		94		63-132	1		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	90		94		63-130	4		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	91		92		70-130	1		20
Chlorobenzene	99		100		75-130	1		20
Trichlorofluoromethane	92		92		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	96		98		67-130	2		20
Bromodichloromethane	97		99		67-130	2		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	84		89		54-136	6		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	93		92		64-130	1		20
Bromomethane	40		40		39-139	0		20
Vinyl chloride	95		95		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1241541-3 WG1241541-4								
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	90		91		61-145	1		20
trans-1,2-Dichloroethene	94		95		70-130	1		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	96		100		70-130	4		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	95		98		70-130	3		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	77		77		36-147	0		20
Acetone	100		100		58-148	0		20
Carbon disulfide	95		96		51-130	1		20
2-Butanone	100		120		63-138	18		20
4-Methyl-2-pentanone	100		110		59-130	10		20
2-Hexanone	120		120		57-130	0		20
1,2-Dibromoethane	94		99		70-130	5		20
n-Butylbenzene	120		120		53-136	0		20
sec-Butylbenzene	110		120		70-130	9		20
tert-Butylbenzene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	72		78		41-144	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1241541-3 WG1241541-4								
Isopropylbenzene	110		120		70-130	9		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	82		89		70-130	8		20
n-Propylbenzene	120		120		69-130	0		20
1,2,4-Trichlorobenzene	87		92		70-130	6		20
1,3,5-Trimethylbenzene	110		120		64-130	9		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
Methyl Acetate	110		120		70-130	9		20
Cyclohexane	110		110		70-130	0		20
Freon-113	93		93		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		113		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	105		105		70-130
Dibromofluoromethane	94		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1241674-3 WG1241674-4								
Methylene chloride	104		104		70-130	0		30
1,1-Dichloroethane	108		108		70-130	0		30
Chloroform	102		102		70-130	0		30
Carbon tetrachloride	98		95		70-130	3		30
1,2-Dichloropropane	102		107		70-130	5		30
Dibromochloromethane	108		112		70-130	4		30
1,1,2-Trichloroethane	115		123		70-130	7		30
Tetrachloroethene	106		111		70-130	5		30
Chlorobenzene	104		104		70-130	0		30
Trichlorofluoromethane	87		88		70-139	1		30
1,2-Dichloroethane	104		104		70-130	0		30
1,1,1-Trichloroethane	100		99		70-130	1		30
Bromodichloromethane	97		102		70-130	5		30
trans-1,3-Dichloropropene	117		124		70-130	6		30
cis-1,3-Dichloropropene	99		106		70-130	7		30
Bromoform	99		110		70-130	11		30
1,1,2,2-Tetrachloroethane	108		114		70-130	5		30
Benzene	104		104		70-130	0		30
Toluene	110		113		70-130	3		30
Ethylbenzene	104		104		70-130	0		30
Chloromethane	94		90		52-130	4		30
Bromomethane	112		108		57-147	4		30
Vinyl chloride	94		88		67-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1241674-3 WG1241674-4								
Chloroethane	101		98		50-151	3		30
1,1-Dichloroethene	96		94		65-135	2		30
trans-1,2-Dichloroethene	100		100		70-130	0		30
Trichloroethene	98		98		70-130	0		30
1,2-Dichlorobenzene	104		102		70-130	2		30
1,3-Dichlorobenzene	107		110		70-130	3		30
1,4-Dichlorobenzene	108		106		70-130	2		30
Methyl tert butyl ether	102		100		66-130	2		30
p/m-Xylene	108		105		70-130	3		30
o-Xylene	104		116		70-130	11		30
cis-1,2-Dichloroethene	100		100		70-130	0		30
Styrene	107		119		70-130	11		30
Dichlorodifluoromethane	81		80		30-146	1		30
Acetone	128		116		54-140	10		30
Carbon disulfide	94		92		59-130	2		30
2-Butanone	101		98		70-130	3		30
4-Methyl-2-pentanone	116		118		70-130	2		30
2-Hexanone	98		93		70-130	5		30
1,2-Dibromoethane	112		116		70-130	4		30
n-Butylbenzene	108		109		70-130	1		30
sec-Butylbenzene	102		114		70-130	11		30
tert-Butylbenzene	95		111		70-130	16		30
1,2-Dibromo-3-chloropropane	91		97		68-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1241674-3 WG1241674-4								
Isopropylbenzene	102		111		70-130	8		30
p-Isopropyltoluene	106		105		70-130	1		30
Naphthalene	99		103		70-130	4		30
n-Propylbenzene	109		116		70-130	6		30
1,2,4-Trichlorobenzene	105		110		70-130	5		30
1,3,5-Trimethylbenzene	106		114		70-130	7		30
1,2,4-Trimethylbenzene	107		116		70-130	8		30
Methyl Acetate	115		110		51-146	4		30
Cyclohexane	102		100		59-142	2		30
Freon-113	95		94		50-139	1		30
Methyl cyclohexane	95		95		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	108		112		70-130
4-Bromofluorobenzene	99		108		70-130
Dibromofluoromethane	95		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03,08 Batch: WG1241675-3 WG1241675-4								
Methylene chloride	104		104		70-130	0		30
1,1-Dichloroethane	108		108		70-130	0		30
Chloroform	102		102		70-130	0		30
Carbon tetrachloride	98		95		70-130	3		30
1,2-Dichloropropane	102		107		70-130	5		30
Dibromochloromethane	108		112		70-130	4		30
1,1,2-Trichloroethane	115		123		70-130	7		30
Tetrachloroethene	106		111		70-130	5		30
Chlorobenzene	104		104		70-130	0		30
Trichlorofluoromethane	87		88		70-139	1		30
1,2-Dichloroethane	104		104		70-130	0		30
1,1,1-Trichloroethane	100		99		70-130	1		30
Bromodichloromethane	97		102		70-130	5		30
trans-1,3-Dichloropropene	117		124		70-130	6		30
cis-1,3-Dichloropropene	99		106		70-130	7		30
Bromoform	99		110		70-130	11		30
1,1,2,2-Tetrachloroethane	108		114		70-130	5		30
Benzene	104		104		70-130	0		30
Toluene	110		113		70-130	3		30
Ethylbenzene	104		104		70-130	0		30
Chloromethane	94		90		52-130	4		30
Bromomethane	112		108		57-147	4		30
Vinyl chloride	94		88		67-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03,08 Batch: WG1241675-3 WG1241675-4								
Chloroethane	101		98		50-151	3		30
1,1-Dichloroethene	96		94		65-135	2		30
trans-1,2-Dichloroethene	100		100		70-130	0		30
Trichloroethene	98		98		70-130	0		30
1,2-Dichlorobenzene	104		102		70-130	2		30
1,3-Dichlorobenzene	107		110		70-130	3		30
1,4-Dichlorobenzene	108		106		70-130	2		30
Methyl tert butyl ether	102		100		66-130	2		30
p/m-Xylene	108		105		70-130	3		30
o-Xylene	104		116		70-130	11		30
cis-1,2-Dichloroethene	100		100		70-130	0		30
Styrene	107		119		70-130	11		30
Dichlorodifluoromethane	81		80		30-146	1		30
Acetone	128		116		54-140	10		30
Carbon disulfide	94		92		59-130	2		30
2-Butanone	101		98		70-130	3		30
4-Methyl-2-pentanone	116		118		70-130	2		30
2-Hexanone	98		93		70-130	5		30
1,2-Dibromoethane	112		116		70-130	4		30
n-Butylbenzene	108		109		70-130	1		30
sec-Butylbenzene	102		114		70-130	11		30
tert-Butylbenzene	95		111		70-130	16		30
1,2-Dibromo-3-chloropropane	91		97		68-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03,08 Batch: WG1241675-3 WG1241675-4								
Isopropylbenzene	102		111		70-130	8		30
p-Isopropyltoluene	106		105		70-130	1		30
Naphthalene	99		103		70-130	4		30
n-Propylbenzene	109		116		70-130	6		30
1,2,4-Trichlorobenzene	105		110		70-130	5		30
1,3,5-Trimethylbenzene	106		114		70-130	7		30
1,2,4-Trimethylbenzene	107		116		70-130	8		30
Methyl Acetate	115		110		51-146	4		30
Cyclohexane	102		100		59-142	2		30
Freon-113	95		94		50-139	1		30
Methyl cyclohexane	95		95		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	108		112		70-130
4-Bromofluorobenzene	99		108		70-130
Dibromofluoromethane	95		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1241791-3 WG1241791-4								
Methylene chloride	104		97		70-130	7		30
1,1-Dichloroethane	110		102		70-130	8		30
Chloroform	108		99		70-130	9		30
Carbon tetrachloride	110		100		70-130	10		30
1,2-Dichloropropane	99		102		70-130	3		30
Dibromochloromethane	99		99		70-130	0		30
1,1,2-Trichloroethane	104		104		70-130	0		30
Tetrachloroethene	102		99		70-130	3		30
Chlorobenzene	102		101		70-130	1		30
Trichlorofluoromethane	90		85		70-139	6		30
1,2-Dichloroethane	103		102		70-130	1		30
1,1,1-Trichloroethane	110		100		70-130	10		30
Bromodichloromethane	95		99		70-130	4		30
trans-1,3-Dichloropropene	107		107		70-130	0		30
cis-1,3-Dichloropropene	101		105		70-130	4		30
Bromoform	113		117		70-130	3		30
1,1,2,2-Tetrachloroethane	114		94		70-130	19		30
Benzene	109		101		70-130	8		30
Toluene	97		100		70-130	3		30
Ethylbenzene	104		102		70-130	2		30
Chloromethane	70		69		52-130	1		30
Bromomethane	106		97		57-147	9		30
Vinyl chloride	83		78		67-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1241791-3 WG1241791-4								
Chloroethane	96		87		50-151	10		30
1,1-Dichloroethene	104		92		65-135	12		30
trans-1,2-Dichloroethene	107		99		70-130	8		30
Trichloroethene	98		97		70-130	1		30
1,2-Dichlorobenzene	98		101		70-130	3		30
1,3-Dichlorobenzene	105		102		70-130	3		30
1,4-Dichlorobenzene	100		100		70-130	0		30
Methyl tert butyl ether	106		100		66-130	6		30
p/m-Xylene	104		102		70-130	2		30
o-Xylene	104		102		70-130	2		30
cis-1,2-Dichloroethene	107		99		70-130	8		30
Styrene	105		103		70-130	2		30
Dichlorodifluoromethane	53		50		30-146	6		30
Acetone	122		109		54-140	11		30
Carbon disulfide	93		85		59-130	9		30
2-Butanone	97		90		70-130	7		30
4-Methyl-2-pentanone	101		100		70-130	1		30
2-Hexanone	93		87		70-130	7		30
1,2-Dibromoethane	101		102		70-130	1		30
n-Butylbenzene	106		106		70-130	0		30
sec-Butylbenzene	108		103		70-130	5		30
tert-Butylbenzene	114		101		70-130	12		30
1,2-Dibromo-3-chloropropane	88		91		68-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1241791-3 WG1241791-4								
Isopropylbenzene	121		121		70-130	0		30
p-Isopropyltoluene	106		101		70-130	5		30
Naphthalene	91		118		70-130	26		30
n-Propylbenzene	122		98		70-130	22		30
1,2,4-Trichlorobenzene	104		120		70-130	14		30
1,3,5-Trimethylbenzene	122		100		70-130	20		30
1,2,4-Trimethylbenzene	111		103		70-130	7		30
Methyl Acetate	107		102		51-146	5		30
Cyclohexane	110		101		59-142	9		30
Freon-113	105		96		50-139	9		30
Methyl cyclohexane	101		98		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		101		70-130
Toluene-d8	96		103		70-130
4-Bromofluorobenzene	118		105		70-130
Dibromofluoromethane	102		96		70-130

SEMIVOLATILES

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01 D
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/30/19 11:54
Analyst: JG
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/29/19 12:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1500		ug/kg	800	100	5
Hexachlorobenzene	ND		ug/kg	600	110	5
Bis(2-chloroethyl)ether	ND		ug/kg	900	130	5
2-Chloronaphthalene	ND		ug/kg	1000	99.	5
3,3'-Dichlorobenzidine	ND		ug/kg	1000	260	5
2,4-Dinitrotoluene	ND		ug/kg	1000	200	5
2,6-Dinitrotoluene	ND		ug/kg	1000	170	5
Fluoranthene	11000		ug/kg	600	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1000	110	5
4-Bromophenyl phenyl ether	ND		ug/kg	1000	150	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1200	170	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1100	100	5
Hexachlorobutadiene	ND		ug/kg	1000	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2800	900	5
Hexachloroethane	ND		ug/kg	800	160	5
Isophorone	ND		ug/kg	900	130	5
Naphthalene	3400		ug/kg	1000	120	5
Nitrobenzene	ND		ug/kg	900	150	5
NDPA/DPA	280	J	ug/kg	800	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1000	150	5
Bis(2-ethylhexyl)phthalate	1100		ug/kg	1000	340	5
Butyl benzyl phthalate	ND		ug/kg	1000	250	5
Di-n-butylphthalate	ND		ug/kg	1000	190	5
Di-n-octylphthalate	ND		ug/kg	1000	340	5
Diethyl phthalate	ND		ug/kg	1000	92.	5
Dimethyl phthalate	ND		ug/kg	1000	210	5
Benzo(a)anthracene	4900		ug/kg	600	110	5
Benzo(a)pyrene	3800		ug/kg	800	240	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01 D Date Collected: 05/20/19 08:30

Client ID: SB1 (2-5) Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	5100		ug/kg	600	170	5
Benzo(k)fluoranthene	1600		ug/kg	600	160	5
Chrysene	4400		ug/kg	600	100	5
Acenaphthylene	530	J	ug/kg	800	150	5
Anthracene	3200		ug/kg	600	190	5
Benzo(ghi)perylene	2000		ug/kg	800	120	5
Fluorene	2800		ug/kg	1000	97.	5
Phenanthrene	14000		ug/kg	600	120	5
Dibenzo(a,h)anthracene	530	J	ug/kg	600	120	5
Indeno(1,2,3-cd)pyrene	2100		ug/kg	800	140	5
Pyrene	8100		ug/kg	600	99.	5
Biphenyl	370	J	ug/kg	2300	230	5
4-Chloroaniline	ND		ug/kg	1000	180	5
2-Nitroaniline	ND		ug/kg	1000	190	5
3-Nitroaniline	ND		ug/kg	1000	190	5
4-Nitroaniline	ND		ug/kg	1000	410	5
Dibenzofuran	1900		ug/kg	1000	94.	5
2-Methylnaphthalene	1600		ug/kg	1200	120	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1000	100	5
Acetophenone	ND		ug/kg	1000	120	5
2,4,6-Trichlorophenol	ND		ug/kg	600	190	5
p-Chloro-m-cresol	ND		ug/kg	1000	150	5
2-Chlorophenol	ND		ug/kg	1000	120	5
2,4-Dichlorophenol	ND		ug/kg	900	160	5
2,4-Dimethylphenol	ND		ug/kg	1000	330	5
2-Nitrophenol	ND		ug/kg	2100	370	5
4-Nitrophenol	ND		ug/kg	1400	410	5
2,4-Dinitrophenol	ND		ug/kg	4800	460	5
4,6-Dinitro-o-cresol	ND		ug/kg	2600	480	5
Pentachlorophenol	ND		ug/kg	800	220	5
Phenol	ND		ug/kg	1000	150	5
2-Methylphenol	ND		ug/kg	1000	150	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	160	5
2,4,5-Trichlorophenol	ND		ug/kg	1000	190	5
Carbazole	1600		ug/kg	1000	97.	5
Atrazine	ND		ug/kg	800	350	5
Benzaldehyde	ND		ug/kg	1300	270	5

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01 D
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	1000	300	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1000	200	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**17**	Q	25-120
Phenol-d6	38		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	14		10-136
4-Terphenyl-d14	71		18-120

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02 D
Client ID: SB8 (2.5-6.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 10:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/24/19 22:49
Analyst: RC
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2200		ug/kg	780	100	5
Hexachlorobenzene	ND		ug/kg	580	110	5
Bis(2-chloroethyl)ether	ND		ug/kg	880	130	5
2-Chloronaphthalene	ND		ug/kg	980	97.	5
3,3'-Dichlorobenzidine	ND		ug/kg	980	260	5
2,4-Dinitrotoluene	ND		ug/kg	980	200	5
2,6-Dinitrotoluene	ND		ug/kg	980	170	5
Fluoranthene	5200		ug/kg	580	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	980	100	5
4-Bromophenyl phenyl ether	ND		ug/kg	980	150	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1200	170	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	98.	5
Hexachlorobutadiene	ND		ug/kg	980	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2800	880	5
Hexachloroethane	ND		ug/kg	780	160	5
Isophorone	ND		ug/kg	880	130	5
Naphthalene	2100		ug/kg	980	120	5
Nitrobenzene	ND		ug/kg	880	140	5
NDPA/DPA	ND		ug/kg	780	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	980	150	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	980	340	5
Butyl benzyl phthalate	ND		ug/kg	980	250	5
Di-n-butylphthalate	ND		ug/kg	980	180	5
Di-n-octylphthalate	ND		ug/kg	980	330	5
Diethyl phthalate	ND		ug/kg	980	90.	5
Dimethyl phthalate	ND		ug/kg	980	200	5
Benzo(a)anthracene	2300		ug/kg	580	110	5
Benzo(a)pyrene	2300		ug/kg	780	240	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02 D Date Collected: 05/20/19 10:45

Client ID: SB8 (2.5-6.5') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	3400		ug/kg	580	160	5
Benzo(k)fluoranthene	910		ug/kg	580	160	5
Chrysene	2400		ug/kg	580	100	5
Acenaphthylene	ND		ug/kg	780	150	5
Anthracene	1800		ug/kg	580	190	5
Benzo(ghi)perylene	1600		ug/kg	780	110	5
Fluorene	3200		ug/kg	980	95.	5
Phenanthrene	9200		ug/kg	580	120	5
Dibenzo(a,h)anthracene	360	J	ug/kg	580	110	5
Indeno(1,2,3-cd)pyrene	1600		ug/kg	780	140	5
Pyrene	4500		ug/kg	580	97.	5
Biphenyl	ND		ug/kg	2200	230	5
4-Chloroaniline	ND		ug/kg	980	180	5
2-Nitroaniline	ND		ug/kg	980	190	5
3-Nitroaniline	ND		ug/kg	980	180	5
4-Nitroaniline	ND		ug/kg	980	400	5
Dibenzofuran	1500		ug/kg	980	92.	5
2-Methylnaphthalene	11000		ug/kg	1200	120	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	980	100	5
Acetophenone	ND		ug/kg	980	120	5
2,4,6-Trichlorophenol	ND		ug/kg	580	180	5
p-Chloro-m-cresol	ND		ug/kg	980	140	5
2-Chlorophenol	ND		ug/kg	980	120	5
2,4-Dichlorophenol	ND		ug/kg	880	160	5
2,4-Dimethylphenol	ND		ug/kg	980	320	5
2-Nitrophenol	ND		ug/kg	2100	370	5
4-Nitrophenol	ND		ug/kg	1400	400	5
2,4-Dinitrophenol	ND		ug/kg	4700	460	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	470	5
Pentachlorophenol	ND		ug/kg	780	210	5
Phenol	ND		ug/kg	980	150	5
2-Methylphenol	ND		ug/kg	980	150	5
3-Methylphenol/4-Methylphenol	440	J	ug/kg	1400	150	5
2,4,5-Trichlorophenol	ND		ug/kg	980	190	5
Carbazole	630	J	ug/kg	980	95.	5
Atrazine	ND		ug/kg	780	340	5
Benzaldehyde	ND		ug/kg	1300	260	5

Project Name: PH. II ESA
Lab Number: L1921330
Project Number: 36321
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02 D
Client ID: SB8 (2.5-6.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 10:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	980	300	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	980	200	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	73		18-120

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-04
Client ID: SB1
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/24/19 20:41
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	1.8	J	ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	6.7		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-04
Client ID: SB1
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	5.0		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	3.6	J	ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	11.		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	82		41-149

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-04 D
Client ID: SB1
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/30/19 12:57
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	6.2		ug/l	0.50	0.18	5
2-Chloronaphthalene	ND		ug/l	1.0	0.18	5
Fluoranthene	16		ug/l	0.50	0.19	5
Hexachlorobutadiene	ND		ug/l	2.5	0.18	5
Naphthalene	35		ug/l	0.50	0.22	5
Benzo(a)anthracene	4.8		ug/l	0.50	0.09	5
Benzo(a)pyrene	3.2		ug/l	0.50	0.20	5
Benzo(b)fluoranthene	4.6		ug/l	0.50	0.08	5
Benzo(k)fluoranthene	1.7		ug/l	0.50	0.21	5
Chrysene	4.8		ug/l	0.50	0.19	5
Acenaphthylene	0.98		ug/l	0.50	0.18	5
Anthracene	6.2		ug/l	0.50	0.18	5
Benzo(ghi)perylene	1.7		ug/l	0.50	0.21	5
Fluorene	9.4		ug/l	0.50	0.18	5
Phenanthrene	30		ug/l	0.50	0.08	5
Dibenzo(a,h)anthracene	0.43	J	ug/l	0.50	0.20	5
Indeno(1,2,3-cd)pyrene	1.6		ug/l	0.50	0.20	5
Pyrene	12		ug/l	0.50	0.20	5
2-Methylnaphthalene	8.8		ug/l	0.50	0.22	5
Pentachlorophenol	ND		ug/l	4.0	1.1	5
Hexachlorobenzene	ND		ug/l	4.0	0.16	5
Hexachloroethane	ND		ug/l	4.0	0.15	5

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-04 D
Client ID: SB1
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	98		41-149

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-05
Client ID: SB10
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:00
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/24/19 23:28
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-05
Client ID: SB10
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:00
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	0.92	J	ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	83		41-149

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-05
Client ID: SB10
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:00
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/30/19 12:33
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.63		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.62		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.78		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.15		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.11		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.19		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	0.08	J	ug/l	0.10	0.04	1
Chrysene	0.16		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	0.26		ug/l	0.10	0.04	1
Benzo(ghi)perylene	0.08	J	ug/l	0.10	0.04	1
Fluorene	0.40		ug/l	0.10	0.04	1
Phenanthrene	0.91		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	0.07	J	ug/l	0.10	0.04	1
Pyrene	0.46		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.18		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-05
Client ID: SB10
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:00
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	84		41-149

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-06
Client ID: SB13
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/25/19 00:19
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-06
Client ID: SB13
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	2.9	J	ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	0.74	J	ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	88		41-149

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-06
Client ID: SB13
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/30/19 12:09
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.30		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.34		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.38		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.10		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.08	J	ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.12		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	0.05	J	ug/l	0.10	0.04	1
Chrysene	0.11		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	0.12		ug/l	0.10	0.04	1
Benzo(ghi)perylene	0.06	J	ug/l	0.10	0.04	1
Fluorene	0.20		ug/l	0.10	0.04	1
Phenanthrene	0.63		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	0.05	J	ug/l	0.10	0.04	1
Pyrene	0.25		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.18		ug/l	0.10	0.05	1
Pentachlorophenol	0.61	J	ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-06
Client ID: SB13
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	87		41-149

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07 D
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/29/19 02:01
Analyst: SZ
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	880	110	5
Hexachlorobenzene	ND		ug/kg	660	120	5
Bis(2-chloroethyl)ether	ND		ug/kg	980	150	5
2-Chloronaphthalene	ND		ug/kg	1100	110	5
3,3'-Dichlorobenzidine	ND		ug/kg	1100	290	5
2,4-Dinitrotoluene	ND		ug/kg	1100	220	5
2,6-Dinitrotoluene	ND		ug/kg	1100	190	5
Fluoranthene	360	J	ug/kg	660	120	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1100	120	5
4-Bromophenyl phenyl ether	ND		ug/kg	1100	170	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1300	190	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1200	110	5
Hexachlorobutadiene	ND		ug/kg	1100	160	5
Hexachlorocyclopentadiene	ND		ug/kg	3100	990	5
Hexachloroethane	ND		ug/kg	880	180	5
Isophorone	ND		ug/kg	980	140	5
Naphthalene	ND		ug/kg	1100	130	5
Nitrobenzene	ND		ug/kg	980	160	5
NDPA/DPA	ND		ug/kg	880	120	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1100	170	5
Bis(2-ethylhexyl)phthalate	2800		ug/kg	1100	380	5
Butyl benzyl phthalate	ND		ug/kg	1100	280	5
Di-n-butylphthalate	ND		ug/kg	1100	210	5
Di-n-octylphthalate	ND		ug/kg	1100	370	5
Diethyl phthalate	ND		ug/kg	1100	100	5
Dimethyl phthalate	ND		ug/kg	1100	230	5
Benzo(a)anthracene	290	J	ug/kg	660	120	5
Benzo(a)pyrene	ND		ug/kg	880	270	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07 D Date Collected: 05/20/19 14:30

Client ID: TP3 (1-2.5') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	360	J	ug/kg	660	180	5
Benzo(k)fluoranthene	ND		ug/kg	660	180	5
Chrysene	310	J	ug/kg	660	110	5
Acenaphthylene	ND		ug/kg	880	170	5
Anthracene	ND		ug/kg	660	210	5
Benzo(ghi)perylene	180	J	ug/kg	880	130	5
Fluorene	ND		ug/kg	1100	110	5
Phenanthrene	200	J	ug/kg	660	130	5
Dibenzo(a,h)anthracene	ND		ug/kg	660	130	5
Indeno(1,2,3-cd)pyrene	180	J	ug/kg	880	150	5
Pyrene	370	J	ug/kg	660	110	5
Biphenyl	ND		ug/kg	2500	250	5
4-Chloroaniline	ND		ug/kg	1100	200	5
2-Nitroaniline	ND		ug/kg	1100	210	5
3-Nitroaniline	ND		ug/kg	1100	210	5
4-Nitroaniline	ND		ug/kg	1100	450	5
Dibenzofuran	ND		ug/kg	1100	100	5
2-Methylnaphthalene	ND		ug/kg	1300	130	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1100	110	5
Acetophenone	ND		ug/kg	1100	140	5
2,4,6-Trichlorophenol	ND		ug/kg	660	210	5
p-Chloro-m-cresol	ND		ug/kg	1100	160	5
2-Chlorophenol	ND		ug/kg	1100	130	5
2,4-Dichlorophenol	ND		ug/kg	980	180	5
2,4-Dimethylphenol	ND		ug/kg	1100	360	5
2-Nitrophenol	ND		ug/kg	2400	410	5
4-Nitrophenol	ND		ug/kg	1500	450	5
2,4-Dinitrophenol	ND		ug/kg	5200	510	5
4,6-Dinitro-o-cresol	ND		ug/kg	2800	520	5
Pentachlorophenol	ND		ug/kg	880	240	5
Phenol	ND		ug/kg	1100	160	5
2-Methylphenol	ND		ug/kg	1100	170	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1600	170	5
2,4,5-Trichlorophenol	ND		ug/kg	1100	210	5
Carbazole	ND		ug/kg	1100	110	5
Atrazine	ND		ug/kg	880	380	5
Benzaldehyde	ND		ug/kg	1400	300	5

Project Name: PH. II ESA
Lab Number: L1921330
Project Number: 36321
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07 D
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	1100	330	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1100	220	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	**141**	Q	23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	82		18-120

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08 D
Client ID: SB3 (1-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 09:20
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/29/19 15:37
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1200		ug/kg	730	95.	5
Hexachlorobenzene	ND		ug/kg	550	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	830	120	5
2-Chloronaphthalene	ND		ug/kg	920	91.	5
3,3'-Dichlorobenzidine	ND		ug/kg	920	240	5
2,4-Dinitrotoluene	ND		ug/kg	920	180	5
2,6-Dinitrotoluene	ND		ug/kg	920	160	5
Fluoranthene	11000		ug/kg	550	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	920	98.	5
4-Bromophenyl phenyl ether	ND		ug/kg	920	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	990	92.	5
Hexachlorobutadiene	ND		ug/kg	920	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	830	5
Hexachloroethane	ND		ug/kg	730	150	5
Isophorone	ND		ug/kg	830	120	5
Naphthalene	1400		ug/kg	920	110	5
Nitrobenzene	ND		ug/kg	830	140	5
NDPA/DPA	ND		ug/kg	730	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	920	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	920	320	5
Butyl benzyl phthalate	ND		ug/kg	920	230	5
Di-n-butylphthalate	ND		ug/kg	920	170	5
Di-n-octylphthalate	ND		ug/kg	920	310	5
Diethyl phthalate	ND		ug/kg	920	85.	5
Dimethyl phthalate	ND		ug/kg	920	190	5
Benzo(a)anthracene	6200		ug/kg	550	100	5
Benzo(a)pyrene	4100		ug/kg	730	220	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08 D Date Collected: 05/20/19 09:20

Client ID: SB3 (1-4') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	5800		ug/kg	550	150	5
Benzo(k)fluoranthene	2100		ug/kg	550	150	5
Chrysene	4800		ug/kg	550	96.	5
Acenaphthylene	810		ug/kg	730	140	5
Anthracene	3400		ug/kg	550	180	5
Benzo(ghi)perylene	2400		ug/kg	730	110	5
Fluorene	2200		ug/kg	920	89.	5
Phenanthrene	12000		ug/kg	550	110	5
Dibenzo(a,h)anthracene	790		ug/kg	550	110	5
Indeno(1,2,3-cd)pyrene	2800		ug/kg	730	130	5
Pyrene	8800		ug/kg	550	91.	5
Biphenyl	260	J	ug/kg	2100	210	5
4-Chloroaniline	ND		ug/kg	920	170	5
2-Nitroaniline	ND		ug/kg	920	180	5
3-Nitroaniline	ND		ug/kg	920	170	5
4-Nitroaniline	ND		ug/kg	920	380	5
Dibenzofuran	1400		ug/kg	920	87.	5
2-Methylnaphthalene	840	J	ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	920	96.	5
Acetophenone	ND		ug/kg	920	110	5
2,4,6-Trichlorophenol	ND		ug/kg	550	170	5
p-Chloro-m-cresol	ND		ug/kg	920	140	5
2-Chlorophenol	ND		ug/kg	920	110	5
2,4-Dichlorophenol	ND		ug/kg	830	150	5
2,4-Dimethylphenol	ND		ug/kg	920	300	5
2-Nitrophenol	ND		ug/kg	2000	340	5
4-Nitrophenol	ND		ug/kg	1300	370	5
2,4-Dinitrophenol	ND		ug/kg	4400	430	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	440	5
Pentachlorophenol	ND		ug/kg	730	200	5
Phenol	ND		ug/kg	920	140	5
2-Methylphenol	ND		ug/kg	920	140	5
3-Methylphenol/4-Methylphenol	320	J	ug/kg	1300	140	5
2,4,5-Trichlorophenol	ND		ug/kg	920	180	5
Carbazole	1400		ug/kg	920	89.	5
Atrazine	ND		ug/kg	730	320	5
Benzaldehyde	ND		ug/kg	1200	250	5

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08 D
Client ID: SB3 (1-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 09:20
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	920	280	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	920	180	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	10		10-136
4-Terphenyl-d14	74		18-120

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09
Client ID: SB4 (0-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 09:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/24/19 21:58
Analyst: RC
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	300		ug/kg	180	23.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	2500		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	320		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	420		ug/kg	220	76.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	75.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	1200		ug/kg	130	25.	1
Benzo(a)pyrene	1200		ug/kg	180	54.	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09 Date Collected: 05/20/19 09:45

Client ID: SB4 (0-4') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	1600		ug/kg	130	37.	1
Benzo(k)fluoranthene	540		ug/kg	130	35.	1
Chrysene	1100		ug/kg	130	23.	1
Acenaphthylene	110	J	ug/kg	180	34.	1
Anthracene	620		ug/kg	130	43.	1
Benzo(ghi)perylene	890		ug/kg	180	26.	1
Fluorene	430		ug/kg	220	21.	1
Phenanthrene	2600		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	180		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	800		ug/kg	180	31.	1
Pyrene	2000		ug/kg	130	22.	1
Biphenyl	60	J	ug/kg	500	51.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	91.	1
Dibenzofuran	260		ug/kg	220	21.	1
2-Methylnaphthalene	190	J	ug/kg	260	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	73.	1
2-Nitrophenol	ND		ug/kg	480	83.	1
4-Nitrophenol	ND		ug/kg	310	90.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	78	J	ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	60	J	ug/kg	320	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Carbazole	310		ug/kg	220	21.	1
Atrazine	ND		ug/kg	180	77.	1
Benzaldehyde	ND		ug/kg	290	60.	1

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09
Client ID: SB4 (0-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 09:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	67.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	90		18-120

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10 D2
Client ID: SB12 (0-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 12:40
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/29/19 16:03
Analyst: SZ
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenanthrene	38000		ug/kg	1300	270	10

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10 D
Client ID: SB12 (0-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 12:40
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/24/19 23:14
Analyst: RC
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	8100		ug/kg	900	120	5
Hexachlorobenzene	ND		ug/kg	670	120	5
Bis(2-chloroethyl)ether	ND		ug/kg	1000	150	5
2-Chloronaphthalene	ND		ug/kg	1100	110	5
3,3'-Dichlorobenzidine	ND		ug/kg	1100	300	5
2,4-Dinitrotoluene	ND		ug/kg	1100	220	5
2,6-Dinitrotoluene	ND		ug/kg	1100	190	5
Fluoranthene	37000		ug/kg	670	130	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1100	120	5
4-Bromophenyl phenyl ether	ND		ug/kg	1100	170	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1300	190	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1200	110	5
Hexachlorobutadiene	ND		ug/kg	1100	160	5
Hexachlorocyclopentadiene	ND		ug/kg	3200	1000	5
Hexachloroethane	ND		ug/kg	900	180	5
Isophorone	ND		ug/kg	1000	140	5
Naphthalene	4600		ug/kg	1100	140	5
Nitrobenzene	ND		ug/kg	1000	170	5
NDPA/DPA	ND		ug/kg	900	130	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1100	170	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1100	390	5
Butyl benzyl phthalate	ND		ug/kg	1100	280	5
Di-n-butylphthalate	ND		ug/kg	1100	210	5
Di-n-octylphthalate	ND		ug/kg	1100	380	5
Diethyl phthalate	ND		ug/kg	1100	100	5
Dimethyl phthalate	ND		ug/kg	1100	240	5
Benzo(a)anthracene	18000		ug/kg	670	130	5
Benzo(a)pyrene	16000		ug/kg	900	270	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10 D Date Collected: 05/20/19 12:40

Client ID: SB12 (0-3') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	20000		ug/kg	670	190	5
Benzo(k)fluoranthene	6700		ug/kg	670	180	5
Chrysene	16000		ug/kg	670	120	5
Acenaphthylene	200	J	ug/kg	900	170	5
Anthracene	14000		ug/kg	670	220	5
Benzo(ghi)perylene	9700		ug/kg	900	130	5
Fluorene	10000		ug/kg	1100	110	5
Phenanthrene	45000	E	ug/kg	670	140	5
Dibenzo(a,h)anthracene	2600		ug/kg	670	130	5
Indeno(1,2,3-cd)pyrene	9700		ug/kg	900	160	5
Pyrene	29000		ug/kg	670	110	5
Biphenyl	900	J	ug/kg	2600	260	5
4-Chloroaniline	ND		ug/kg	1100	200	5
2-Nitroaniline	ND		ug/kg	1100	220	5
3-Nitroaniline	ND		ug/kg	1100	210	5
4-Nitroaniline	ND		ug/kg	1100	460	5
Dibenzofuran	6800		ug/kg	1100	110	5
2-Methylnaphthalene	2800		ug/kg	1300	140	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1100	120	5
Acetophenone	ND		ug/kg	1100	140	5
2,4,6-Trichlorophenol	ND		ug/kg	670	210	5
p-Chloro-m-cresol	ND		ug/kg	1100	170	5
2-Chlorophenol	ND		ug/kg	1100	130	5
2,4-Dichlorophenol	ND		ug/kg	1000	180	5
2,4-Dimethylphenol	ND		ug/kg	1100	370	5
2-Nitrophenol	ND		ug/kg	2400	420	5
4-Nitrophenol	ND		ug/kg	1600	460	5
2,4-Dinitrophenol	ND		ug/kg	5400	520	5
4,6-Dinitro-o-cresol	ND		ug/kg	2900	540	5
Pentachlorophenol	ND		ug/kg	900	250	5
Phenol	ND		ug/kg	1100	170	5
2-Methylphenol	ND		ug/kg	1100	170	5
3-Methylphenol/4-Methylphenol	180	J	ug/kg	1600	180	5
2,4,5-Trichlorophenol	ND		ug/kg	1100	220	5
Carbazole	6700		ug/kg	1100	110	5
Atrazine	ND		ug/kg	900	390	5
Benzaldehyde	ND		ug/kg	1500	300	5

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10 D
Client ID: SB12 (0-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 12:40
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	1100	340	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1100	230	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	78		18-120

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/23/19 07:30
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,07-10 Batch: WG1240126-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/23/19 07:30
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,07-10 Batch: WG1240126-1					
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/23/19 07:30
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,07-10 Batch: WG1240126-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	97		18-120

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/24/19 18:07
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1240684-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Isophorone	ND		ug/l	5.0	0.60
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	1.8	J	ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	3.0	0.63
Dimethyl phthalate	ND		ug/l	3.0	0.65
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/24/19 18:07
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1240684-1					
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Phenol	ND		ug/l	5.0	1.9
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Atrazine	ND		ug/l	10	1.8
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	3.6
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	92		41-149

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/25/19 16:19
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-06 Batch: WG1240685-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.10	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.04
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04
Chrysene	ND		ug/l	0.10	0.04
Acenaphthylene	ND		ug/l	0.10	0.04
Anthracene	ND		ug/l	0.10	0.04
Benzo(ghi)perylene	ND		ug/l	0.10	0.04
Fluorene	ND		ug/l	0.10	0.04
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/25/19 16:19
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-06 Batch: WG1240685-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	74		41-149

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/29/19 23:53
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/29/19 10:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1242185-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	25.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/29/19 23:53
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/29/19 10:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1242185-1					
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/29/19 23:53
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/29/19 10:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1242185-1					
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Carbazole	ND		ug/kg	170	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	170	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	96		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,07-10 Batch: WG1240126-2 WG1240126-3								
Acenaphthene	76		71		31-137	7		50
Hexachlorobenzene	86		80		40-140	7		50
Bis(2-chloroethyl)ether	73		67		40-140	9		50
2-Chloronaphthalene	85		79		40-140	7		50
3,3'-Dichlorobenzidine	57		55		40-140	4		50
2,4-Dinitrotoluene	92		86		40-132	7		50
2,6-Dinitrotoluene	95		87		40-140	9		50
Fluoranthene	96		89		40-140	8		50
4-Chlorophenyl phenyl ether	80		75		40-140	6		50
4-Bromophenyl phenyl ether	84		79		40-140	6		50
Bis(2-chloroisopropyl)ether	60		55		40-140	9		50
Bis(2-chloroethoxy)methane	78		71		40-117	9		50
Hexachlorobutadiene	86		79		40-140	8		50
Hexachlorocyclopentadiene	77		70		40-140	10		50
Hexachloroethane	79		72		40-140	9		50
Isophorone	82		75		40-140	9		50
Naphthalene	81		75		40-140	8		50
Nitrobenzene	83		76		40-140	9		50
NDPA/DPA	82		76		36-157	8		50
n-Nitrosodi-n-propylamine	71		64		32-121	10		50
Bis(2-ethylhexyl)phthalate	82		78		40-140	5		50
Butyl benzyl phthalate	91		86		40-140	6		50
Di-n-butylphthalate	102		96		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,07-10 Batch: WG1240126-2 WG1240126-3								
Di-n-octylphthalate	90		86		40-140	5		50
Diethyl phthalate	82		76		40-140	8		50
Dimethyl phthalate	92		85		40-140	8		50
Benzo(a)anthracene	89		84		40-140	6		50
Benzo(a)pyrene	91		86		40-140	6		50
Benzo(b)fluoranthene	96		87		40-140	10		50
Benzo(k)fluoranthene	89		85		40-140	5		50
Chrysene	82		76		40-140	8		50
Acenaphthylene	93		85		40-140	9		50
Anthracene	94		87		40-140	8		50
Benzo(ghi)perylene	91		84		40-140	8		50
Fluorene	81		74		40-140	9		50
Phenanthrene	86		80		40-140	7		50
Dibenzo(a,h)anthracene	92		84		40-140	9		50
Indeno(1,2,3-cd)pyrene	78		74		40-140	5		50
Pyrene	93		87		35-142	7		50
Biphenyl	88		82		54-104	7		50
4-Chloroaniline	56		65		40-140	15		50
2-Nitroaniline	96		88		47-134	9		50
3-Nitroaniline	72		68		26-129	6		50
4-Nitroaniline	83		77		41-125	8		50
Dibenzofuran	78		72		40-140	8		50
2-Methylnaphthalene	85		78		40-140	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,07-10 Batch: WG1240126-2 WG1240126-3								
1,2,4,5-Tetrachlorobenzene	92		84		40-117	9		50
Acetophenone	86		79		14-144	8		50
2,4,6-Trichlorophenol	102		94		30-130	8		50
p-Chloro-m-cresol	92		85		26-103	8		50
2-Chlorophenol	83		76		25-102	9		50
2,4-Dichlorophenol	91		83		30-130	9		50
2,4-Dimethylphenol	80		74		30-130	8		50
2-Nitrophenol	98		90		30-130	9		50
4-Nitrophenol	83		75		11-114	10		50
2,4-Dinitrophenol	86		81		4-130	6		50
4,6-Dinitro-o-cresol	111		103		10-130	7		50
Pentachlorophenol	74		66		17-109	11		50
Phenol	74		67		26-90	10		50
2-Methylphenol	80		74		30-130.	8		50
3-Methylphenol/4-Methylphenol	82		75		30-130	9		50
2,4,5-Trichlorophenol	99		92		30-130	7		50
Carbazole	91		85		54-128	7		50
Atrazine	98		90		40-140	9		50
Benzaldehyde	83		76		40-140	9		50
Caprolactam	88		82		15-130	7		50
2,3,4,6-Tetrachlorophenol	90		84		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,07-10 Batch: WG1240126-2 WG1240126-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		68		25-120
Phenol-d6	73		66		10-120
Nitrobenzene-d5	83		75		23-120
2-Fluorobiphenyl	82		75		30-120
2,4,6-Tribromophenol	91		82		10-136
4-Terphenyl-d14	89		82		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1240684-2 WG1240684-3								
Bis(2-chloroethyl)ether	73		83		40-140	13		30
3,3'-Dichlorobenzidine	69		83		40-140	18		30
2,4-Dinitrotoluene	88		105		48-143	18		30
2,6-Dinitrotoluene	91		106		40-140	15		30
4-Chlorophenyl phenyl ether	77		91		40-140	17		30
4-Bromophenyl phenyl ether	81		95		40-140	16		30
Bis(2-chloroisopropyl)ether	66		76		40-140	14		30
Bis(2-chloroethoxy)methane	78		92		40-140	16		30
Hexachlorocyclopentadiene	58		68		40-140	16		30
Isophorone	78		92		40-140	16		30
Nitrobenzene	76		88		40-140	15		30
NDPA/DPA	81		95		40-140	16		30
n-Nitrosodi-n-propylamine	79		92		29-132	15		30
Bis(2-ethylhexyl)phthalate	82		98		40-140	18		30
Butyl benzyl phthalate	91		106		40-140	15		30
Di-n-butylphthalate	84		99		40-140	16		30
Di-n-octylphthalate	86		104		40-140	19		30
Diethyl phthalate	80		93		40-140	15		30
Dimethyl phthalate	84		98		40-140	15		30
Biphenyl	82		94		40-140	14		30
4-Chloroaniline	64		75		40-140	16		30
2-Nitroaniline	86		103		52-143	18		30
3-Nitroaniline	68		78		25-145	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1240684-2 WG1240684-3								
4-Nitroaniline	80		93		51-143	15		30
Dibenzofuran	77		90		40-140	16		30
1,2,4,5-Tetrachlorobenzene	79		92		2-134	15		30
Acetophenone	80		92		39-129	14		30
2,4,6-Trichlorophenol	83		100		30-130	19		30
p-Chloro-m-cresol	82		95		23-97	15		30
2-Chlorophenol	70		81		27-123	15		30
2,4-Dichlorophenol	82		97		30-130	17		30
2,4-Dimethylphenol	78		94		30-130	19		30
2-Nitrophenol	76		92		30-130	19		30
4-Nitrophenol	47		57		10-80	19		30
2,4-Dinitrophenol	65		84		20-130	26		30
4,6-Dinitro-o-cresol	83		104		20-164	22		30
Phenol	37		44		12-110	17		30
3-Methylphenol/4-Methylphenol	64		75		30-130	16		30
2,4,5-Trichlorophenol	87		102		30-130	16		30
Carbazole	82		95		55-144	15		30
Atrazine	97		112		40-140	14		30
Benzaldehyde	80		90		40-140	12		30
Caprolactam	26		30		10-130	14		30
2,3,4,6-Tetrachlorophenol	83		100		40-140	19		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
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Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1240684-2 WG1240684-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		54		21-120
Phenol-d6	35		39		10-120
Nitrobenzene-d5	76		90		23-120
2-Fluorobiphenyl	81		92		15-120
2,4,6-Tribromophenol	86		103		10-120
4-Terphenyl-d14	86		98		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-06 Batch: WG1240685-2 WG1240685-3								
Acenaphthene	75		74		40-140	1		40
2-Chloronaphthalene	78		76		40-140	3		40
Fluoranthene	82		79		40-140	4		40
Hexachlorobutadiene	76		77		40-140	1		40
Naphthalene	71		71		40-140	0		40
Benzo(a)anthracene	80		77		40-140	4		40
Benzo(a)pyrene	74		71		40-140	4		40
Benzo(b)fluoranthene	78		76		40-140	3		40
Benzo(k)fluoranthene	80		76		40-140	5		40
Chrysene	78		75		40-140	4		40
Acenaphthylene	76		74		40-140	3		40
Anthracene	79		77		40-140	3		40
Benzo(ghi)perylene	78		75		40-140	4		40
Fluorene	78		76		40-140	3		40
Phenanthrene	76		74		40-140	3		40
Dibenzo(a,h)anthracene	79		77		40-140	3		40
Indeno(1,2,3-cd)pyrene	79		76		40-140	4		40
Pyrene	81		78		40-140	4		40
2-Methylnaphthalene	72		71		40-140	1		40
Pentachlorophenol	59		60		40-140	2		40
Hexachlorobenzene	74		72		40-140	3		40
Hexachloroethane	70		71		40-140	1		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-06 Batch: WG1240685-2 WG1240685-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	44		45		21-120
Phenol-d6	28		28		10-120
Nitrobenzene-d5	76		74		23-120
2-Fluorobiphenyl	72		71		15-120
2,4,6-Tribromophenol	60		59		10-120
4-Terphenyl-d14	71		69		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1242185-2 WG1242185-3								
Acenaphthene	89		79		31-137	12		50
Hexachlorobenzene	94		81		40-140	15		50
Bis(2-chloroethyl)ether	89		74		40-140	18		50
2-Chloronaphthalene	91		78		40-140	15		50
3,3'-Dichlorobenzidine	68		58		40-140	16		50
2,4-Dinitrotoluene	106		90		40-132	16		50
2,6-Dinitrotoluene	108		91		40-140	17		50
Fluoranthene	96		82		40-140	16		50
4-Chlorophenyl phenyl ether	90		80		40-140	12		50
4-Bromophenyl phenyl ether	94		82		40-140	14		50
Bis(2-chloroisopropyl)ether	82		68		40-140	19		50
Bis(2-chloroethoxy)methane	93		77		40-117	19		50
Hexachlorobutadiene	87		77		40-140	12		50
Hexachlorocyclopentadiene	76		68		40-140	11		50
Hexachloroethane	84		72		40-140	15		50
Isophorone	91		76		40-140	18		50
Naphthalene	88		75		40-140	16		50
Nitrobenzene	93		77		40-140	19		50
NDPA/DPA	94		82		36-157	14		50
n-Nitrosodi-n-propylamine	93		77		32-121	19		50
Bis(2-ethylhexyl)phthalate	89		78		40-140	13		50
Butyl benzyl phthalate	102		86		40-140	17		50
Di-n-butylphthalate	92		82		40-140	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1242185-2 WG1242185-3								
Di-n-octylphthalate	93		79		40-140	16		50
Diethyl phthalate	92		80		40-140	14		50
Dimethyl phthalate	96		81		40-140	17		50
Benzo(a)anthracene	95		84		40-140	12		50
Benzo(a)pyrene	99		84		40-140	16		50
Benzo(b)fluoranthene	99		86		40-140	14		50
Benzo(k)fluoranthene	96		83		40-140	15		50
Chrysene	92		82		40-140	11		50
Acenaphthylene	96		82		40-140	16		50
Anthracene	95		84		40-140	12		50
Benzo(ghi)perylene	96		84		40-140	13		50
Fluorene	93		80		40-140	15		50
Phenanthrene	92		80		40-140	14		50
Dibenzo(a,h)anthracene	102		89		40-140	14		50
Indeno(1,2,3-cd)pyrene	89		80		40-140	11		50
Pyrene	97		82		35-142	17		50
Biphenyl	95		82		54-104	15		50
4-Chloroaniline	83		68		40-140	20		50
2-Nitroaniline	101		86		47-134	16		50
3-Nitroaniline	73		62		26-129	16		50
4-Nitroaniline	96		81		41-125	17		50
Dibenzofuran	91		79		40-140	14		50
2-Methylnaphthalene	90		77		40-140	16		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1242185-2 WG1242185-3								
1,2,4,5-Tetrachlorobenzene	94		80		40-117	16		50
Acetophenone	95		78		14-144	20		50
2,4,6-Trichlorophenol	102		85		30-130	18		50
p-Chloro-m-cresol	98		83		26-103	17		50
2-Chlorophenol	91		76		25-102	18		50
2,4-Dichlorophenol	101		82		30-130	21		50
2,4-Dimethylphenol	100		83		30-130	19		50
2-Nitrophenol	101		83		30-130	20		50
4-Nitrophenol	104		87		11-114	18		50
2,4-Dinitrophenol	97		83		4-130	16		50
4,6-Dinitro-o-cresol	114		97		10-130	16		50
Pentachlorophenol	106		92		17-109	14		50
Phenol	**96**	Q	78		26-90	21		50
2-Methylphenol	95		77		30-130.	21		50
3-Methylphenol/4-Methylphenol	94		77		30-130	20		50
2,4,5-Trichlorophenol	102		86		30-130	17		50
Carbazole	94		81		54-128	15		50
Atrazine	103		88		40-140	16		50
Benzaldehyde	93		78		40-140	18		50
Caprolactam	102		85		15-130	18		50
2,3,4,6-Tetrachlorophenol	100		87		40-140	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1242185-2 WG1242185-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	88		73		25-120
Phenol-d6	88		70		10-120
Nitrobenzene-d5	91		76		23-120
2-Fluorobiphenyl	92		78		30-120
2,4,6-Tribromophenol	103		87		10-136
4-Terphenyl-d14	95		80		18-120

PCBS

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01 D
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/24/19 14:24
Analyst: WR
Percent Solids: 83%

Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	193	17.1	5	A
Aroclor 1221	ND		ug/kg	193	19.3	5	A
Aroclor 1232	ND		ug/kg	193	40.8	5	A
Aroclor 1242	ND		ug/kg	193	26.0	5	A
Aroclor 1248	ND		ug/kg	193	28.9	5	A
Aroclor 1254	ND		ug/kg	193	21.1	5	A
Aroclor 1260	ND		ug/kg	193	35.6	5	A
Aroclor 1262	ND		ug/kg	193	24.5	5	A
Aroclor 1268	ND		ug/kg	193	20.0	5	A
PCBs, Total	ND		ug/kg	193	17.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	122		30-150	B

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02
Client ID: SB8 (2.5-6.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 10:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/23/19 19:42
Analyst: AWS
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	3.32	1	A
Aroclor 1221	ND		ug/kg	37.4	3.74	1	A
Aroclor 1232	ND		ug/kg	37.4	7.92	1	A
Aroclor 1242	ND		ug/kg	37.4	5.04	1	A
Aroclor 1248	ND		ug/kg	37.4	5.60	1	A
Aroclor 1254	ND		ug/kg	37.4	4.09	1	A
Aroclor 1260	ND		ug/kg	37.4	6.90	1	A
Aroclor 1262	ND		ug/kg	37.4	4.74	1	A
Aroclor 1268	ND		ug/kg	37.4	3.87	1	A
PCBs, Total	ND		ug/kg	37.4	3.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	115		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	138		30-150	B

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/23/19 19:57
Analyst: AWS
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.0	3.91	1	B
Aroclor 1221	ND		ug/kg	44.0	4.41	1	B
Aroclor 1232	ND		ug/kg	44.0	9.33	1	B
Aroclor 1242	ND		ug/kg	44.0	5.93	1	B
Aroclor 1248	ND		ug/kg	44.0	6.60	1	B
Aroclor 1254	ND		ug/kg	44.0	4.81	1	B
Aroclor 1260	ND		ug/kg	44.0	8.13	1	B
Aroclor 1262	ND		ug/kg	44.0	5.59	1	B
Aroclor 1268	ND		ug/kg	44.0	4.56	1	B
PCBs, Total	ND		ug/kg	44.0	3.91	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**20**	Q	30-150	A
Decachlorobiphenyl	**24**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08 D
Client ID: SB3 (1-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 09:20
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/24/19 14:36
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	181	16.1	5	A
Aroclor 1221	ND		ug/kg	181	18.1	5	A
Aroclor 1232	ND		ug/kg	181	38.4	5	A
Aroclor 1242	ND		ug/kg	181	24.4	5	A
Aroclor 1248	ND		ug/kg	181	27.2	5	A
Aroclor 1254	ND		ug/kg	181	19.8	5	A
Aroclor 1260	ND		ug/kg	181	33.5	5	A
Aroclor 1262	ND		ug/kg	181	23.0	5	A
Aroclor 1268	ND		ug/kg	181	18.8	5	A
PCBs, Total	ND		ug/kg	181	16.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	126		30-150	B

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09
Client ID: SB4 (0-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 09:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/23/19 20:26
Analyst: AWS
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.70	1	A
Aroclor 1221	ND		ug/kg	41.6	4.17	1	A
Aroclor 1232	ND		ug/kg	41.6	8.83	1	A
Aroclor 1242	ND		ug/kg	41.6	5.61	1	A
Aroclor 1248	ND		ug/kg	41.6	6.25	1	A
Aroclor 1254	118		ug/kg	41.6	4.56	1	B
Aroclor 1260	ND		ug/kg	41.6	7.70	1	A
Aroclor 1262	ND		ug/kg	41.6	5.29	1	A
Aroclor 1268	ND		ug/kg	41.6	4.32	1	A
PCBs, Total	118		ug/kg	41.6	3.70	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10
Client ID: SB12 (0-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 12:40
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/23/19 20:41
Analyst: AWS
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.7	3.88	1	A
Aroclor 1221	ND		ug/kg	43.7	4.38	1	A
Aroclor 1232	ND		ug/kg	43.7	9.26	1	A
Aroclor 1242	ND		ug/kg	43.7	5.89	1	A
Aroclor 1248	ND		ug/kg	43.7	6.55	1	A
Aroclor 1254	8.90	J	ug/kg	43.7	4.78	1	A
Aroclor 1260	8.40	J	ug/kg	43.7	8.07	1	A
Aroclor 1262	ND		ug/kg	43.7	5.55	1	A
Aroclor 1268	ND		ug/kg	43.7	4.52	1	A
PCBs, Total	17.3	J	ug/kg	43.7	3.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/23/19 23:37
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02,07-10 Batch: WG1240154-1						
Aroclor 1016	ND		ug/kg	32.6	2.89	A
Aroclor 1221	ND		ug/kg	32.6	3.26	A
Aroclor 1232	ND		ug/kg	32.6	6.90	A
Aroclor 1242	ND		ug/kg	32.6	4.39	A
Aroclor 1248	ND		ug/kg	32.6	4.88	A
Aroclor 1254	ND		ug/kg	32.6	3.56	A
Aroclor 1260	ND		ug/kg	32.6	6.02	A
Aroclor 1262	ND		ug/kg	32.6	4.13	A
Aroclor 1268	ND		ug/kg	32.6	3.37	A
PCBs, Total	ND		ug/kg	32.6	2.89	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	85		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,07-10 Batch: WG1240154-2 WG1240154-3									
Aroclor 1016	68		79		40-140	15		50	A
Aroclor 1260	54		63		40-140	15		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		72		30-150	A
Decachlorobiphenyl	63		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		74		30-150	B
Decachlorobiphenyl	81		93		30-150	B

METALS

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5460		mg/kg	95.0	25.6	20	05/24/19 21:40	05/28/19 19:40	EPA 3050B	1,6010D	AB
Antimony, Total	4.09	J	mg/kg	4.75	0.361	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Arsenic, Total	3.62		mg/kg	0.950	0.198	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Barium, Total	74.8		mg/kg	0.950	0.165	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Beryllium, Total	0.294	J	mg/kg	0.475	0.031	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Cadmium, Total	0.513	J	mg/kg	0.950	0.093	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Calcium, Total	96700		mg/kg	95.0	33.2	20	05/24/19 21:40	05/28/19 19:40	EPA 3050B	1,6010D	AB
Chromium, Total	11.4		mg/kg	0.950	0.091	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Cobalt, Total	2.61		mg/kg	1.90	0.158	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Copper, Total	29.9		mg/kg	0.950	0.245	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Iron, Total	7620		mg/kg	4.75	0.858	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Lead, Total	61.3		mg/kg	4.75	0.255	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Magnesium, Total	22000		mg/kg	9.50	1.46	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Manganese, Total	270		mg/kg	0.950	0.151	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Mercury, Total	0.312		mg/kg	0.075	0.049	1	05/25/19 08:00	05/27/19 14:55	EPA 7471B	1,7471B	GD
Nickel, Total	8.31		mg/kg	2.38	0.230	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Potassium, Total	653		mg/kg	238	13.7	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Selenium, Total	0.560	J	mg/kg	1.90	0.245	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.950	0.269	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Sodium, Total	244		mg/kg	190	2.99	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.90	0.299	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Vanadium, Total	11.4		mg/kg	0.950	0.193	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Zinc, Total	116		mg/kg	4.75	0.278	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02
Client ID: SB8 (2.5-6.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 10:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6830		mg/kg	9.30	2.51	2	05/24/19 21:40	05/28/19 17:41	EPA 3050B	1,6010D	AB
Antimony, Total	3.54	J	mg/kg	4.65	0.354	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Arsenic, Total	13.7		mg/kg	0.930	0.194	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Barium, Total	219		mg/kg	0.930	0.162	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Beryllium, Total	0.586		mg/kg	0.465	0.031	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Cadmium, Total	1.56		mg/kg	0.930	0.091	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Calcium, Total	30500		mg/kg	9.30	3.26	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Chromium, Total	20.3		mg/kg	0.930	0.089	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Cobalt, Total	8.60		mg/kg	1.86	0.154	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Copper, Total	116		mg/kg	0.930	0.240	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Iron, Total	20900		mg/kg	4.65	0.840	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Lead, Total	306		mg/kg	4.65	0.249	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Magnesium, Total	7440		mg/kg	9.30	1.43	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Manganese, Total	350		mg/kg	0.930	0.148	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Mercury, Total	0.186		mg/kg	0.075	0.049	1	05/25/19 08:00	05/27/19 14:57	EPA 7471B	1,7471B	GD
Nickel, Total	25.0		mg/kg	2.33	0.225	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Potassium, Total	998		mg/kg	233	13.4	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Selenium, Total	0.986	J	mg/kg	1.86	0.240	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.930	0.263	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Sodium, Total	189		mg/kg	186	2.93	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.86	0.293	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Vanadium, Total	21.4		mg/kg	0.930	0.189	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Zinc, Total	413		mg/kg	4.65	0.273	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7690		mg/kg	105	28.5	20	05/24/19 21:40	05/28/19 19:45	EPA 3050B	1,6010D	AB
Antimony, Total	1.14	J	mg/kg	5.27	0.401	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Arsenic, Total	5.50		mg/kg	1.05	0.219	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Barium, Total	116		mg/kg	1.05	0.183	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Beryllium, Total	0.390	J	mg/kg	0.527	0.035	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Cadmium, Total	0.780	J	mg/kg	1.05	0.103	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Calcium, Total	134000		mg/kg	105	36.9	20	05/24/19 21:40	05/28/19 19:45	EPA 3050B	1,6010D	AB
Chromium, Total	13.9		mg/kg	1.05	0.101	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Cobalt, Total	5.45		mg/kg	2.11	0.175	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Copper, Total	56.6		mg/kg	1.05	0.272	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Iron, Total	14800		mg/kg	5.27	0.952	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Lead, Total	36.8		mg/kg	5.27	0.283	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Magnesium, Total	13600		mg/kg	10.5	1.62	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Manganese, Total	449		mg/kg	1.05	0.168	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.083	0.054	1	05/25/19 08:00	05/27/19 14:59	EPA 7471B	1,7471B	GD
Nickel, Total	14.9		mg/kg	2.64	0.255	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Potassium, Total	1060		mg/kg	264	15.2	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Selenium, Total	0.612	J	mg/kg	2.11	0.272	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	1.05	0.298	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Sodium, Total	153	J	mg/kg	211	3.32	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	2.11	0.332	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Vanadium, Total	15.6		mg/kg	1.05	0.214	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Zinc, Total	113		mg/kg	5.27	0.309	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08
Client ID: SB3 (1-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 09:20
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7050		mg/kg	8.76	2.36	2	05/24/19 21:40	05/28/19 17:46	EPA 3050B	1,6010D	AB
Antimony, Total	1.59	J	mg/kg	4.38	0.333	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Arsenic, Total	4.33		mg/kg	0.876	0.182	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Barium, Total	71.6		mg/kg	0.876	0.152	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Beryllium, Total	0.403	J	mg/kg	0.438	0.029	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Cadmium, Total	0.867	J	mg/kg	0.876	0.086	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Calcium, Total	50800		mg/kg	8.76	3.07	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Chromium, Total	27.9		mg/kg	0.876	0.084	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Cobalt, Total	3.83		mg/kg	1.75	0.145	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Copper, Total	33.7		mg/kg	0.876	0.226	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Iron, Total	23400		mg/kg	4.38	0.791	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Lead, Total	63.0		mg/kg	4.38	0.235	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Magnesium, Total	6020		mg/kg	8.76	1.35	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Manganese, Total	1710		mg/kg	0.876	0.139	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Mercury, Total	0.057	J	mg/kg	0.071	0.046	1	05/25/19 08:00	05/27/19 15:01	EPA 7471B	1,7471B	GD
Nickel, Total	14.3		mg/kg	2.19	0.212	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Potassium, Total	962		mg/kg	219	12.6	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Selenium, Total	0.272	J	mg/kg	1.75	0.226	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.876	0.248	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Sodium, Total	510		mg/kg	175	2.76	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Thallium, Total	0.666	J	mg/kg	1.75	0.276	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Vanadium, Total	15.7		mg/kg	0.876	0.178	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Zinc, Total	122		mg/kg	4.38	0.257	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09
Client ID: SB4 (0-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 09:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5190		mg/kg	103	27.9	20	05/24/19 21:40	05/28/19 19:50	EPA 3050B	1,6010D	AB
Antimony, Total	1.11	J	mg/kg	5.16	0.392	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Arsenic, Total	5.47		mg/kg	1.03	0.215	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Barium, Total	62.5		mg/kg	1.03	0.180	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Beryllium, Total	0.330	J	mg/kg	0.516	0.034	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Cadmium, Total	0.537	J	mg/kg	1.03	0.101	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Calcium, Total	120000		mg/kg	103	36.1	20	05/24/19 21:40	05/28/19 19:50	EPA 3050B	1,6010D	AB
Chromium, Total	44.2		mg/kg	1.03	0.099	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Cobalt, Total	2.77		mg/kg	2.06	0.171	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Copper, Total	20.8		mg/kg	1.03	0.266	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Iron, Total	10400		mg/kg	5.16	0.932	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Lead, Total	78.2		mg/kg	5.16	0.277	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Magnesium, Total	14400		mg/kg	10.3	1.59	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Manganese, Total	1040		mg/kg	1.03	0.164	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Mercury, Total	0.174		mg/kg	0.083	0.054	1	05/25/19 08:00	05/27/19 15:07	EPA 7471B	1,7471B	GD
Nickel, Total	9.22		mg/kg	2.58	0.250	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Potassium, Total	631		mg/kg	258	14.9	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Selenium, Total	0.568	J	mg/kg	2.06	0.266	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	1.03	0.292	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Sodium, Total	240		mg/kg	206	3.25	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	2.06	0.325	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Vanadium, Total	24.3		mg/kg	1.03	0.210	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Zinc, Total	127		mg/kg	5.16	0.302	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10
Client ID: SB12 (0-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 12:40
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5650		mg/kg	10.5	2.84	2	05/24/19 21:40	05/28/19 18:48	EPA 3050B	1,6010D	AB
Antimony, Total	1.04	J	mg/kg	5.26	0.400	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Arsenic, Total	7.08		mg/kg	1.05	0.219	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Barium, Total	128		mg/kg	1.05	0.183	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Beryllium, Total	0.494	J	mg/kg	0.526	0.035	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Cadmium, Total	0.673	J	mg/kg	1.05	0.103	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Calcium, Total	61700		mg/kg	10.5	3.68	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Chromium, Total	12.6		mg/kg	1.05	0.101	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Cobalt, Total	4.45		mg/kg	2.10	0.175	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Copper, Total	57.4		mg/kg	1.05	0.271	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Iron, Total	13100		mg/kg	5.26	0.950	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Lead, Total	60.7		mg/kg	5.26	0.282	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Magnesium, Total	13000		mg/kg	10.5	1.62	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Manganese, Total	272		mg/kg	1.05	0.167	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Mercury, Total	0.177		mg/kg	0.085	0.056	1	05/25/19 08:00	05/27/19 15:09	EPA 7471B	1,7471B	GD
Nickel, Total	12.8		mg/kg	2.63	0.255	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Potassium, Total	698		mg/kg	263	15.2	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Selenium, Total	0.663	J	mg/kg	2.10	0.271	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	1.05	0.298	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Sodium, Total	191	J	mg/kg	210	3.31	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	2.10	0.331	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Vanadium, Total	16.8		mg/kg	1.05	0.214	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Zinc, Total	96.9		mg/kg	5.26	0.308	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,07-10 Batch: WG1241088-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Iron, Total	ND		mg/kg	2.00	0.361	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Manganese, Total	0.208	J	mg/kg	0.400	0.064	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Sodium, Total	ND		mg/kg	80.0	1.26	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,07-10 Batch: WG1241191-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	05/25/19 08:00	05/27/19 14:31	1,7471B	GD

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 Batch: WG1241088-2 SRM Lot Number: D101-540								
Aluminum, Total	79		-		50-151	-		
Antimony, Total	130		-		3-196	-		
Arsenic, Total	98		-		83-117	-		
Barium, Total	92		-		83-118	-		
Beryllium, Total	95		-		83-117	-		
Cadmium, Total	90		-		83-117	-		
Calcium, Total	87		-		81-119	-		
Chromium, Total	87		-		81-118	-		
Cobalt, Total	92		-		84-116	-		
Copper, Total	96		-		83-116	-		
Iron, Total	87		-		62-138	-		
Lead, Total	87		-		83-117	-		
Magnesium, Total	91		-		76-124	-		
Manganese, Total	84		-		82-118	-		
Nickel, Total	91		-		82-117	-		
Potassium, Total	96		-		71-130	-		
Selenium, Total	96		-		79-121	-		
Silver, Total	91		-		80-120	-		
Sodium, Total	100		-		72-127	-		
Thallium, Total	92		-		81-119	-		
Vanadium, Total	94		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 Batch: WG1241088-2 SRM Lot Number: D101-540					
Zinc, Total	90	-	81-119	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 Batch: WG1241191-2 SRM Lot Number: D101-540					
Mercury, Total	96	-	65-135	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 QC Batch ID: WG1241088-3 QC Sample: L1921270-01 Client ID: MS Sample												
Aluminum, Total	5480	213	6670	**558**	Q	-	-		75-125	-		20
Antimony, Total	1.62J	53.4	45.5	85		-	-		75-125	-		20
Arsenic, Total	5.88	12.8	20.6	115		-	-		75-125	-		20
Barium, Total	236	213	435	93		-	-		75-125	-		20
Beryllium, Total	0.309	5.34	5.35	94		-	-		75-125	-		20
Cadmium, Total	2.26	5.44	6.25	**73**	Q	-	-		75-125	-		20
Calcium, Total	19300	1070	15900	**0**	Q	-	-		75-125	-		20
Chromium, Total	20.0	21.3	41.6	101		-	-		75-125	-		20
Cobalt, Total	4.87	53.4	49.4	83		-	-		75-125	-		20
Copper, Total	113	26.7	134	79		-	-		75-125	-		20
Iron, Total	16500	107	21200	**4400**	Q	-	-		75-125	-		20
Lead, Total	323	54.4	340	**31**	Q	-	-		75-125	-		20
Magnesium, Total	7110	1070	4030	**0**	Q	-	-		75-125	-		20
Manganese, Total	180	53.4	259	**148**	Q	-	-		75-125	-		20
Nickel, Total	20.6	53.4	63.0	79		-	-		75-125	-		20
Potassium, Total	521	1070	1650	106		-	-		75-125	-		20
Selenium, Total	0.691J	12.8	13.1	102		-	-		75-125	-		20
Silver, Total	0.581	32	31.6	97		-	-		75-125	-		20
Sodium, Total	326	1070	1370	98		-	-		75-125	-		20
Thallium, Total	ND	12.8	9.64	75		-	-		75-125	-		20
Vanadium, Total	23.9	53.4	74.2	94		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 QC Batch ID: WG1241088-3 QC Sample: L1921270-01 Client ID: MS Sample										
Zinc, Total	341	53.4	371	**56**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 QC Batch ID: WG1241191-3 QC Sample: L1920568-01 Client ID: MS Sample										
Mercury, Total	0.228	0.141	0.344	82		-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 QC Batch ID: WG1241088-4 QC Sample: L1921270-01 Client ID: DUP Sample						
Lead, Total	323	350	mg/kg	8		20
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 QC Batch ID: WG1241191-4 QC Sample: L1920568-01 Client ID: DUP Sample						
Mercury, Total	0.228	0.189	mg/kg	19		20

INORGANICS
&
MISCELLANEOUS

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02
Client ID: SB8 (2.5-6.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 10:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-03
Client ID: SB14 (3-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 13:25
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.5		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08
Client ID: SB3 (1-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Sample Depth:
Matrix: Soil

Date Collected: 05/20/19 09:20
Date Received: 05/21/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09
Client ID: SB4 (0-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 09:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.5		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10
Client ID: SB12 (0-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 12:40
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.9		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Lab Duplicate Analysis

Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,07-10 QC Batch ID: WG1240191-1 QC Sample: L1921330-01 Client ID: SB1 (2-5)						
Solids, Total	83.4	86.6	%	4		20

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921330-01A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-01B	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1921330-01C	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-01D	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-01X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-01Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-01Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-02A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-02B	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1921330-02C	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-02D	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-02X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-02Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-02Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-03A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L1921330-03X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-03Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-03Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921330-04A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-04B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-04C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-04D	Amber 1000ml unpreserved	A	10	10	2.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1921330-04E	Amber 1000ml unpreserved	A	10	10	2.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1921330-05A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-05B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-05C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-05D	Amber 1000ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1921330-05E	Amber 1000ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1921330-06A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-06B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-06C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-06D	Amber 1000ml unpreserved	A	10	10	2.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1921330-06E	Amber 1000ml unpreserved	A	10	10	2.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1921330-07A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-07B	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1921330-07C	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-07D	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-07X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-07Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-07Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-08A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921330-08B	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1921330-08C	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-08D	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		-
L1921330-08X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-08Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:31**	NYTCL-8260-R2(14)
L1921330-08Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:31**	NYTCL-8260-R2(14)
L1921330-09A	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-09B	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1921330-09C	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-09D	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-09X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-09Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:31**	NYTCL-8260-R2(14)
L1921330-09Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:31**	NYTCL-8260-R2(14)
L1921330-10B	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1921330-10C	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-10D	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name:	PH. II ESA	**Lab Number:**	L1921330
Project Number:	36321	**Report Date:**	05/30/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	PH. II ESA	**Lab Number:**	L1921330
Project Number:	36321	**Report Date:**	05/30/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581, 8 Walkup Dr., TEL: 508-898-9220, FAX: 508-898-9193
Mansfield, MA 02048, 320 Forbes Blvd, TEL: 508-822-9300, FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/22/19

ALPHA Job #: L1921330

Project Information
Project Name: Ph. II ESA
Project Location: 140 Chandler St. Buffalo, NY
Project # 36321
(Use Project name as Project #) ☐
Project Manager: Michele Wittman, Mark Hanna
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days: 5 day

Client Information
Client: Hazard Evaluations Inc.
Address: 3636 N. Buffalo Rd Orchard Park, NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: mwittman@hazardevaluations.com

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: ☐ NJ ☐ NY ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260 TCL+STARS	SVOC 8270 TCL	TAL Metals	T. PCBs	VOC 8260 TCL+STARS				Sample Specific Comments	Total Bottles
21330 - 01	SB1 (2-5')	5/20/19	830am	Soil	EB	X	X	X	X						4
02	SB8 (2.5-6.5')	5/20/19	10:45am	Soil	EB	X	X	X	X						4
03	SB14 (3-4')	5/20/19	1:25pm	Soil	EB	X									1
04	SB1	5/20/19	330pm	GW	EB		X			X					5
05	SB10	5/20/19	3:00pm	GW	EB		X			X					5
06	SB13	5/20/19	3:45pm	GW	EB		X			X					5
07	TP3 (1-2.5')	5/20/19	2:30pm	Soil	EB	X	X	X	X						4
08	SB3 (1-4')	5/20/19	9:20am	Soil	EB	X	X	X	X						4
09	SB4 (0-4')	5/20/19	9:45am	Soil	EB	X	X	X	X						4
10	SB12 (0-3')	5/20/19	12:40pm	Soil	EB		X	X	X						3
					Container Type	A	A	A	A	V					
					Preservative	A	A	A	A	B					

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = $NaHSO_4$, H = $Na_2S_2O_3$, K/E = Zn Ac/NaOH, O = Other

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/21/19 1350	[signature] AAL	5/21/19 13:50
[signature] AAL	5/21/19 16:00	[signature]	5/22/19 0103

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Section IV

Property Information

Figure IV-A – Site Location – USGS Map

Figure IV-B – Tax Map

Figure IV-C – Site survey – 140 Chandler

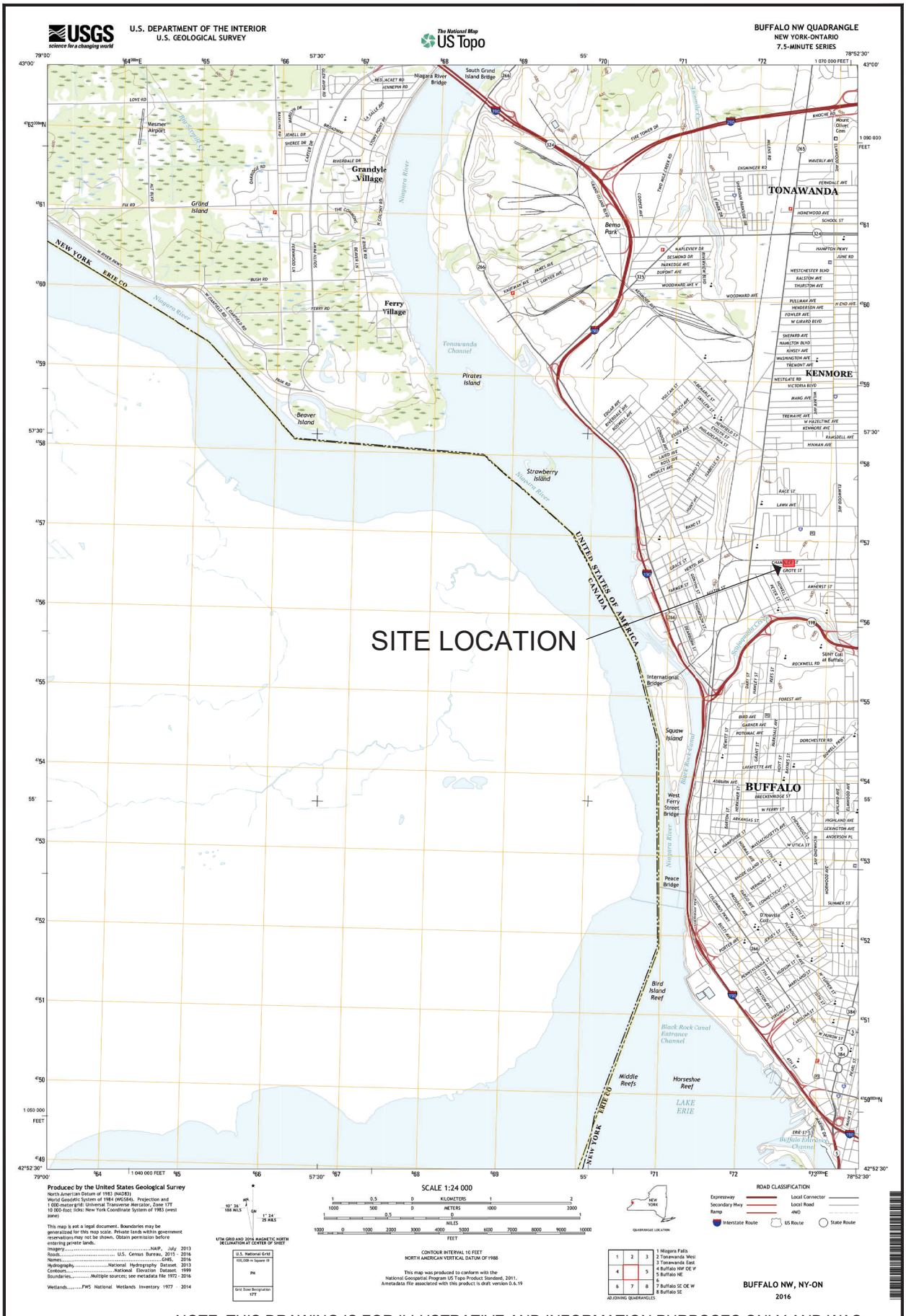
Figure IV-D – Site Base Map

Figure IV-E – En-Zone Designation

Figure IV-F – Brownfield Opportunity Area

Historical NYSDEC Spill Information

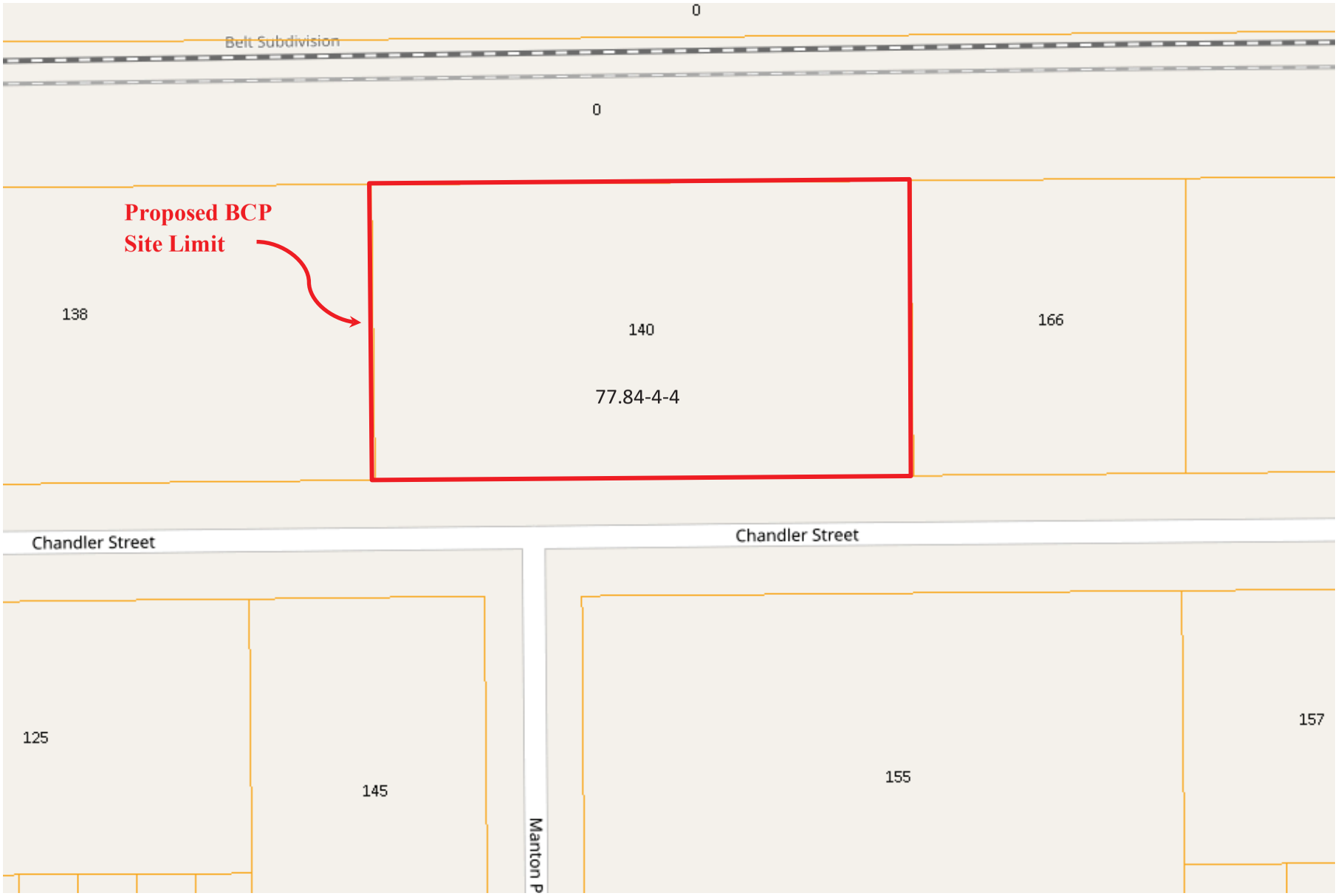
Property Description Narrative



NOTE: THIS DRAWING IS FOR ILLUSTRATIVE AND INFORMATION PURPOSES ONLY AND WAS ADAPTED FROM USGS NEW YORK-ONTARIO BUFFALO NW QUADRANGLE (2016).

WITTMAN GeoSciences, PLLC

TITLE:	PROJECT NAME / LOCATION:	DATE:	FIGURE:
SITE LOCATION	140 CHANDLER STREET BUFFALO, NEW YORK	10/2019	IV-A
		PROJECT NO.: 19211	DRAWN BY: CMC CHECKED BY: MMW

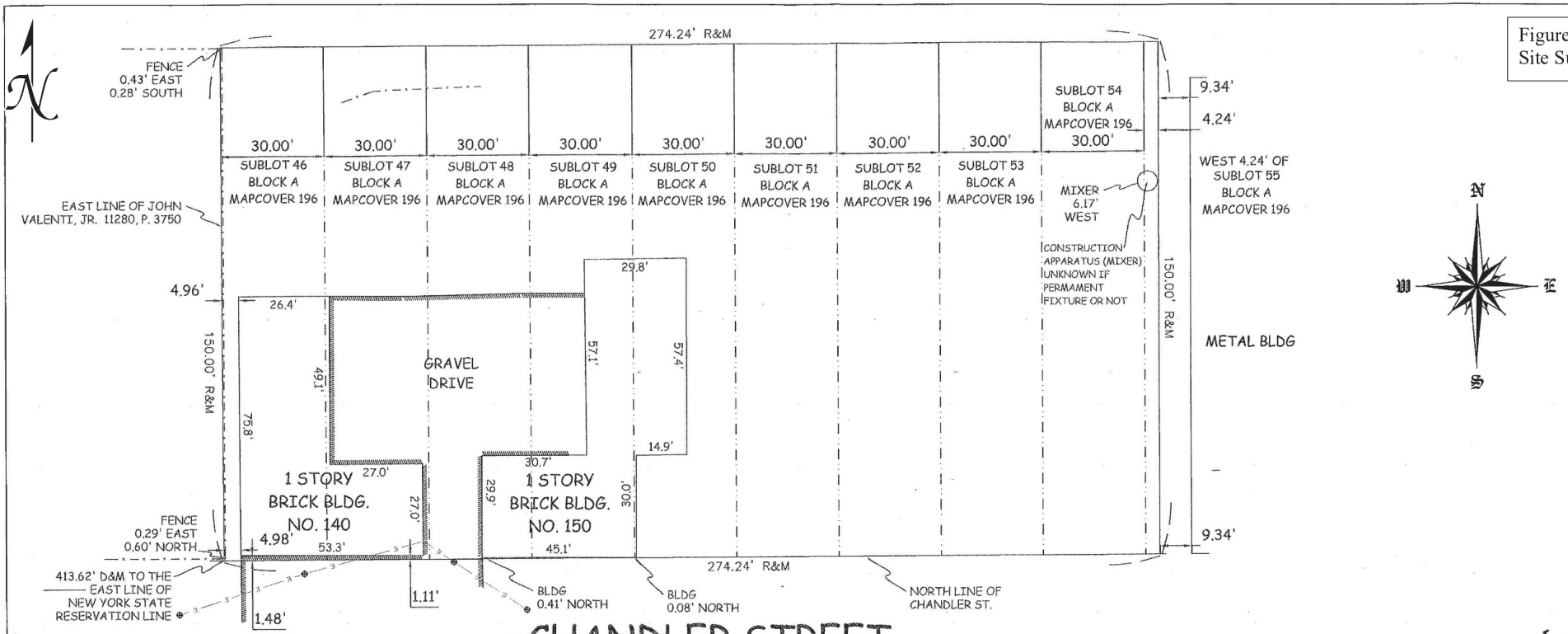


Base map adapted from Erie County Department of Environment and Planning Office of GIS.

WITTMAN GeoSciences, PLLC

WITTMAN GEOSCIENCES, PLLC	Date: 08/2019	**Tax Map**	Project: 19211
	Scale: not to scale	140 Chandler Street, Buffalo, NY	Figure: IV-B

Figure IV-C
Site Survey



MANGUSO LAND SURVEYING, P.C.
FREDERICK M. MANGUSO, 049775-1
TRACY A. SPADA, 050806
572 TUSCARORA RD.
ANGOLA, NY 14006
PHONE & FAX 716 549 4717
EMAIL OFFICE@MangusoLandSurveying.com
SUCCESSOR TO THE RECORDS OF
WILLIAM C. BUCKLAND L.S.
NORMAN B. JOHNSON L.S.
WILSON M. HUNTER L.S.

LEGEND

These standard symbols will be found in the drawing.

- EXISTING IRON PIPE
- SET IRON PIPE
- UTILITY POLE
- BOUNDARY
- CENTERLINE OF ROAD
- FENCE
- DRIVE
- OVERHEAD UTILITY LINE

0 30 60 90

SURVEY NOTES

1. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION2, OF THE NEW YORK STATE EDUCATION LAW.
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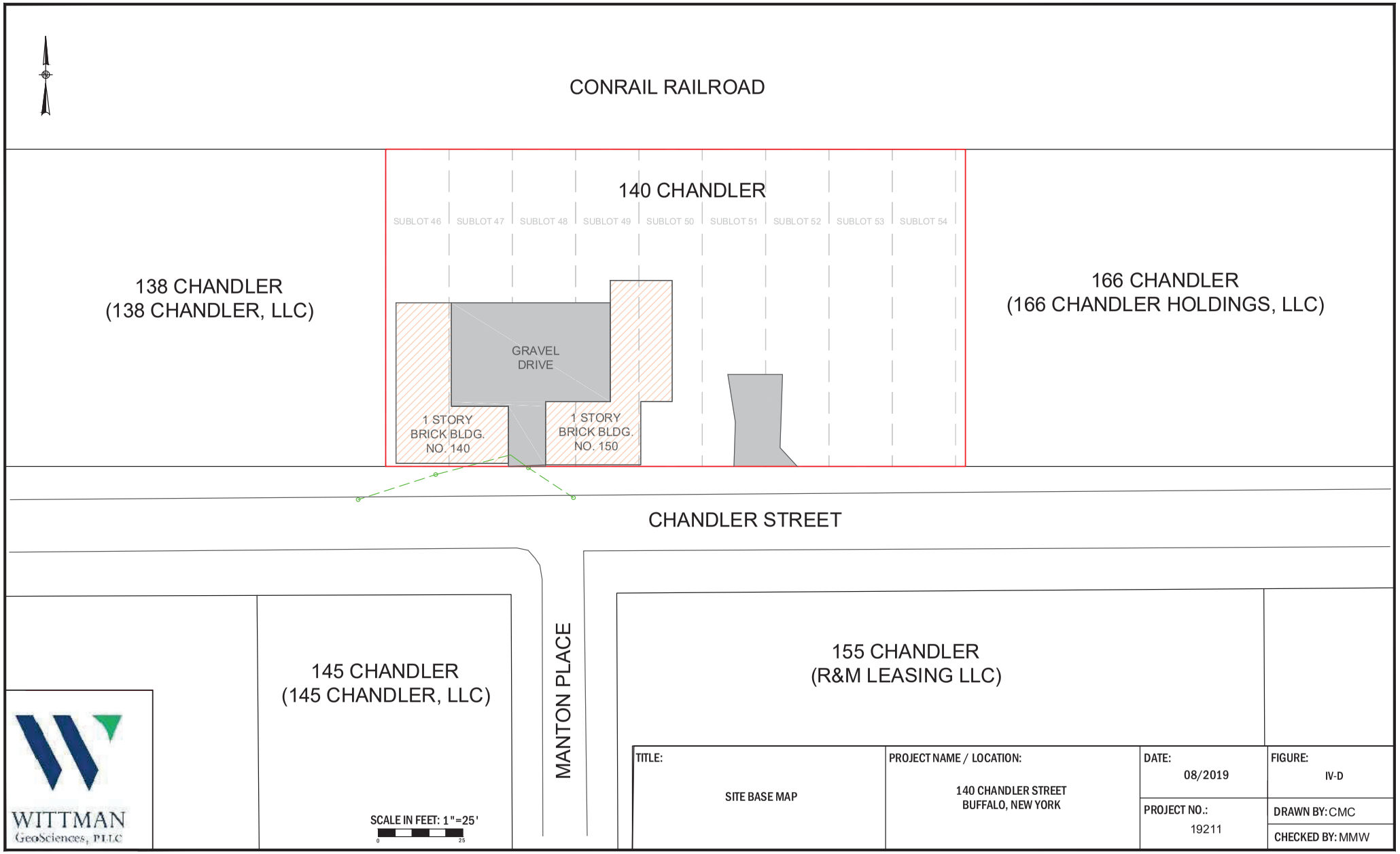
6. THE LOCATION OF UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS ARE NOT ALWAYS KNOWN AND OFTEN MUST BE ESTIMATED. IF ANY UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS EXIST OR ARE SHOWN, THE IMPROVEMENTS OR ENCROACHMENTS ARE NOT COVERED BY THIS CERTIFICATE.
7. SURVEY PERFORMED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY FACTS THAT MAY ARISE THEREFROM.
8. NO STAKES SET AS PER CONTRACT.
9. THIS SURVEY NOT VALID WITH AFFIDAVIT OF NO CHANGE.
10. THIS SURVEY NOT VALID FOR SUBSEQUENT OWNERS, MORTGAGES OR TITLE INSURERS UNLESS THIS SURVEY HAS BEEN RESURVEYED BY THIS SURVEYOR.

140 CHANDLER STREET

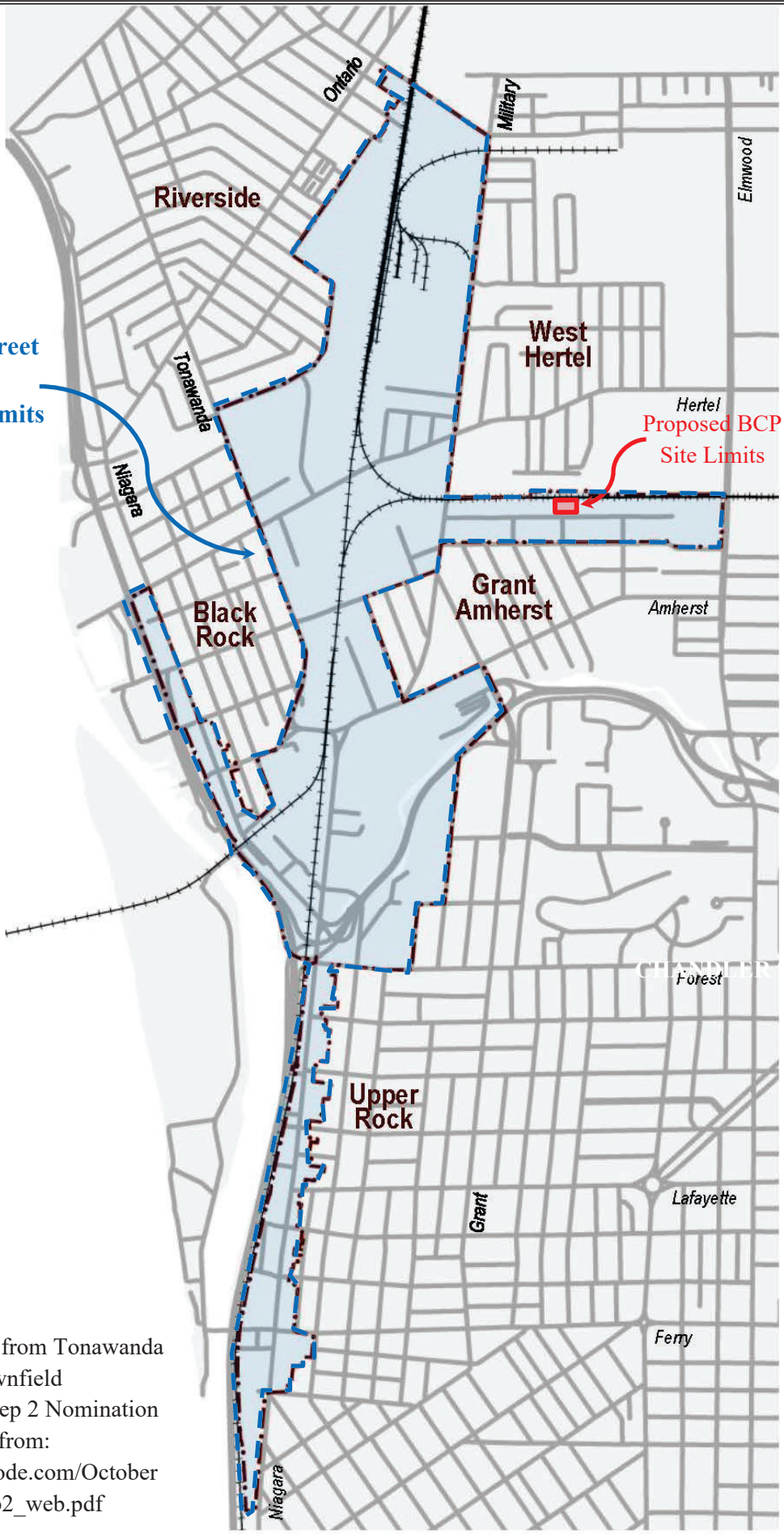
DRAWN BAB	DATE 11/07/18	PART OF LOT 88, T-11, R-8 CITY OF BUFFALO COUNTY OF ERIE STATE OF NEW YORK
APPROVED FMM	DATE 11/07/18	
SCALE 1" = 30'	SHEET	PROJECT NO. 20181247


CONRAIL RAILROAD
140 CHANDLER
SUBLOT 46
SUBLOT 47
SUBLOT 48
SUBLOT 49
SUBLOT 50
SUBLOT 51
SUBLOT 52
SUBLOT 53
SUBLOT 54
138 CHANDLER
(138 CHANDLER, LLC)
166 CHANDLER
(166 CHANDLER HOLDINGS, LLC)
GRAVEL
DRIVE
1 STORY
BRICK BLDG.
NO. 140
1 STORY
BRICK BLDG.
NO. 150
CHANDLER STREET
MANTON PLACE
145 CHANDLER
(145 CHANDLER, LLC)
155 CHANDLER
(R&M LEASING LLC)
WITTMAN
GeoSciences, PLLC
SCALE IN FEET: 1"=25'
0
25
TITLE:
SITE BASE MAP
PROJECT NAME / LOCATION:
140 CHANDLER STREET
BUFFALO, NEW YORK
DATE:
08/2019
FIGURE:
IV-D
PROJECT NO.:
19211
DRAWN BY: CMC
CHECKED BY: MMW

Notes:
1 – Site located in pink shaded area, indicating Type AB En-Zone

WITTMAN
GeoSciences, PLLC

WITTMAN GEOSCIENCES, PLLC	Date: 08/2019	**En-Zone**	Project: 19211
	Scale: not to scale	140 Chandler Street, Buffalo, NY	Figure:IV-E



BOA limits adapted from Tonawanda Street Corridor Brownfield Opportunity Area Step 2 Nomination Document obtained from: http://buffalogreencode.com/October 2015/BOAs/tsc_step2_web.pdf

WITTMAN GeoSciences, PLLC

WITTMAN GEOSCIENCES, PLLC	Date: 08/2019	**Brownfield Opportunity Area**	Project: 19211
	Scale: not to scale	140 Chandler Street, Buffalo, NY	Figure: IV-F

Historical NYSDEC Spill Information

The following spills have been identified at the Site addressed at 140 Chandler Street, Buffalo NY.

- Spill #**9206018** associated with a spill of waste oil/used oil near the railroad tracks behind the building on August 1, 1992. NYSDEC inspected the spill and found minor spillage from operations. No further action was required. The spill was considered as closed on March 25, 1993.

- Spill #**9306631** associated with a complaint that the Site is in general need of improved housekeeping aspects on August 11, 1993. Environmental Services Group was contracted to clean-up spillage the Site. Six 5,000-gallon ASTs placed on a concrete pad were situated above one 5,000-gallon diesel fuel UST scheduled to be closed, located within the central portion of the site. During the tank closure, NYSDEC encountered gross contamination and two additional USTs; one 5,000-gallon glycol UST and one fuel oil UST (unreported size). On January 7, 1994, all three tanks were removed. However, due to nearby structures, the excavations were stopped prior to obtaining "visual clean" and a tank pit monitoring well was installed. A letter from NYSDEC to Niagara Lubricants, dated April 3, 1995, indicated groundwater samples exceeded NYSDEC guidance levels at low levels. Due to low level results, the site received an "inactive" status on April 3, 1995.

- Spill #**9800260** associated with a complaint on April 1, 1998 that approximately 150 55-gallon drums of waste oil stored in the basement and several ASTs were leaking. NYSDEC responded to the spill and observed approximately 150 55-gallon drums puddled on the floor and several hoppers (home heating oil tanks) filled with oil and waste within the basement. The floor was oil stained with residual speedy dry present and drip pans filled with product were noted beneath equipment in the basement. The site contact indicated the drums were stored on-site from a cleanup in the past and the drums' lids were labeled 1993. Mr. Leon Smith, President of Niagara Lubricants, indicated the building was previously occupied by Quaker State Refining and that the basement floor was sealed in the past to prevent seepage. The incident was referred to the Division of Solid and Hazardous Waste and no further action was required by the Spills Department. The spill was considered as "inactive" by NYSDEC on August 7, 2001.

- Spill #**9975094** associated with a spill of approximately 200 gallons of virgin motor oil to the ground from a delivery truck outside the building on May 4, 1999. Environmental Service Group, Inc. (ESG) was contracted to clean up the spill. Approximately 90 tons of contaminated soil was disposed off-site on May 27, 1999. The spill was considered as "closed" by NYSDEC on April 11, 2001.

- Spill #**0175250** associated with a complaint on August 1, 2001 that an oily substance was seeping out of the ground and was discharging to the sewer during rainfall events. The caller claimed a pile of gravel was placed near the affected area, and was used to cover up

to seepage. ESG was contracted to clean up the spill and started excavating between the two buildings (140 and 164 Chandler). Waste oil contamination and a 20,000-gallon asphalt UST was encountered during the excavation. The waste oil was pumped out and placed in an existing 10,000-gallon tank on-site and the UST was removed. The remaining on-site ASTs were scheduled to be removed by Niagara Lubricants. Once the ASTs were removed, a remedial plan was to be submitted to the NYSDEC and the clean-up was to be resumed.

NYSDEC responded to the site on June 27, 2005 due to a caller complaint of a spill, associated with a tank removal (Spill #0550519, summarized below). At the time of the inspection, two ASTs were in the process of being removed and spillage was observed in that area. NYSDEC indicated the site is currently under remediation and that this area will also need to be remediated.

All remaining ASTs were removed, and excavations to remove contaminated soil began on August 19, 2005. A 6,000-gallon UST was encountered during the remedial activities and was removed and disposed off-site. Samples collected from the tank pit, as well as throughout the site, were screened for volatile organic compounds (VOCs) and semi-organic volatile organic compounds (SVOCs). SVOCs were detected at slightly higher levels than guidance values in three excavated areas, located throughout the site. NYSDEC indicated that since no sheen or odors were noted on the rainwater within the excavations, the site can be given an "inactive" status. NYSDEC also indicated that any soils generated during future site excavations from the contaminated areas must be tested and analyzed by an approved laboratory from New York State's Environmental Laboratory Program (ELAP). A total of approximately 675 tons of contaminated soil was disposed off-site and no further action was required at that time. The site was given an "inactive" status on November 1, 2005.

- Spill #**0502890** associated with 45 abandoned 5-gallon containers on June 9, 2005. Notes indicated the site was an old hazmat site that was burned down and that the spill was the same as Spill #0550414, and to refer to that spill number for any further spill information. The spill was considered as "closed" on June 10, 2005.

- Spill #**0550519** associated with a caller complaint on June 24, 2005 of Niagara Lubricants spilling petroleum while removing tanks. At the time of the NYSDEC inspection, two ASTs were in the process of being removed and spillage was observed in that area. Mr. Leon Smith, President of Niagara Lubricants, indicated their lawsuit with Shell has been settled and remediation is scheduled to be completed in this area. Further action was referred to Spill #0175250, described above. The spill was considered as "closed" by NYSDEC on June 27, 2005.

- Spill #**1104059** associated with a large fire at 164 Chandler Street on July 13, 2011. The NYSDEC and the Fire Department responded to the site, and fought the fire from the exterior to due stored drums, tanks, and petroleum products. Petroleum was observed on the water and foam solution, which flowed northerly near the railroad tracks and westerly down Chandler Street. The oily water was contained using pads and booms; however,

residual liquids discharged to the Buffalo combined sewer system. The roof of the collapsed, causing a pole-mounted transformer to fall and spill fluid onto the ground. Additional pads were placed in that area. Once the fire was out, residual oil surrounded the building and was present along adjoining streets and along the railroad tracks, located north of the building.

USEPA arrived at the site on July 16, 2011 and the entire site was inspected. An active flow, containing product, was observed in the manholes along Chandler Street, from the building and headed west. During high water event flows, the combined sewer discharges to the Cornelius Creek combined sewer overflow (cso) at the end of Ontario Street, which was inspected and a sheen was present. The Buffalo Sewer Authority (BSA) inserted a plug at the intersection of the building's basement and in the street's main sewer line. The sewer was pumped out, silt fencing was placed, and the streets and affected soils were scrapped. The building was scheduled to be demolished.

A spill occurred on September 12, 2011 due to a vandalized E-tank, storing waste from the fire. The spill was mainly water and was able to be contained by the contractor.

Apollo Demolition began the building demolition on September 27, 2011. Contaminated soil, concrete, and plastics were staged for off-site disposal. Several 55-gallon drums containing liquids were observed on the second floor, which ultimately fell into the basement area during the building demolition. Minimal spillage was observed and was mostly contained in the basement. After demolition and removal of site debris, liquids, and asbestos containing materials, the basement floors and walls were pressure washed, then broken and folded into the basement area. Recycled construction materials were used as final backfill. A collection point, used to collect site water, was constructed in the northern portion of the site, and no sheen was observed on recent rainfall. The following materials were ultimately removed and were either recycled or disposed off-site:

- 14,560 gallons of oil products;
- 49,612 gallons of non-oil liquids;
- 120 tons of scrap metal;
- 3,784 tons of site debris; and
- 79 tons of friable asbestos containing materials.

The USEPA inspected the two on-site buildings for any remaining petroleum products and did not observed any stored products. The spill was considered as "inactive" by NYSDEC on May 30, 2012.

- Spill #**1104100** associated with a spill of approximately 20 gallons of electric fluid mixed with water onto the pavement at 152 Chandler Street, due to a fire in the area (Niagara Lubricants addressed as 164 Chandler Street) on July 13, 2011. The fire caused the front section of the building to fall, hitting the power lines. This caused the utility pole with one pole-mounted transformer to snap, ultimately smashing the transformer onto the ground, causing the fluid to be spilled and mixed with runoff firefighting water. An unknown amount of fluid was lost. Pads and booms were placed in the street to collect

oily runoff. The area around the snapped utility pole was cleaned by OP-Tech and was disposed of as a National Grid spill. The spill was considered as "inactive" by NYSDEC on January 30, 2012.

- Spill #**1503193** associated with a caller complaint on June 22, 2015 that a contractor was doing excavation work and that the excavated soils were black and had strong smell of petroleum. NYSDEC responded to the spill and observed the site had been excavated to point where large amounts of concrete had been dug up and piled. No evidence of black soil or petroleum was found. No further action was required and the spill was considered as "inactive" on July 14, 2015.

Due to addressing numerous spills on site, significant remedial efforts have been completed on-site which include removal of tanks, drums, and oily liquid. Building demolition was also completed. However, materials used for backfilling included historical industrial fill material, which contains SVOCs and metals at concentrations exceeding site cleanup goals of Commercial Use. Soil samples collected from the former building location identified evidence of staining and odors, as well as SVOC concentrations exceeding site cleanup objectives. The presence of the historical industrial fill, as well as potential residual impacts from past spills, impacts the development of the site for its proposed future usage.

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 9206018

SPILL NAME: K R K AUTO & BODY CENTER **DEC LEAD:** PRINGLE

CALLER NAME: ANONYMOUS **NOTIFIER'S NAME:**

CLR'S AGENCY: CITIZEN **NOTIFIER'S AGENCY:**

CALLER'S PHONE: **NOTIFIER'S PHONE:**

SPILL DATE: 08/01/1992 **SPILL TIME:** 12:00 pm **DISPATCHER:**

CALL RECEIVED DATE: 08/24/1992 **RECEIVED TIME:** 4:00 pm

SPILL LOCATION

PLACE: K R K AUTO & BODY CENTER **COUNTY:** Erie

STREET: 140 CHANDLER STREET **TOWN/CITY:** Buffalo (c)

COMMUNITY: BUFFALO

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Deliberate **SPILL REPORTED BY:** Citizen

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

DUMPING OIL BY RAILROAD TRACKS BEHIND BLDG

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
waste oil/used oil	Petroleum	0.00	0.00	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
K R K AUTO & BODY CENTER	140 CHANDLER STREET BUFFALO NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MNP"
03/25/93: 3/25/93 MNP INSP. MINOR SPILLAGE FROM OPERATIONS. NO FURTHER ACTION NEEDED, COMPLETE.

PIN **T & A** **COST CENTER**

CLASS: D6 **CLOSE DATE:** 03/25/1993 **MEETS STANDARDS:** True

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 9306631

SPILL NAME: NIAGARA LUBRICANT **DEC LEAD:** RMCROSSE

CALLER NAME: SIMON WU **NOTIFIER'S NAME:**

CLR'S AGENCY: NYSDEC **NOTIFIER'S AGENCY:**

CALLER'S PHONE: **NOTIFIER'S PHONE:**

SPILL DATE: 08/11/1993 **SPILL TIME:** 12:00 pm **DISPATCHER:**

CALL RECEIVED DATE: 08/30/1993 **RECEIVED TIME:** 12:00 pm

SPILL LOCATION

PLACE: NIAGARA LUBRICANT **COUNTY:** Erie

STREET: 164 CHANDLER STREET **TOWN/CITY:** Buffalo (c)

COMMUNITY: BUFFALO

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Housekeeping **SPILL REPORTED BY:** DEC

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

MR. WU REPORTS THAT SITE IS IN GENERAL NEED OF ATTENTION. ALSO TWO 5K TANK REMOVALS WITH CONTAMINATION

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
unknown petroleum	Petroleum	0.00 L	0.00 L	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
NIAGARA LUBRICANT	164 CHANDLER STREET BUFFALO NY 14207	(716) 874-2300

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RMC"
09/14/93: RMC/SITE OWNER NOT THERE. TO REINSPECT.

09/15/93: RMC/MCLEOD/PHONE RP HAS HIRED CONTRACTOR TO CLEANUP, TO INSPECT WHEN COMPLETE BY 10/30/93.

12/21/93: SAC/BILL GALLOWAY, ENV. SVCS. GROUP/TELECON - BEGAN EXCAVATING FOR CLOSING TANK IN-PLACE. FOUND CONTAMINATION. PROBLEM W/6 5K A/G TANKS ON CONCRETE PAD ON TOP OF TANK

DEC REGION: 9 **SPILL NUMBER:** 9306631

SPILL NAME: NIAGARA LUBRICANT **DEC LEAD:** RMCROSSE

THAT IS BEING CLOSED.

12/21/93: RMC/BILL GALLOWAY/SITE - GROSS CONTAMINATION NOTED IN EXCAVATION TO TOP OF TANK. R.P. TO ANALYZE COSTS OF REMOVAL VS. SUBSURFACE REMEDIATION. PLAN DUE BY 12/30/93.

01/03/94: RMC/BILL GALLOWAY/SITE - REMOVED GLYCOL AND FUEL OIL TANK THEY WERE PREVIOUSLY UNAWARE OF, TO REMOVE SACOND 5K TANK NEXT WEEK CALL DUE 1/30/94.

01/07/94: RMC/TOM DAY/SITE - ALL THREE TANKS REMOVED, COULD NOT DIG TO VISUAL CLEAN, RP TO INSTALL TANK PIT MONITORING WELL, PAPERWORK DUE 2/28/94.

01/07/94: RMC/TOM DAY/SITE - ALL THREE TANKS REMOVED, COULD NOT DIG TO VISUAL CLEAN, RP TO INSTALL TANK PIT MONITORING WELL, LETTER,PAPERWORK DUE 2/28/94.

03/08/94: RMC/TOM DAY/PHONE WORK ON HOLD DUE TO WEATHER, WASTE STREAM TO CONTINUE ON, INSPECT 4/15/94.

05/26/94: RMC/LETTER RESPONSE DUE 6/10/94.

06/30/94: RMC/NO RESPONSE LETTER, RESPONSE DUE 7/30/94.

07/08/94: RMC/LEON SMITH NIAGARA LUBE/PHONE WASTE STREAM DOING TESTING,FAXED 1/10/94 LETTER THAT RP MISS PLACED, RESULTS DUE 7/30/94.

07/27/94: RMC/RECEIVED RESULTS, "I" PER RNL UPON RECEIPT OF DISPOSAL DOCUMENTATION, DISPOSAL RECEIPT DUE 8/30/94.

10/13/94: RMC/DISPOSAL LETTER, RECEIPT DUE 10/30/94.

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 9306631

SPILL NAME: NIAGARA LUBRICANT **DEC LEAD:** RMCROSSE

04/03/95: RMC/RECEIVED DISPOSAL DOCUMENTATION FOR 80+ TONS, OK , INACTIVE.

PIN **T & A** **COST CENTER**

CLASS: B3 **CLOSE DATE:** 04/03/1995 **MEETS STANDARDS:** False

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 9800260

SPILL NAME: NIAGARA LUBRICANTS **DEC LEAD:** SACALAND

CALLER NAME: OMAR MAPPS **NOTIFIER'S NAME:**

CLR'S AGENCY: **NOTIFIER'S AGENCY:**

CALLER'S PHONE: (716) 875-4246 **NOTIFIER'S PHONE:**

SPILL DATE: 04/01/1998 **SPILL TIME:** 12:00 pm **DISPATCHER:**

CALL RECEIVED DATE: 04/01/1998 **RECEIVED TIME:** 10:00 am

SPILL LOCATION

PLACE: NIAGARA LUBRICANTS **COUNTY:** Erie

STREET: 164 CHANDLER STREET **TOWN/CITY:** Buffalo (c)

COMMUNITY: BUFFALO

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Housekeeping **SPILL REPORTED BY:** Citizen

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

CALLER CLAIMS THAT APPROXIMATELY 150 55 GALLON DRUMS OF MOSTLY WASTE OIL HAVE BEEN STORED IN BASEMENT FOR YEARS. MANY ARE LEAKING. ALSO, LEAKING ABOVE GROUND WASTER OIL TANKS.

(FORMERLY MJS FILE)

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
waste oil/used oil	Petroleum	0.00 G	0.00 G	Soil,
solvents	Other	0.00 G	0.00 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
NIAGARA LUBRICANTS	164 CHANDLER STREET BUFFALO NY 14207-	LEON SMITH (716) 874-2300

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAC"
04/09/98: MJS, RNL SITE INSPECT. MET WITH DENNIS RILEY(CHEMIST). ADVISED HIM OF COMPLAINT. FOUND OIL(APPROX 150 GALLONS TOTAL) PUDDLED ON BASEMENT FLOOR IN SEVERAL LOCATIONS. FOUND SEVERAL HUNDRED DRUMS IN BASEMENT, MANY LEAKING WITH SPEEDI DRI SPREAD AROUND THEM. MR RILEY STATED THAT MANY OF THE DRUMS ARE FROM A CLEANUP FROM THE PAST. DRUM LIDS ARE DATED 1993. ALSO FOUND HOPPERS FILLED WITH OIL AND WASTE. MJS ADVISED MR RILEY THAT THERE ARE MANY ISSUES THAT WILL HAVE TO BE DEALT WITH. HE STATED THAT WE SHOULD CONTACT TOM MCLEOD(VP) OR LEON SMITH(PRES).

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 9800260

SPILL NAME: NIAGARA LUBRICANTS **DEC LEAD:** SACALAND

8/7/01:JFO, SAC INSPECT SITE, MET W/LEON SMITH - PRESIDENT OF NIAGARA LUBRICANT, WENT INTO BASEMENT FOUND DRUMS OF PRODUCT AND HOME HEATING OIL TANKS ON THE FLOOR WHICH ARE APPARENTLY EMPTY, MR. SMITH SAID THEY FABRICATE LUBRICANTS AND THESE DRUMS ARE FILLED WITH OFF-SPEC PRODUCT IN WHICH SMALL AMOUNTS ARE MIXED INTO THE BATCHES WHEN MAKING NEW PRODUCT, THEY REUSE THE DRUMS SHELLS AND PROBABLY GO THROUGH THE OFF SPEC PRODUCT IN 4 TO 6 MONTH CYCLES, MR. SMITH SAID THE NUMBER OF DRUMS HAS BEEN REDUCED FROM A FEW YEARS AGO WHEN MOST OF THE BASEMENT WAS FILLED WITH DRUMS, THE FLOOR IS OIL STAINED AND RESIDUAL SPEEDI-DRY WAS OBSERVED ON THE FLOOR, EQUIPMENT IN THE BASEMENT HAD DRIP PANS UNDERNEATH THAT HAD PRODUCT FILLED IN THEM, MR. SMITH SAID THAT THE BUILDING WAS PART OF QUAKER STATE REFINING AT ONE TIME AND THAT THE FLOOR IS SEALED TO PREVENT SEEPAGE AND THAT THERE ARE NO FLOOR DRAINS IN THE BASEMENT PREVENTING ANY OFF-SITE MIGRATION, SAC DISCUSS SITE W/MARK HANS, DIV OF SOLID AND HAZARDOUS MATERIALS, MR. HANS WILL HAVE SOMEONE FROM HIS DVISION FOLLOW UP, NO FURTHER WORK BY SPILLS.

PIN **T & A** **COST CENTER**

CLASS: B3 **CLOSE DATE:** 08/07/2001 **MEETS STANDARDS:** False

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 9975094

SPILL NAME: NIAGARA LUBRICANTS **DEC LEAD:** SACALAND

CALLER NAME: PAUL SUOZZI **NOTIFIER'S NAME:**

CLR'S AGENCY: ENVIRONMENTAL SERVICE GRO **NOTIFIER'S AGENCY:**

CALLER'S PHONE: (716) 695-6720 **NOTIFIER'S PHONE:**

SPILL DATE: 05/04/1999 **SPILL TIME:** 12:00 pm **DISPATCHER:**

CALL RECEIVED DATE: 05/04/1999 **RECEIVED TIME:** 3:10 pm

SPILL LOCATION

PLACE: NIAGARA LUBRICANTS **COUNTY:** Erie

STREET: 164 CHANDLER STREET **TOWN/CITY:** Buffalo (c)

COMMUNITY: BUFFALO

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Tank Failure **SPILL REPORTED BY:** Affected Persons

FACILITY TYPE: Commercial Vehicle **WATERBODY:**

CALLER REMARKS:

VIRGIN MOTOR OIL SPILLED FROM DELIVERY TRUCK TO GROUND OUTSIDE BUILDING. ***(FORMERLY MJS FILE)***

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
motor oil	Petroleum	200.00 G	200.00 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
ARROW TRUCKING	ZZ	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAC"
05/04/99: MJS TOOK CALL FROM PAUL SUOZZI, ESG INC. THEY WILL PAD FREE PRODUCT AND SECURE FOR THE EVENING. THEY NEED TO EXCAVATE SOILS TO CLEAN SITE.

03/26/01: SAC ASSUMED SITE RESPONSIBILITY AS MJS LEFT DEPARTMENT, FOUND NO FILE FOR SITE

SAC TELECON DAVE MENDEL REGARDING RECORDS FOR THE SITE, HE BELIEVES THEY HAVE BEEN ARCHIVED AND HE WILL TRY TO LOCATE THEM.

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 9975094

SPILL NAME: NIAGARA LUBRICANTS **DEC LEAD:** SACALAND

04/10/01: SAC RECEIVED DISPOSAL RECEIPTS FOR 90 TONS OF MATERIAL.

PIN	T & A	COST CENTER

CLASS: B4 **CLOSE DATE:** 04/11/2001 **MEETS STANDARDS:** True

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 0175250

SPILL NAME: NIAGARA LUBRICANT **DEC LEAD:** JFOTTO

CALLER NAME: CITIZEN **NOTIFIER'S NAME:**

CLR'S AGENCY: ANONYMOUS **NOTIFIER'S AGENCY:**

CALLER'S PHONE: (000) - **NOTIFIER'S PHONE:**

SPILL DATE: 08/01/2001 **SPILL TIME:** 12:00 pm **DISPATCHER:**

CALL RECEIVED DATE: 08/07/2001 **RECEIVED TIME:** 2:20 pm

SPILL LOCATION

PLACE: NIAGARA LUBRICANT **COUNTY:** Erie

STREET: 142 CHANDLER **TOWN/CITY:** Buffalo (c)

COMMUNITY: BUFFALO

CONTACT: LEON SMITH (PRESIDENT) **CONTACT PHONE:** (716) 874-2300

CONT. FACTOR: Equipment Failure **SPILL REPORTED BY:** Citizen

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

COMPLAINANT SAYS THAT OILY SUBSTANCE IS SEEPING UP OUT OF THE GROUND IN THE DRIVEWAY AND THAT IT WASHES INTO THE SEWER WHEN IT RAINS. CLAIMS THERE IS A SIGNIFICANT AMOUNT SEEPING UP AND THAT COMPANY HAS A GRAVEL PILE SITTING RIGHT NEXT TO AFFECTED AREA AND CONTINUALLY COVERS IT UP.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
unknown petroleum	Petroleum	0.00 G	0.00 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
NIAGARA LUBRICANT	164 CHANDLER STREET BUFFALO NY 14207	LEON SMITH (716) 874-2300

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JFO"
08/07/01 JFO AND SAC ON SITE MET WITH LEON SMITH THE PRESIDENT OF THE COMPANY. HE HAD CALLED ENV SERVICE GROUP TO DO THE CLEANUP. IT WILL CONSIST OF DIGGING OUT THE DRIVEWAY BETWEEN 142 AND 146 CHANDLER ST. IT IS UNKNOWN HOW MUCH WAS SPILLED. ENV SRV GROUP WILL START THURSDAY. I WILL BE ON SITE FOR THE DIG.

08/08/01 JFO SENT TREATMENT LETTER TO MR SMITH.

08/10/01 JFO ON SITE MET WITH MIKE AND BOB LINHART BOTH OF ENV. SRV GROUP. THEY ARE DIGGING IN THE DRIVEWAY BETWEEN 142 AND 150. THEY HAVE UNCOVERED A LOT OF OIL. IT LOOKS LIKE

WASTE OIL AND HAS NO ODOR.

08/11/01 JFO ON SITE NO ONE AVAILABLE AND NO ACTIVITY.

08/13/01 JFO ON SITE MET WITH MIKE AND BOB. THEY ARE DIGGING TO CLAY (APPROX 3'). WHEN THEY DIG, PRODUCT APPEARS IN THE HOLE. THEY ARE STAGING SOIL IN THE BACK LOT OUTSIDE THE FENCE.

08/14/01 JFO ON SITE MET WITH MIKE, BOB AND DAVE MENDEL. THEY HAVE DUG SEVERAL CUTOFF TRENCHES. OIL APPEARS EVERYWHERE EXCEPT BY THE BACK FENCE. THEY ARE DEWATERING THE EXCAVATION USING A 10,000 GALLON TANK ALREADY ON SITE.

08/16/01 JFO ON SITE MET WITH MIKE OF ESG. HE IS STILL DIGGING. THE CLAY BOTTOM IN THE EXCAVATION IS STAINED. OIL IS STILL SEEPING IN THE SIDES OF THE EXCAVATION IN SOME AREAS. APPROX 200 TONS OF SOIL IS STAGED ON PLASTIC AND COVERED.

08/17/01 JFO AND FG ON SITE MET WITH BOB LINHART SR AND DAVE MENDEL OF ESG ALONG WITH TOM MCLEOD OF NIAGARA LUB TO DISCUSS THEIR OPTIONS. SEVERAL OPTIONS WERE RAISED.

1. THEY CAN KEEP DIGGING AND CONSULT AN ENV. ATTY.

2. THEY CAN LET US DO THE WORK USING THE SPILL FUND

3. THEY CAN CONTACT PENNZOIL/QUAKER STATE TO SEE IF THEY

   WILL ACCEPT RESPONSIBILITY.

BUT FIRST THEY MUST CHECK THEIR PURCHASE AGREEMENT TO SEE IF THEY BOUGHT THE TANKS AND ALL RESPONSIBILITY. TOM WILL CALL ME NEXT WEEK TO LET ME WHAT THEY WILL BE DOING. UNTIL THEN THEY WILL KEEP DIGGING AND STAGING THE SOIL. DAVE WILL CALL ME WHEN SECTIONS ARE COMPLETED AND READY FOR SAMPLING AND BACKFILLING.

08/29/01 JFO REC'D NOTIFICATION THAT THEY WILL BE REMOVING THE 20,000 GALLON ASPHALT TANK (UST) 8/31.

09/04/01 JFO ON SITE MET WITH MIKE. THE TANK HAS BEEN REMOVED. THE EXCAVATION LOOKS CLEAN. ALSO REC'D ANALYTICAL DATA (2 SAMPLES) INDICATING BENZO(a)PYRENE @ 167 PPB (61 PPB) IS THE ONLY COMPOUND OVER TAGMS.

09/05/01 JFO REC'D MORE ANALYTICAL RESULTS (2 SAMPLES) ALL BELOW TAGMS. I NEED A SKETCH OF THE SITE INDICATING WHERE THE SAMPLES WERE COLLECTED FROM.

09/10/01 JFO ON SITE THE SOUTH SIDE OF THE YARD HAS BEEN BACKFILLED. THE 20K GALLON ASPHALT TANK HAS BEEN CLEANED. THE ABOVEGROUND TANK (RAILROAD CAR) HAS BEEN CUT OPEN. IT CONTAINED TAR AND SCRAP WOOD.

JFO BACK TO SITE SEVERAL TIMES NO ACTIVITY.

10/31/01 JFO CALL TO DAVE MENDEL OF ESG. HE SAID NIAGARA LUB IS GOING TO CLOSE THE REMAINING ABOVEGROUND TANKS. THEY WILL CONTACT ESG WHEN THEY ARE DONE SO ESG CAN COMPLETE THE CLEANUP.

DEC REGION: 9 **SPILL NUMBER:** 0175250

SPILL NAME: NIAGARA LUBRICANT **DEC LEAD:** JFOTTO

JFO CALL TO MR MCLEOD. I LEFT A MESSAGE ON HIS V-MAIL FOR HIM TO CALL ME.

11/01/01 JFO TELCON WITH TOM MCLEOD. NIAGARA LUB WILL BE REMOVING THE TANKS SO THEY CAN SALVAGE SOME TANKS, VALVES AND OTHER EQUIPMENT. THEN ESG WILL BE ABLE TO FINISH CLEANUP. I TOLD MR MCLEOD THAT THE SOIL IN THE BACK OF THE BUILDING IS CONTAMINATED AND NEEDS TO BE REMOVED. HE WILL SEND IN A WORK PLAN ALONG WITH A SCHEDULE FOR THE WORK.

11/27/01 JFO CALL FROM JOHN BANASZAK AN ENGINEER FROM NIAGARA LUB. HE WILL BE SUBMITTING A WORK PLAN. I ALSO INFORMED HIM OF THE SOIL CONTAMINATION BEHIND THE BUILDING.

05/21/02 JFO SENT A LETTER TO MR MC LEOD REQUESTING DISPOSAL RECEIPTS AND A REMEDIATION PLAN BY MAY 31, 2002.

05/29/02 JFO CALL FROM BRIAN BOCKETTI ATTY FOR NIAG LUB. HE WANTS AN EXTENSION ON THE REMED PLAN. WE WILL EXTEND 30 DAYS. DUE DATE WILL BE JUNE 30. HE ALSO WANTS AN RP LETTER SENT TO THE PENNZOIL CO. DISCUSSED WITH SAC. WE WILL NOT SEND A LETTE
R TO PENNZOIL. CALLED BRIAN B TO INFORM HIM THERE WILL BE NO LETTER TO PENNZOIL. HE WILL SEND CONFIRMATION LETTER AND FOLLOW UP ON THE DISP RECEIPTS.

05/31/02 JFO REC'D CONFIRMATION LETTER. THEY WILL SUBMIT WORK PLAN FOR PHASE 2 OF THE REMEDIATION AND RECEIPTS FOR THE DISPOSED SOIL.

06/07/02 JFO REC'D DISPOSAL RECEIPTS FOR 1392 TONS OF CONTAMINATED SOIL.

07/05/02: JAA T/C BRIAN BOCKETTI, ATTY(853-5100) . LEFT MESSAGE TO CALL ME BACK. I WAS RETURNING HIS PHONE MESSGE OF JUL 1. HE WANTED PERMISSION TO BE LATE ON SOME INFO JFO REQUESTED.

07/05/02: JAA T/C BRIAN BOCKETTI. WORK PLAN NOT YET READY. CAN THEY GET EXTENSION UNTIL NEXT WEEK TO FINISH, SHOULD BE READY BY TUES. I SAID OK - MUST BE IN BY NEXT FRIDAY, AS JFO RETURNS ON 7/15.

09/24/02 JFO CALL TO MR BOCKETTI. HE SAID HE SENT THE WORK PLAN IN JULY CERTIFIED MAIL. I DID NOT RECEIVE IT. HE WILL FAX IT TODAY. THEY ARE TRYING TO RECOVER SOME MONEY FROM THE SPILL FUND AND ALSO TRYING TO GET QUAKER STATE (FORMER OWNER) TO HELP WITH THE CLEANUP.

02/07/03 JFO SENT LETTER REQUESTING A STATUS UPDATE BY MARCH 7.

10/30/03 JFO MEETING WITH ABBY SNYDER AND ATTY FOR PENNZOIL REGARDING A FUTURE DEPOSITION.

AS PER JOE HAUSBECK (DEC ATTY) THE DEPOSITION IS SCHEDULED FOR DECEMBER 11, 2003.

12/11/03 JFO WAS DIPOSED BY ATTYS FOR PENNZOIL AND NIAGARA LUB. ALSO, JOE HAUSBECK WAS PRESENT.

05/26/04 JFO CALL TO MR LEON SMITH FOR A STATUS UPDATE. LEFT A MESSAGE ON HIS MACHINE.

6/27/05 FG SITE INSPECTION 6/24/05 BECAUSE THE DEPT RECD A SPILL CALL THAT PETROLEUM WAS BEING SPILLED ON SITE FROM THE REMOVAL OF AST'S. UPON INSPECTION, TWO AST'S WERE BEING REMOVED FOR SCRAP. PETROLEUM CONTAMINATION WAS PRESENT IN THE AREA THE AST'S WERE

REMOVED FROM. FG TOLD NIAGARA LUBRICANT THAT REMEDIATION WOULD BE REQUIRED.

LEON SMITH WITH NIAGARA LUBRICANT 874-2300 CALLED AND SAID THAT THEY SETTLED THEIR LAWSUIT WITH SHELL AND WILL BE COMPLETING THE REMEDIATION IN THIS AREA. HE SAID IT IS AN EXISTING SPILL SITE.

07/01/05 JFO CALL TO MR LEON SMITH. I LEFT A MESSAGE FOR HIM TO CALL ME 7/5/05.

08/02/05 JFO RECEIVED THE ANALYTICAL FOR DISPOSAL. THE MATERIAL WILL BE GOING TO CHAFFEE LANDFILL. JFO CALLED LEON SMITH. HE IS WAITING FOR APPROVAL FROM THE LANDFILL. HE SAID THEY WILL BE DIGGING WITHIN 2 WEEKS AND HE WILL NOTIFY ME BEFORE THEY DIG.

08/19/05 JFO ON SITE NO ONE AVAILABLE. THE CONTAMINATED SOIL HAS BEEN DUGOUT. THERE IS STILL AFFECTED SOIL IN THE EXCAVATION. WILL VISIT SITE MONDAY.

08/22/05 JFO ON SITE WITH OPERATOR AND TRUCK DRIVER. THEY ARE DIGGING THE NORTH WALL AND HAVE CLEANED UP THE OTHER PARTS OF THE EXCAVATION. THEY ARE DOWN TO CLAY ON THE FLOOR AND ALL AROUND THE EXCAV IS A CONCRETE FOOTER. THERE IS POSSIBLY ANOTHER TANK ON THE OTHER SIDE OF THE CONCRETE FOOTER ON THE WEST SIDE OF THE EXCAV.

08/24/05 JFO ON SITE MET WITH CONTRACTOR SAM DELMONTE AND LEON SMITH. THEY REMOVED THE TANK (RIVETED approx 6K) AND THE HOLE IS OILY. THEY WILL NEED TO PUMP OUT OILY WATER AND REMOVE MORE SOIL.

08/29/05 JFO ON SITE NO ONE AVAILABLE. THE MAIN EXCAVATION LOOKS OK THERE IS STANDING RAIN WATER WITH NO SHEEN. THE TANK EXCAVATION IS NOT PUMPED OUT AND HAS A LAYER OF BLACK OIL ON IT. ALSO THE TANK IS NOT CLEANED.

09/06/05 JFO ON SITE MET WITH LEON SMITH. THEY WILL BE PADDING UP THE OIL ON THE WATER IN THE TANK EXCAVATION. THEY WILL SCHEDULE SAMPLING AND WILL LET ME KNOW WHEN.

09/08/05 JFO CALL FROM KEVIN WITH NIA LUB. THEY WILL BE SAMPLING TODAY. I WILL VISIT SITE AT 10:30.
JFO ON SITE MET WITH KEVIN AND SAMPLERS FROM WASTE STREAM. THEY COLLECTED 5 SAMPLES FROM THE DEEP PIT (TANK) AND 6 SAMPLES FROM THE SHALLOW EXCAVATION. THERE IS STILL SOME CONTAMINATED MATERIAL FROM THE SOUTH OF THE PITS TO THE BACKFILL OF THE ORIGINAL EXCAVATION (ABOUT 15' X 3').

09/13/05 JFO RECEIVED THE SAMPLE RESULTS FROM THE TANK PIT (DEEP PIT). VOC'S ARE BELOW TAGMS AND SOME SVOC'S ARE SLIGHTLY ABOVE TAGMS. DISCUSSED WITH FG AND W
E AGREED THAT BECAUSE THERE IS NO SHEEN AND NO ODORS ON THE RAINWATER IN THE PIT, THIS CAN BE INACTIVE. NEED SAMPLE RESULTS FROM THE OTHER EXCAVATION. ALSO MORE EXCAVATION IS NECESSARY TO THE SOUTH OF THE PITS. I MADE A CALL TO NIA LUB TO INFORM THEM OF THIS.

09/15/05 JFO RECEIVED THE ANALYTICAL RESULTS FROM THE OTHER EXCAVATION. AGAIN THE RESULTS OF THE SVOC'S ARE SLIGHTLY >TAGMS. ALSO INACTIVE STATUS FOR THIS AREA.

09/16/05 JFO CALL FROM KEVIN, HE SAID THE SOUTH AREA HAS BEEN DUG TO CLEAN. I WILL INSPECT TODAY. POSSIBLE SAMPLING MONDAY.
JFO ON SITE, THE FINAL AREA HAS BEEN DUG OUT. THEY CAN SAMPLE NEXT WEEK.

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 0175250

SPILL NAME: NIAGARA LUBRICANT **DEC LEAD:** JFOTTO

09/22/05 JFO ON SITE MET WITH DAN FROM WASTESTREAM. BECAUSE THE HOLE IS ONLY 3' X 3' HE WILL COLLECT 1 BOTTOM SAMPLE AND ANALYZE FOR 8260 AND 8270 STARS. RESULTS TO FOLLOW.

10/12/05 JFO RECEIVED THE SAMPLE RESULTS FROM NIAGARA LUB. ALL COMPOUNDS ARE NON DETECT FOR THE 8260. THE 8270 HAVE SEVERAL COMPOUNDS SLIGHTLY ABOVE TAGMS. THIS SITE WILL BE INACTIVE WHEN WE RECEIVE THE DISPOSAL RECEIPTS. I WILL CALL KEVIN FOR THE RECEIPTS.

10/13/05 JFO CALLED KEVIN HE WILL LET LEON SMITH KNOW. THEY WILL GET EVERYTHING TOGETHER AND SUBMIT IT.

10/24/05 JFO RECEIVED THE DISPOSAL RECEIPTS FOR 30 LOADS OF CONTAMINATED SOIL (674.69 TONS). NO FURTHER ACTION REQUIRED AT THIS TIME. THIS SITE WILL BE INACTIVE. CLOSURE LTR ATTACHED

CLOSED

PIN **T & A** **COST CENTER**

CLASS: C3 **CLOSE DATE:** 11/01/2005 **MEETS STANDARDS:** False

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 0502890

SPILL NAME: VACANT FIELD **DEC LEAD:** RJJONAK

CALLER NAME: DISPATCHER JONES **NOTIFIER'S NAME:** DISPATCHER JONES

CLR'S AGENCY: BUFFALO FIRE DISPATCH **NOTIFIER'S AGENCY:** BUFFALO FIRE DISPATCH

CALLER'S PHONE: (716) 851-5510 **NOTIFIER'S PHONE:** (716) 851-5510

SPILL DATE: 06/09/2005 **SPILL TIME:** 5:30 pm **DISPATCHER:**

CALL RECEIVED DATE: 06/09/2005 **RECEIVED TIME:** 6:04 pm

SPILL LOCATION

PLACE: VACANT FIELD **COUNTY:** Erie

STREET: 140 CHANDLER ST **TOWN/CITY:** Buffalo (c)

COMMUNITY: BUFFALO

CONTACT: DISPATCHER JONES **CONTACT PHONE:** (716) 851-5510

CONT. FACTOR: Deliberate **SPILL REPORTED BY:** Fire Department

FACILITY TYPE: Unknown **WATERBODY:**

CALLER REMARKS:

45 FIVE GALLON TANK THAT WERE DROPPED OFF INTO THE FIELD.SOME ARE LEAKING. THIS WAS AN OLD HAZMAT SITE THAT WAS BURNED DOWN. THERE IS NO HAZMAT HAZZARD FROM THE CHEMICALS WERE THERE.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
cooking oil	Other		0.00 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
UNKNOWN WHERE IT IS FROM	UNKNOWN UNKNOWN ZZ	UNKNOWN

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

6/10/2005: THIS SPILL IS THE SAME SPILL AS SPILL # 0550414...REFER TO THAT SPILL FOR ANY INFORMATION...THIS SPILL CLOSED OUT.

***** NOTE,COMPUTER FILE ONLY *****

PIN **T & A** **COST CENTER**

CLASS: D3 **CLOSE DATE:** 06/10/2005 **MEETS STANDARDS:** True

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 1104059

SPILL NAME: BUILDING FIRE **DEC LEAD:** TDJOHNSO

CALLER NAME: NELSON RIOLLANO **NOTIFIER'S NAME:** NELSON RIOLLANO

CLR'S AGENCY: BUFFALO FIRE DEPT. **NOTIFIER'S AGENCY:** BUFFALO FIRE DEPT.

CALLER'S PHONE: (716) 851-5510 **NOTIFIER'S PHONE:** (716) 851-5510

SPILL DATE: 07/13/2011 **SPILL TIME:** 5:42 am **DISPATCHER:**

CALL RECEIVED DATE: 07/13/2011 **RECEIVED TIME:** 6:36 am BPLATTAN

SPILL LOCATION

PLACE: BUILDING FIRE **COUNTY:** Erie

STREET: 164 CHANDLER ST **TOWN/CITY:** Buffalo (c)

COMMUNITY: BUFFALO

CONTACT: TOM FITZPATRICK **CONTACT PHONE:** (716) 846-9278

CONT. FACTOR: Unknown **SPILL REPORTED BY:** Fire Department

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

There is a ongoing fire at this location, inside there are several drums of unknown solvents.

0835- Caller reporting a spill of Lube oil to Railroad Ballest. Caller is Edward Cooke. 904-607-2099.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
other - Unknown Solvents	Other			

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
NIAGARA LUBRICANT	164 CHANDLER ST BUFFALO NY	LEON SMITH (716) 818-3404

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

07/13/11 TDJ 6:45AM WENT TO LOCATION WHERE FIRE IN A THREE STORY PETROLEUM PRODUCTION FACILITY WAS BEING FOUGHT. FIREFIGHTERS WERE FIGHTING IT FROM THE EXTERIOR DUE TO THE TANKS, DRUMS AND PETROLEUM PRODUCTS STORED THROUGHOUT AND HOW QUICKLY IT SPREAD. AS THE FIRE PROGRESSED TO ALL FLOORS FOAM WAS BROUGHT ONSITE FROM THE AIRPORT AND AIRFORCE BASE TO SUPPRESS THE FLAMES. A FLOW OF PETROLEUM BEGAN FLOWING ON THE WATER AND FOAM SOLUTION BEHIND THE FACILITY ON THE CSX RAIL LINE ACCESS ROAD. MIKE BETHGE OF CSX CONTACTED OP-TECH TO BRING A CREW TO CONTAIN AND REMOVE OILY WATER FROM THE RAIL LINE DURING THE FIRE. AS WATER/FOAM SOLUTION BEGAN TO FLOW DOWN CHANDLER STREET MIKE DIRECTED OP-TECH TO PLACE BOOMS AND PADS UNDER CSX CONTRACT. 1145AM FIREFIGHTERS BREAK FOR FOOD/WATER AS FIRE CONTINUES TO REKINDLE EVERY CHANCE SUPPRESSANT IS NOT ADDED. HEAVY BLACK SMOKE IN AIR. OILY WATER ON CHANDLER IS BEING CONTAINED BY PADS AND

DEC REGION: 9 **SPILL NUMBER:** 1104059

SPILL NAME: BUILDING FIRE **DEC LEAD:** TDJOHNSO

BOOMS BUT RESIDUAL IS REACHING COMBINED BUFFALO SEWER SYSTEM. WASTEWATER REPS. WERE CONTACTED AND STATED THEY COULD TAKE ANY MATERIAL IN FLOW. VAC TRUCK AND FRAC TANK ONSITE COLLECTING PETROLEUM ALONG CSX PROPERTY. APPROX. 3:00 PM SIDE LOADING DOCK COLLAPSED FROM FIRE DAMAGE. FIRE BURNING ON ALL FLOORS. FLOW ON STREET INCREASED WITH ADDITIONAL LADDER TRUCK WATER USE.
APPROX 5:00 ROOF COLLAPSE CAUSES BRICK TO FALL ON POWER LINES CAUSING X-FORMER TO COLLAPSE TO STREET SPILLING FLUID. EXTRA PADS AROUND THAT AREA. EXPLOSIONS HEARD INSIDE FROM TANKS OR DRUMS. APPROX. 8:00PM FIRE IS STARTING TO BE CONTAINED. THREE LADDER TRUCKS ADD CONSTANT WATER TO THIRD AND SECOND FLOOR TO STOP HOT SPOTS. WATER INCREASES TO FLOW DOWN ENTIRE STREET TO FIRST SIDE STREET. PADS FLOWING WITH PRESSURE AND BEING CAUGHT IN STORM DRAINS. I BEGAN CLEARING PADS ONCE FLOW WAS DOWN TO MILITARY AVE.
APPROX 11:00PM MINIMAL WATER ADDING TO BUILDING. LEFT SITE.

7/14/11 FG ON SITE WITH TDJ. FIRE IS OUT. ATF AND BUFFALO FIRE ARE IN CHARGE OF THE SCENE. SOME WALLS AND ALL WINDOWS OF THE BRICK NIAGARA LUBICANT STRUCTURE ARE DOWN. ONLY THE SUPPORTING STRUCTURE AND THE FLOORS REMAIN. OIL IS PRESENT ON THE STREETS, AND SURROUNDING THE BUILDING AND ALONG THE RAILROAD BEHIND THE BUILDING.

FG SPOKE WITH MIKE BETHGE WITH CSX. HE HAS OP TECH ON SITE CONDUCTING A CLEANUP OF THE RUNOFF FROM THE FIRE ONTO THE RAILROAD RIGHT OF WAY. FG TOLD MR. BETHGE THAT HE DID NOT HAVE TO COMPLETE THIS WORK AND THE NYSDEC WOULD COMPLETE IT. HE SAID THE RAILROAD UNDERSTOOD AND WANTED TO COMPLETE THE WORK WITH THEIR CONTRACTORS.

WHILE COMPLETING A WALKOVER OF THE SITE WITH TDJ, THE SOLES OF FG'S WORK BOOTS DEGRADED AND WERE COMPLETELY GONE IN AREAS BECAUSE OF THE OIL/PRODUCTS RELEASED FROM THE BUILDING AND ON THE GROUND OUTSIDE THE BUILDING.

EPSVT ON SITE FOR THE INSURANCE COMPANIES. THEY WERE OBSERVING THE ACTIVITY ON SITE FOR THEIR CLIENT WHO DID NOT AUTHORIZE THEM TO COMPLETE ANY WORK.

FG SPOKE TO LEON SMITH, OWNER AND OPERATOR OF NIAGARA LUBRICANTS. HE SAID HE HASN'T BEEN ALLOWED IN THE BUILDING BECAUSE THE ATF AND BUFFALO FIRE WON'T LET HIM IN. THE SITE IS STILL A CRIME SCENE.

AT 2:30 PM, FG & TDJ PARTICIPATED IN AN ONSITE MTG WITH ALL PARTIES INCLUDING ATF, CSX, NYSDEC, LEON SMITH AND HIS INSURANCE COMPANY. MR. SMITH SAID HE WOULD CONDUCT THE CLEANUP AND WANTED TO PUT THE FLUIDS IN THE BASEMENT INTO THE EXISTING TANKS IN THE BASEMENT. THE INSURANCE COMPANIES SAID THEY WOULD HIRE A STRUCTURAL ENGINEER TO DETERMINE IF IT WAS SAFE TO ENTER THE BUILDING.

7/16/11 FG SITE INSPECTION WITH TDJ. MET KEITH GLENN WITH THE USEPA WHO WAS CALLED ON SCENE BY THE DEPARTMENT. THE ENTIRE AREA WAS INSPECTED. BSA OPENED MANHOLES AND PRODUCT WAS EVIDENT. FROM THE BUILDING HEADING WEST, PRODUCT WAS FOUND IN THE SEWERS AND AN ACTIVE FLOW. AT A MANHOLE UPGRADIENT, NO PRODUCT WAS PRESENT AND A SLUGGISH FLOW. FG REFERRED MR. GLENN TO CSX, LEON SMITH, BSA AND A CURRENT EMPLOYEE. THE CORNELIUS CREEK COMBINED SEWER OVERFLOW AT THE FOOT OF ONTARIO STREET
WAS INSPECTED AND A SHEEN WAS PRESENT. THE SEWER ON CHANDLER IS COMBINED AND DURING A HIGH WATER EVENT FLOWS TO THE CORNELIUS CREEK CSO.

7/19/11 FG SITE INSPECTION WITH TDJ. MET KEITH GLENN WITH USEPA, LEON SMITH, OWNER, KEVIN CROSS - ATTORNEY, RANDY RAKOCZINSKI - ENGINEER BARTON & LOGUIDICE HIRED BY MR. SMITH,

ARCADIS WAS ALSO ON SITE FOR CSX.
MR. GLENN CONFIRMED THAT THE USEPA HAS TAKEN THE OVERSIGHT OF THE ENVIRONMENTAL REMEDIATION OVER AND WILL CONTINUE UNTIL THE WORK IS COMPLETE. BSA AGREED TO INSERT PLUG AT INTERSECTION OF BUIDING BASEMENT LINE AND STREET MAIN LINE.

7/21/11 TDJ MET CARL PELLEGRINO WITH EPA WHO TRANSFERRED LEAD TO KELLI LUCARINA. WALKED SITE WHERE BOOMS AND FENCING HAS BEEN PLACED TO COLLECT RUNNOFF AND SUPPLY SECURITY. LEAKING OF PETROLEUM CONTINUES DOWN WALLS WITH HEAT OF DAY. BUFFALO SEWER CHECKED PLUG PLACED IN LINE TO INSURE SEAL. PLUG IS WORKING AND LINE CAN NOW BE FLUSHED.

7/22/11 TDJ RANDY RACKOCZYNSKI OF B&L CONTACTED ME SAYING OP-TECH IS NO LONGER LEAD CONTRACTOR FOR JOB DUE TO CONFLICT OF INTEREST WITH CSX RAIL CLEANUP. NEW CONTRACTOR WILL BE IN PLACE WITHIN A DAY.

7/25/11 TDJ RANDY (B&L) WAS ONSITE WITH PARAGON, WHO ARE THE COMPANY INVOLVED NOW WITH THE CONTINUED WORK ONSITE. SEWER LINE CLEANING AND SILT FENCE INSTALLATION WAS TO BE COMPLETED.

7/26/11 TDJ RECEIVED WORK PLAN FOR THE NEXT PHASE OF THE BUILDING ENTRY AND MATERIAL REMOVAL. THE DEMOLITION PROJECT WORK PLAN WILL BE SUPPLIED BY THE CONTRACTOR PICKED FOR THE JOB. LINE WAS FLUSHED AND SILT FENCING WAS COMPETED. ALL CONTAMINATED FIREHOSE PLACED INTO ROLLOFF. STREETS CLEANED AND AFFECTED SOILS ALONG SIDE STREET SCRAPED.

8/22/11 TDJ SENT CALL OUT PIN # TO OP-TECH , KEVIN CANNON FOR STREET PAD AND BOOM REMOVAL PERFORMED BEFORE AGREEMENT WITH OWNER AND INSURANCE COMPANY WAS COMPLETE.

8/26/11 TDJ CONTACTED FEDERATED INSURANCE, ROB DOOLEY (404)242-6403 REGARDING PAYMENT OF OP-TECH FOR INITIAL CLEANUP WORK. ROB CLAIMS THAT ALL MONIES FROM THE INSURANCE COMPANY HAVE BEEN EXHAUSTED. WILL LET OP-TECH SUBMIT BILL TO ALBANY FOR PAYMENT AND PUT IN FOR REIMBURSMENT VIA THE AG'S OFFICE. ALSO SPOKE WITH RANDY AT B&L WHO STATED THAT SAFETY KLEEN HAS BEEN ONSITE TWICE TO GIVE QUOTE FOR PETROLEUM REMOVAL. WORK SHOULD BEGIN THE WEEK OF 8/29.

9/12/11 TDJ SPILL CAME ACROSS DURING NIGHT INVOLVING VANDALISM OF FRAC TANK HOLDING WASTE FROM FIRE STORED OFF SITE ON CHANDLER STREET. SPILL WAS MAINLY WATER AND WAS CONTAINED BY OP-TECH. CONTACTED LEON SMITH ABOUT HOLD UP ON DISPOSAL OF TANKS OF WATER/OIL AND CONTAMINATED SOIL. HE STATED THAT CSX IS HOLDING UP DISPOSAL OF MATERIAL TAKEN OFF OF THERE PROPERTY FOR SOME REASON. THEN CONTACTED KEITH GLENN OF EPA WHO KNEW OF THE EVENT AND HAD CONTACTED CSX WHO STATED THAT NIAGARA LUBRICANT IS BEING THE CAUSE OF THE DELAY. KEITH WILL GET INFO WITHIN A FEW DAYS ON EPA'S ABILITY TO CONTROL THE MOVEMENT OF THE MATERIAL AND THE SLOW REMOVAL OF WASTE AT BUILDING AND DEMOLITION.

09/19/11 TDJ WENT TO LOCATION WHERE OP-TECH HAS CLEANED UP AND REMOVED E-TANK CLEAN FILL AND STONE PLACED ON SPILL AREA. CSX WILL BEGIN REMOVING REMAINING ROLLOFF CONTAINERS WITH THE SOIL FROM THE RAILROAD R.O.W AREA.

9/27/11 TDJ WENT TO LOCATION WHERE APOLLO DEMOLITION HAS BEGAN REMOVAL OF SCRAP STEEL FROM LOADING DOCK AREA. CONTAMINATED SOIL, CONCRETE AND PLASTICS WERE PLACED FOR LANDFILL DISPOSAL. WATER CANNON IS ONSITE TO KEEP MATERIAL WET. ALSO HAVE AIR MONITORING EQUIPMENT IN PLACE BY B&L CONSULTANTS.

DEC REGION: 9 **SPILL NUMBER:** 1104059

SPILL NAME: BUILDING FIRE **DEC LEAD:** TDJOHNSO

9/28/11 TDJ REMOVAL OF STEEL FROM SITE BEGAN. PILE IN LODING DOCK AREA TOTALLY SEGREGATED FOR DISPOSAL. OILY MATERIAL WILL BE LOADED INTO LINED TRUCKS.

9/29/11 TDJ BUILDING DEMOLISION BEGAN EXPOSING MIDDLE OF UPPER AND SECOND FLOOR. MANY 55-GALLON DRUMS WERE SEEN ON SECOND FLOOR. ASKED EXCAVATOR OPERATOR IF DRUMS WERE FULL WHICH HE RESPONDED YES. MATERIAL WILL MOST LIKELY END UP IN BASEMENT FOR PUMPING IF SPILLED. MACHINE BROKE DOWN STOPPING WORK FOR DAY AT
11:00.

9/30/11 TDJ REAR OF BUILDING WAS ALMOST COMPLETELY DOWN. HEAVY RAIN MOST OF DAY KEPT DUST DOWN. SOMETHING PUT INTO SCRAP DUMPSTER LEAKED APPROX. 10 GALLONS OF OIL OUT OF DUMPSTER. PADS AND BOOMS USED TO CLEAN UP. MATERIAL TAKEN OUT AND ROLL OFF CLEANED OUT. INDUSTRIAL SERVICES WILL BE IN MONDAY TO CLEAN TANKS BEFORE SCRAPING.

10/07/11 TDJ WENT TO THE DEMOLITION SITE DURIN WEEK AND WATCH FINAL SECTION OF WALLS COME DOWN TODAY. STEEL HAS BEEN TAKEN AWAY FOR SCRAP AND A PILE OF DEMOLITION MATERIAL IS ALMOST READY TO MOVE OFFSITE. MINIMAL SPILLAGE WAS OBSERVED DURING THE BUILDING COLLAPSE AND WOULD HAVE BEEN CONTAINED IN THE BASEMENT. ONCE DEMO MATERIAL IS REMOVED THE BASEMENT WILL BE PUMPED AGAIN.

10/19/11 TDJ TRUCKS BEGAN REMOVING RUBBLE FROM SITE TO MODERN LANDFILL. MISTY RAIN AND SPRAY CANNON IS KEEPING DUST MINIMIZED. MOST OF STEEL HAS BEEN REMOVED. ALL ROLLOFFS FROM CSX SITE WORK HAVE BEEN DISPOSED OF.

10/24/11 TDJ WAS CONTACTED BY DIANA HARE WHO STATED THAT MODERN LANDFILL HAD STOPPED LOADS BECAUSE TOTAL WEIGHT LIMIT HAD BEEN ACHEIVED FOR PROPOSAL. AN ADDITIONAL APPROX 30 TRUCK LOADS OF THE SAME MATERIAL IS LEFT ONSITE. MODERN WILL DECIDE IF ADDITIONAL ANALYSIS IS REQUIRED FOR THE REMAINING LOADS.

10/27/11 TDJ LOADS OF DEBRIS HAS STOPPED AS COMPLETION OF DEMOLITION IS ALMOST COMPLTETE. SCRAP STEEL HAS A COUPLE LOADS REMAINING. BASEMENT IS BEING SCRAPED AND POWER WASHED. LARGE PILE OF SIDE WALL AND CLEAN DEBRIS IS STAGED NEAR EDGE OF BASEMENT TO POSSIBLY BE USED TO PARTIALLY FILL BASEMENT. SAMPLES HAVE BEEN TAKEN TO ENSURE PETROLEUM IS NOT CONTAINED IN STAGED PILE. BASEMENT IS INTACT AND APEARS TO NOT HAVE LET LIQUIDS RELEASE TO UNDER THE SLAB.

11/15/11 TDJ WENT TO SITE TO SEE BASEMENT HAS BEEN FILLED AND THE SURFACE HAS BEEN LEVELED WITH LARGER STONE. E-TANKS WERE BEING TAKEN AWAY. CARL PELLEGRINO FROM EPA WILL BE ONSITE THIS WEEK TO GIVE FINAL APPROVAL FOR COMPLETION.

11/17/11 TDJ MET CARL PELLEGRINO, USEPA AND BILL DOEBLER, B&L FOR FINAL SITE WALK. CRUSHED BRICK, CONCRETE AND STONE WAS USED AS FINAL COVER FOR THE ENTIRE BUILDING AREA COVERED. ALL CONTAMINATED MATERIAL HAS BEEN DISPOSED AND METAL SCRAP REMOVED. NO SHEEN WAS OBSERVED IN THE COLLECTION POINT USED FOR SITE WATER IN THE REAR OF THE PROPERTY. RECENT HEAVY RAIN FLOWED OVER THE SITE. AWAITING DISPOSAL RECEIPTS INCLUDING CSX WORK FOR ALL OFFSITE DISPOSAL TO CLOSE SITE

04/24/12 TDJ MET CARL PELLIGRINO AND CHERYL GREEN/LIPPES ATTORNEY AT SITE TO DETERMINE IF ANY PRODUCT OR PETROLEUM WASTE WAS LEFT IF TWO BUILDINGS LEFT AT SITE. WE WALKED THROUGH BOTH AND FOUND NO STORED MATERIALS. A FEW LARGE MIXING TANKS WERE PRESENT BUT EMPTY. TALKS HAVE BEGUN FOR POSSIBLE REUSE OF SITE FOR NEW FACILITY BUT NO DETAILS HAVE

DEC REGION: 9 **SPILL NUMBER:** 1104059

SPILL NAME: BUILDING FIRE **DEC LEAD:** TDJOHNSO

BEEN PRESENTED. CARL IS GOING TO GIVE FINAL CLOSURE TO EPA INVOLVEMENT AT SITE.

05/21/12 TDJ RECEIVED DISPOSAL RECEIPT FROM SAFETY KLEEN FOR REMOVAL OF OILY WATER, OIL FROM TANKS, AND WASH WATER FROM STEAM CLEANING BASEMENT.

05/30/12 TDJ PUT ALL INFO TOGETHER AND CLOSED OUT FILE.

09/18/12 TDJ MIXUP OF SPILL NUMBERS SHOWS THE PAY PACKAGES BEING PAID THROUGH SPILL# 1104100. THE INFORMATION WAS CHANGED AND PAY PACKAGES WERE PUT BACK ONTO THIS SPILL BUT EDOCS INFO SHOWS IT STILL ON THE 1104100 #.

NO FURTHER ACTION
FILE CLOSED

PIN	T & A	COST CENTER
H1135		

CLASS: **CLOSE DATE:** 05/30/2012 **MEETS STANDARDS:** False

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 1104100

SPILL NAME: SOIL **DEC LEAD:** TDJOHNSO

CALLER NAME: DAVID MELONSON **NOTIFIER'S NAME:** DAVID MELONSON

CLR'S AGENCY: NATIONAL GRID **NOTIFIER'S AGENCY:** NATIONAL GRID

CALLER'S PHONE: (716) 831-7325 **NOTIFIER'S PHONE:** (716) 831-7325

SPILL DATE: 07/13/2011 **SPILL TIME:** 9:40 pm **DISPATCHER:**

CALL RECEIVED DATE: 07/13/2011 **RECEIVED TIME:** 9:57 pm BMDAGG

SPILL LOCATION

PLACE: SOIL **COUNTY:** Erie

STREET: 152 CHANDLER ST **TOWN/CITY:** Buffalo (c)

COMMUNITY: BUFFALO

CONTACT: LISA MONTESANO **CONTACT PHONE:** (716) 479-5339

CONT. FACTOR: Equipment Failure **SPILL REPORTED BY:** Other

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

Caller advised 20 gallons of fluid spilled onto pavement mixed with water from the fire in the area. Clean up is pending.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
dielectric fluid	Petroleum	20.00 G		Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
NATIONAL GRID	NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

07/13/11 TDJ WENT TO LOCATION WHERE FIRE IN PETROLEUM PRODUCT FACILITY WAS BEING FOUGHT FROM THE EXTERIOR DUE TO TANKS, DRUMS AND PETROLEUM PRODUCTS THROUGHOUT THE FACILITY. THE FIRE HAD SPREAD TO EVERY FLOOR ON THE THREE FLOOR BUILDING CAUSING THE FIRE DEPARTMENT TO CALL OUT A 7 ALARM CONDITION.. ACCORDING TO THE PLAN SET ON THE COMMAND POST THE THIRD FLOOR HELD CARDBOARD PRODUCTS, THE SECOND FLOOR CONTAINED SOLVENTS AND THE FIRST FLOOR HELD PETROLEUM MATERIALS. AS THE WATER FROM THE FIRE DEPARTMENT BECAME MORE INTENSE A FLOW OF WATER/OIL BEGAN FLOWING OUT THE REAR OF THE FACILITY ONTO CSX RAIL RIGHT OF WAY UP TO THE BALLAST MATERIAL ALONG THE RAIL LINES. MIKE BETHGE OF CSX PUBLIC SAFETY DIVISION CALLED OUT OP-TECH TO PROTECT THE RAIL LINES. BOOMS AND PADS WERE PLACED ALONG THE BALLAST AND A VAC TRUCK WAS USED TO COLLECT PONDED OILY WATER INTO A FRAC TANK BROUGHT ONSITE. I SPOKE WITH MIKE AND HE ALLOWED OP-TECH TO USE THEIR BOOMS AND PADS ON CHANDLER STREET WHEN THE OILY WATER BEGAN TO FLOW DOWN THE STREET AND INTO COMBINED SEWER LINES. THIS CONTINUED EFFECTIVELY AS THE FIRE WAS FOUGHT WITH FOAM

SUPPRESENT. ONCE THE FIRE WAS FOUGHT WITH ONLY WATER APPROXIMATELY 10 HOURS IN BOOMS AND PADS WERE BEING BY-PASSED WITH THE EXCESSIVE STREET FLOW. THE WATER FLOW BEGAN PUSHING OUT OF A MANHOLE ON AN ADJACENT VACANT INDUSTRIAL ENTRANCE USED BY CONTRACTING COMPANIES. THE FIRE WHICH BEGAN AT APPROX. 6:00AM WAS CONTAINED AT APPROX, 11:00 PM.

07/14/11 TDJ FIRE AT NIAGARA LUBRICANTS CAUSED FRONT SECTION OF BRICK TO FALL ON POWER LINES SNAPPING A POLE WITH TRANSFORMER. UNIT FELL TO STREET CAUSING SPILL INTO RUNNOFF FIREFIGHTING WATER. UNKNOWN AMOUNT LOST AS UNIT HAS NOT BEEN CLEANED UP AS OF YET. BOOMS AND PADS WERE PLACED ON STREET TO COLLECT OIL FROM FACTORY IN RUNNOFF WATER. STREETS AROUND BLOCK HAD A FILM OF OIL MAINLY ALONG EDGES BUT ALSO WAS TO CENTER NEARER THE FACILITY. PONDED OILY MATERIAL REMAINED ALONG THE CSX TRACKS AND BEHIND FACILITY. PLANS WERE BEING FORMED FOR OP-TECH TO CONTINUE COLLECTING LIQUID AND TO ADDRESS CONTAMINATED BALLAST AND SOIL ALONG 50' WIDTH OF CSX RIGHT OF WAY. AS IT TURNED OUT THE 50' WAS ALMOST TO THE BACK OF THE FACILITY. ATF AGENTS TOOK OVER THE SITE FROM FIRE DEPARTMENT AND HAD BUFFALO POLICE HOLD SECURITY ON THE STREET. A MEETING WAS HELD WITH OWNER LEON SMITH, NFA INS.,BUFFALO FIRE CHIEF, MIKE BETHAGE, CXS AND SEVERAL POTENTIAL CONTRACTORS. MEETING WAS TO DISCUSS SITE CONDITIONS, ATF ENTRY FOR CRIMINAL EVIDENCE, LIABILITY OF OWNER, AND DEC CONCERNS FOR SITE AND WORK BEHIND THE FACILITY TO SAVE THE INTEGRITY OF THE RAIL LINE. NO CLEANUP WORK WAS SET FROM THE COMPANY SO I HAD OP-TECH DO SOME ADDITION TEMPORARY PREVENTATIVE WORK THROUGH CSX WHICH WAS AGEED UPON BY MIKE.

7/15/11 TDJ ARCADIS OF NEW YORK WAS CONTRACTED BY CSX TO OVERSEE AND SAMPLE RAIL LINE. OP-TECH WAS PERFORMING WORK UNDER THEIR DIRECTION. CLEANUP BEHIND FACILITY TO REMOVE CONTAMINATED SOIL UP TO A POINT WHERE ATF AGENTS SET THEIR LIMITS FOR ENTRY. DEC DECIDED TO BRING EPA REGION 2 REP. KEITH GLENN COME TO SITE FOR ASISTANCE.

07/19/11 TDJ MET KEITH GLEN AND CARL PALLEGRINO (EPA) AT LOCATION TO TAKE SITE WALK WITH OWNER AND ATTORNEY. B&L CONSULTANTS WERE ALSO ONSITE WITH OWNER FOR POSSIBLE SITE WORK. BUFFALO SEWER AUTHORITY ARRIVED FOR LOOK INTO COMBINED SEWER WITH MOBILE CAMERA. BOOM REMOVED FROM SEWER LINE IN FRONT OF BURNED FACILITY WAS COATED AND LEAKING OIL ONTO GROUND. OIL COULD BE OBSERVED FLOWING IN DRAIN WITH WATER. NO EVIDENE OF OIL IN DRAIN EAST OF BUILDING. CAMERA OBSERVED LINE WAS COATED FROM TOP TO BOTTOM WITH OILY MATERIAL AND A T WAS FOUND LEADING TO THE FACILITY APPROX. 60' AWAY. AFTER MEETING WITH ED HENNESSY, DIRECTOR OF SEWER MAINTENANCE THEY AGREED TO DIG UP LINE AND CAP LINE INTO BUILDING NEAR STREET. AFTER THIS IS COMPLETE THE LINE WILL BE PARTIALLY POWER WASHED AND COLLECTED. WORK IS TO BEGIN 7/20/11 IN AM. SPOKE WITH CARL (EPA) WHO STATED THAT FROM MEETING WITH ATTORNEY,
OWNER AND B&L ENGINEERING A WORK PLAN WILL BE SUBMITTED FOR CLEANUP AND DEMOLITION.

7/21/11 TDJ WENT TO LOCATION WHERE CHANDLER STREET HAS BEEN PARTIALLY REOPENED. FENCING HAS BEEN PLACED AROUND FRONT OF BUILDING TO PROTECT AGAINST FALLING CONCRETE. PLASTIC AND BOOMS HAVE ALSO BEEN PLACED TO PROTECT AGAINST RUNOFF FROM LOADING DOCK AREA UNTIL CLEANUP WORK BEGINS. SEWER AUTHORITY WAS ALSO ONSITE TO SEND CAMERA BACK INTO LINE TO DETERMINE IF PLUG PLACED IN COMPANY LINE IS HOLDING BACK OILY WATER. PLUG WAS PLACED WITHOUT DIGGING UP THE LINE. AREA AROUND POLE WHICH SNAPPED WAS CLEANED BY OP-TECH AND DISPOSED OF AS A NATIONAL GRID SPILL. CLEANUP WAS COMPLETED TO SATISFACTION OF DEC.

01/30/12 TDJ RECEIVED DISPOSAL RECEIPT FOR X-FORMER FLUID SPILLED DURING FIRE.

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 1104100

SPILL NAME: SOIL **DEC LEAD:** TDJOHNSO

NO FURTHER ACTION
FILE CLOSED

PIN	T & A	COST CENTER
05544		90055445-11

CLASS: **CLOSE DATE:** 01/30/2012 **MEETS STANDARDS:** False

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 1503193

SPILL NAME: VACANT PROPERTY **DEC LEAD:** TDJOHNSO

CALLER NAME: HANK SONTENG **NOTIFIER'S NAME:**

CLR'S AGENCY: CONCERNED CITIZEN **NOTIFIER'S AGENCY:**

CALLER'S PHONE: 716-523-8304 **NOTIFIER'S PHONE:**

SPILL DATE: 06/22/2015 **SPILL TIME:** 11:00 am **DISPATCHER:**

CALL RECEIVED DATE: 06/23/2015 **RECEIVED TIME:** 10:00 am

SPILL LOCATION

PLACE: VACANT PROPERTY **COUNTY:** Erie

STREET: 140 CHANDLER STREET **TOWN/CITY:** Buffalo (c)

COMMUNITY: BUFFALO

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Unknown **SPILL REPORTED BY:** Citizen

FACILITY TYPE: Commercial/Industrial **WATERBODY:** NONE

CALLER REMARKS:

CALLER LIVES IN AREA AND NOTICED THAT A CONTRACTOR IS DOING EXCAVATIONS ON SITE AND EXCAVATED SOILS ARE BLACK AND HAVE STRONG SMELL OF PETROLEUM. THIS IS THE SITE OF THE FORMER NIAGARA LUBRICANTS SITE (WHICH BURNED DOWN) AND FORMER PENZOLE PLANT. HE HAD HEARD THAT SOMEONE MAY BE BUILDING A ASPHAULT PLANT THERE NOW AND HE IS CHECKING WITH CITY STAFF TO CONFIRM. CITY BUILDING DEPARTMENT HAS NO RECORD OF A BUILDING PERMIT FOR THAT SITE AND WILL FOLLOW-UP. CALLER REQUESTED A CALL BACK ONCE DEC INVESTIGATES SITE.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
unknown petroleum	Petroleum			Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

06/24/15 TDJ WENT TO LOCATION WHERE I MET CITY INSPECTOR. HE DID NOT KNOW OF WORK BEING DONE BUT HAD PROPERTY OWNER INFO. WALKED AROUND SITE WHICH HAD BEEN EXCAVTED TO A POINT WHERE LARGE AMOUNTS OF CONCRETE SECTIONS HAD BEEN DUG UP AND PILED. NO EVIDENCE OF BLACK SOIL NOR PETROLEUM WAS FOUND. TRIED TO CONTACT CALLER BUT PHONE # NEEDE AN EXT. TO COMPLETE CALL WHICH HE DID NOT LEAVE.

no further action
file closed to electronic only

NYSDEC SPILL REPORT FORM

DEC REGION: 9 **SPILL NUMBER:** 1503193

SPILL NAME: VACANT PROPERTY **DEC LEAD:** TDJOHNSO

PIN **T & A** **COST CENTER**

CLASS: **CLOSE DATE:** 07/14/2015 **MEETS STANDARDS:** False

Property Description Narrative

Location – The site is addressed as 140 Chandler Street in the City of Buffalo, Erie County, New York and consists of one parcel totaling approximately 0.96 acres of land. The site is bound to the north by railroad tracks, to the south by Chandler Street, to the west by commercial operator (J&D's Seal Tech), and to the east by a commercial structure, with occupants including Tappo Restaurant, Thin Man Brewery, ODL Ortho Lab, and a salon and fitness center. The property is located within an urban area, utilized for industrial, commercial, and residential purposes.

Site Features – Building 1 is one-story and 2,500 square feet of space while Building 2 is 3,500 square feet spread across two stories. The parcel extends northerly from Chandler Street to the railroad track right-of-way.

Current Zoning and Land Use – 140 Chandler Street is currently zoned D-C for Flex Commercial

Past Uses of the Site – Building 1 – Originally constructed in 1911 by Faramel Manufacturing Company, a feed mill manufacturing company. By 1940 the building was inhabited by EJ Woodison Company, a plating manufacturing facility, occupied the building from at least 1964 to 1960.

Building 2 – Originally constructed in 1914 by Enterprise Oil Company, a soap and a soap and compounds of lubricating oils manufacturing company. By 1965 the building was inhabited by Quaker State Oil Refining Corporation, a plating manufacturing facility, occupied the building from at least 1965 to 1989.

Since that time, various companies occupied the buildings including Cream of Peas Company, Inc., Quaker State Oil Refining Corporation, EJ Woodison Co., Quality Petroleum Products, Inc., LASCO, Inc., and Niagara Lubricants. Over fifty eight (58) known storage tanks, both located underground and aboveground, were historically located at the site since at 1933, with the most recent tank closure in 2005. The building addressed as 160-164 Chandler Street was most recently occupied by Niagara Lubricants and was destroyed by a fire in the summer of 2011. Following building demolition associated with the fire, the former building area was That backfilled, and has been vacant since that time.

Prior remedial measures have been completed at the site associated with numerous historical spills, which were summarized above. Wittman GeoSciences, PLLC completed a limited Phase II investigation in May 2018. The work included completion of 16 soil borings, three test pits and collection of soil and groundwater samples, which is included in Section III.

Site Geology and Hydrogeology – Based on the soil borings completed, approximately 4 to 7 feet of granular and cohesive fill material is present throughout the site. Clay and silt was encountered below the fill material and extended the full depth drilled, ranging from 8 to 12 feet below grade. Groundwater was encountered approximately 3.5 to 5 feet below grade.

Based on a review of the site topographic conditions as depicted on the USGS 7.5 minute Topographic Quadrangle Map of Buffalo NW, New York, shallow regional groundwater flows is expected to flow in a southwesterly direction toward Scajaquada Creek located approximately 0.40 miles south and toward the Niagara River located approximately one mile west of the Site.

Environmental Assessment – Based on the investigation completed in May 2018, the primary contaminants of concern in the soil include semi-volatile organic compounds (SVOCs) including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene; and metals barium and lead

Soil – The contamination at the site is primarily due to fill which varies from 4 to 7 feet below ground surface. SVOCs (PAHs) and metals were encountered in the soil samples collected from fill areas at concentrations exceeding restricted residential soil cleanup objectives (RRSCO). The concentrations of the PAHs were up to 18 ppm benzo(a)anthracene (RRSCO – 1 ppm); 16 ppm benzo(a)pyrene (RRSCO – 1 ppm); 20 ppm benzo(b)fluoranthene (RRSCO – 1ppm); 6.7 ppm benzo(k)fluoranthene (RRSCO – 1 ppm); 16 ppm chrysene (RRSCO – 3.9 ppm); 2.6 ppm dibenzo(a,h)anthracene (RRSCO - 0.330 ppm); and 9.7 ppm indeno(1,2,3-cd)pyrene (RRSCO – 0.5 ppm). The concentration of barium was up to 658 ppm (RRSCO – 350 ppm) and lead was up to 5230 ppm (RRSCO – 400 ppm).

Groundwater – Concentrations of various VOCs were encountered above groundwater standards (GWS) including benzene at 2.5 ppb (GWS - 1 ppb); toluene at 5 ppb (GWS – 5 ppb); 1,2-dichlorobenzene at 3.8 ppb (GWS – 3 ppb); 1,3,5-trimethylbenzene at 9.8 ppb (GWS – 5 ppb); 1,2,4-trimethylbenzene at 22 ppb (GWS – 5 ppb). Additionally, concentrations of various SVOCs were encountered including phenol at 5 ppb (GWS – 1 ppb); naphthalene at 35 ppb (GWS – 10 ppb); benzo(a)anthracene at 4.8 ppb (GWS - 0.002 ppb); benzo(a)pyrene at 3.2 ppb (GWS – ND); benzo(b)fluoranthene at 4.6 ppb (GWS - 0.002 ppb); benzo(k)fluoranthene at 1.7 ppb (GWS – 0.002 ppb); chrysene at 4.8 ppb (GWS – 0.002 ppb); and indeno(1,2,3-cd)pyrene at 1.6 ppb (GWS – 0.002 ppb).

Section VI

Additional Requestor Information

Requestor's Relationships

The Requestor is the current owner of the property located at 140 Chandler Street.

Past owners and relationship with owner:
140 Chandler Street

Grantee	Grantor	Date	Last known address/phone	Relationship to Requestor
Chandler Solid, LLC	140 Chandler Street LLC	12/4/2018	Unknown	None
140 Chandler Street LLC	Chandler Solid, LLC	12/3/2018	Unknown	None
Chandler Solid, LLC	LASCO, Inc.	10/30/2014	Unknown	None
Leon Smith, III	Quality Petroleum Products, Inc.	10/6/1989	Unknown	None
LASCO, Inc.	Leon Smith, III	10/3/1989	Unknown	None
Quality Petroleum Products, Inc.	Quaker State Oil Refining Corporation	1/13/1977	Unknown	None
Quaker State Oil Refining Corporation	E.J. Woodison Co.	11/19/1964	Unknown	None
Quaker State Oil Refining Corporation	Enterprise Oil Company Inc.	11/30/1955	Unknown	None
E.J. Woodison Co.	Metropolitan Commercial Corporation	3/5/1931	Unknown	None
Metropolitan Commercial Corporation	Granite Bond & Mortgage Corporation	12/31/1926	Unknown	None
Granite Bond & Mortgage Corporation	Frontier Mortgage Company	4/23/1924	Unknown	None
Enterprise Oil Company Inc.	Frank & Cora Hower	6/3/1922	Unknown	None
Frontier Mortgage	R. Foster Piper,	4/27/1922	Unknown	None

Grantee	Grantor	Date	Last known address/phone	Relationship to Requestor
Company	Referee			
Frontier Mortgage Corporation	Faramel Manufacturing Company of Buffalo	12/14/1920	Unknown	None
Faramel Manufacturing Company of Buffalo	Cream of Peas Company Inc.	12/10/1920	Unknown	None
Cream of Peas Company Inc.	Faramel Manufacturing Company of Buffalo	12/10/1920	Unknown	None
Faramel Manufacturing Company of Buffalo	Citizens Bank of Buffalo	12/1/1915	Unknown	None
Frank Hower	Adell Perrine	12/30/1911	Unknown	None
Frank Hower	Charles & Jeanette Johnson	12/28/1911	Unknown	None

HOLLAND LAND TITLE & ABSTRACT COMPANY, INC.

110 Pearl Street, Suite 900
Buffalo NY 14202

CITY:	**Buffalo**	COUNTY:	**Erie**
SEARCH NO.:	**2010-60179**	SBL NO.:	**77.84-4-4**
		SWIS CODE:	**140200**

TAX DISTRICT	FRONT	DEPTH	NAME OF STREET (NO & STREET)	SIDE OF STREET	FEET	COURSE	STREET MEASURED FROM
-	-	-	**140 Chandler**	-	-	-	-

HOLLAND LAND TITLE & ABSTRACT COMPANY, INC., a corporation duly incorporated under the laws of the State of New York, for a valuable consideration to it paid, hereby Certifies to the record owners of an interest in or specific lien upon the premises above described, that there are no CITY or COUNTY TAXES or TAX SALES, LOCAL ASSESSMENTS, WATER RENTS or METER CHARGES, or charges for SIDEWALK CLEANING or REPAIRS now a lien against the real estate described on the tax rolls as above, now payable, except as follows:

ASSESSED TO:	**Chandler Solid LLC**
CERTIFY TO:	**Chandler Solid LLC**

NO SEARCH INCLUDED FOR PURE WATERS DISTRICTS. PURSUANT TO NEW YORK REAL PROPERTY TAX LAW SECTIONS 302 AND 520, THE REAL ESTATE TAX LIABILITY MAY BE AFFECTED UPON TRANSFER ON TITLE, IF PREMISES HAVE A PARTIAL OR FULL EXEMPTION. **NO SEARCH INCLUDED FOR OCCUPANCY TAX.**

TAX OR TAX SALE	YEAR	AMOUNT OF TAX OR SALE	REMARKS
CITY- 1st Half	2018-2019	$705.48 + int.	Open
CITY- 2nd Half	2018-2019	$705.48	Open
SEWER	2018-2019	$80.90 + int.	Open
CITY	2017-2018	$1,578.68 + int.	Open
SEWER	2017-2018	$96.24 + int.	Open
COUNTY	2018	$356.71	Paid

Plus interest, if any.

Dated: **October 24, 2018**

HOLLAND LAND TITLE & ABSTRACT COMPANY, INC.

By: _____
Authorized Signature

For your convenience, please call **Holland Land Title & Abstract Company, Inc.** at **716-853-6529,** 24 hours prior to closing so that we may continue this search in advance. Please give the following information: Search Number, Property Address, Closing Attorney and Time of Closing.

FIRST AMERICAN TITLE INSURANCE COMPANY OF NEW YORK,
by its Agent, HOLLAND LAND TITLE & ABSTRACT COMPANY, INC.,
a New York Corporation

for valuable consideration paid, GUARANTEE to the record owners of an interest in or a specific lien upon the premises particularly described **Below** on the date hereof and their successors in interest of record, that the SET-OUTS designated herein by marginal number(s) **1-32** inclusive, are all of the references affecting title to said premises, which appear upon

(a) INDICES to records, papers, files and documents, (including the Inactive Hazardous Waste Disposal Site Registry Index as provided for in Section 316-b of New York Real Property Law since July 1, 1993) in the offices of the CLERK of the COUNTY OF ERIE, AND

(b) INDICES to wills and administration of decedents' estates in the office of the SURROGATE of ERIE COUNTY

(c) INDICES to bankrupts in the Buffalo, New York office of the CLERK of the UNITED STATES DISTRICT COURT for the WESTERN DISTRICT OF NEW YORK

against the names of the parties appearing in the within abstract during the periods in which it appears there was a record interest in said premises under the names from **December 28, 1911** to the date hereof, and upon

(d) JUDGMENT DOCKETS for ten last years past, and

(e) DOCKETS of FEDERAL TAX LIENS for 10 years one month last past,

against the names of parties in such ownership in both of said offices of the aforesaid clerks, and GUARANTEE FURTHER that the SET-OUTS herein are correct statements as to such records and indices. The GUARANTEE under this Certificate shall not be limited by time.

Chandler Solid LLC - Owner(s)

WITNESS the Corporate Seal of said Corporations and the signature of their respective duly authorized officers this **24th** day of **October 2018** at **8:59 AM.**

HOLLAND LAND TITLE & ABSTRACT COMPANY, INC.

By: _____
Authorized Signature

Search No.: **2010-60179**
Abstractor: **JB**

FIRST AMERICAN TITLE INSURANCE COMPANY OF NEW YORK,
by its Agent, HOLLAND LAND TITLE & ABSTRACT COMPANY, INC.,
a New York Corporation

for valuable consideration paid, GUARANTEE to the record owners of an interest in or a specific lien upon the premises particularly described **Below** on the date hereof and their successors in interest of record, that the SET-OUTS designated herein by marginal number(s) **33-34** inclusive, are all of the references affecting title to said premises, which appear upon

(a) INDICES to records, papers, files and documents, (including the Inactive Hazardous Waste Disposal Site Registry Index as provided for in Section 316-b of New York Real Property Law since July 1, 1993) in the offices of the CLERK of the COUNTY OF ERIE, AND

(b) INDICES to wills and administration of decedents' estates in the office of the SURROGATE of ERIE COUNTY

(c) INDICES to bankrupts in the Buffalo, New York office of the CLERK of the UNITED STATES DISTRICT COURT for the WESTERN DISTRICT OF NEW YORK

against the names of the parties appearing in the within abstract during the periods in which it appears there was a record interest in said premises under the names from **October 24, 2018** to the date hereof, and upon

(d) JUDGMENT DOCKETS for ten last years past, and

(e) DOCKETS of FEDERAL TAX LIENS for 10 years one month last past,

against the names of parties in such ownership in both of said offices of the aforesaid clerks, and GUARANTEE FURTHER that the SET-OUTS herein are correct statements as to such records and indices. The GUARANTEE under this Certificate shall not be limited by time.

Chandler Solid LLC - Owner(s)

WITNESS the Corporate Seal of said Corporations and the signature of their respective duly authorized officers this **5th** day of **December, 2018** at **9:46 A.M.**

HOLLAND LAND TITLE & ABSTRACT COMPANY, INC.

By: _____
Authorized Signature

Search No.: **2010-60179**
Abstractor: **JBS**

PREMISES

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of Buffalo, County of Erie and State of New York, being part of Lot No. 88, Township 11, Range 8 of the Holland Land Company's Survey, as shown on a map filed in the Erie County Clerk's Office under Cover No. 196 is known as Subdivision Lot Nos. 46 to 54 inclusive and the westerly 4.24 feet of Subdivision Lot No. 55 in Block "A", situate on the north side of Chandler Street.

1.	Charles T. Johnston and Jeannette W. Johnston, his wife -TO- Frank B. Hower (No search against grantors)	Warranty Deed Dated: December 28, 1911 Ack.: December 28, 1911 Rec.: January 5, 1912 Liber 1241 of Deeds, page 16 Consideration: $1.00 and more

Conveys Subdivision Lot Nos. 49, 50, 51 and 52, Block "A", Map Cover 196.

2.	Adell C. Perrine -TO- Frank B. Hower (No search against grantor)	Warranty Deed Dated: December 30, 1911 Ack.: December 30, 1911 Rec.: January 5, 2912 Liber 1213 of Deeds, page 40 Consideration: $1.00

Conveys Subdivision Lot Nos. 53 and 54 and the westerly 4.24 feet of Subdivision Lot No. 55 in Block "A", Map Cover 196.

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3. NOTE: We find no Deed into Cora A. Hower on record in the Erie County Clerk's office.

4.	Frank B. Hower and Cora A. Hower, his wife -TO- Enterprise Oil Company Inc.	Warranty Deed Dated: June 3, 1922 Ack.: June 3, 1922 Rec.: June 5, 1922 Liber 1601 of Deeds, page 631 Consideration: $1.00

Conveys Subdivision Lot Nos. 49 – 54, inclusive, and the west 4.24 feet of Subdivision Lot No. 55, Block "A", Map Cover 196.

5.	In the Matter -OF- Enterprise Oil Company Inc. **File No. 5502**	Certificate of Incorporation Dated: June 1, 1922 Filed in the Secretary of State's Office June 1, 1922 Filed in the Erie County Clerk's Office June 2, 1922

6.	Enterprise Oil Company Inc. -WITH- Barcalo Manufacturing Company (No search against second party)	Agreement Dated: December 4, 1952 Ack.: December 4, 1952 Rec.: December 30, 1952 Liber 5246 of Deeds, page 457

Whereas, Enterprise is the owner of certain premises situate on the northerly side of Chandler Street, more particularly described in a certain warranty deed recorded in Liber 1601 of Deeds, page 631; and

Whereas, Barcalo is the owner of certain adjoining premises particularly identified in a warranty deed recorded in Liber 4104 of Deeds, page 402; and

Provides for erection of cinder block enclosure which, when completed, will encroach onto Barcalo property upto .50 of a foot. Agreement as to mutual location and maintenance of said center block building.

(See terms and conditions contained herein.)

7.	Enterprise Oil Company -WITH- Barcalo Manufacturing Company (No search against second party)	Agreement Dated: March 31, 1955 Ack.: April 4, 1955 Rec.: April 6, 1955 Liber 5724 of Deeds, page 566

Recites, the party of the first part is the owner of lands shown on Liber 1601 of Deeds, page 631 and the party of the second part is the owner of property described in Liber 4104 of Deeds, page 402, adjoining the party of the first part's property shown on certain survey No. 52-2464 attached hereto.

Pursuant to Agreement recorded in Liber 5246 of Deeds, page 547, the party of the second party has requested that the party of the first part grant additional easement permitting the extension f said concrete block building twelve feet wide for a distance of approximately 36 feet to the rear of the four-story brick building erected upon the lands of the party of the second part and the party of the first part has agreed to grant such easement.

8.	Enterprise Oil Company, Inc. -TO- Quaker State Oil Refining Corporation	Warranty Deed Dated: November 30, 1955 Ack.: November 30, 1955 Rec.: February 8, 1956 Liber 5931 of Deeds, page 118 Consideration: None

Conveys Subdivision Lot Nos. 49 to 54 inclusive and the west 4.24 feet of Subdivision Lot No. 55 in Block "A" as shown on a map filed under cover No. 196 of Maps, described as follows: Beginning at a point in the northerly line of Chandler Street 503.62 feet east of the New York State Reservation Line, running thence easterly on said line of Chandler Street 184.24 feet; thence northerly at right angles to said line of Chandler Street 150 feet to lands of the New York Central & Hudson River R.R. Company, thence westerly parallel with said line of Chandler Street and along said railroad company's land 184.24 feet, thence southerly at right angles with said line of Chandler Street 150 feet to the point of beginning.

9.	In the Matter -OF- Quaker State Oil Refining Corporation **Case No. 60082**	Certificate of Change Application for Authority Dated: August 23, 1976 Filed in the Secretary of State's Office September 3, 1976 Filed in the Erie County Clerk's Office October 27, 1976

Authorized to do business in New York on August 27, 1935.

10.	Quaker State Oil Refining Corporation -WITH- Barcalo Manufacturing Company (No search against second party)	Agreement Dated: September 24, 1958 Ack.: September 24, 1958 Rec.: October 8, 1958 Liber 6347 of Deeds, page 251

Grants the right, privilege and easement to locate, construct, maintain, operate, relocate, repair, change size and remove at Barcalo's own cost, expense and risk an underground gas pipe line, together with its valves, fittings, connection, shut-off valves and boxes, accessories and appurtenances over, under and through Quaker State's said lands within the area marked "A" on the attached map of survey, which said gas pipe line will be more particularly located and installed at every point within 2-1/2 feet of the westerly line of the lands of Barcalo.

(See terms, conditions and survey attached thereto.)

11.	Citizens Bank of Buffalo -TO- Faramel Manufacturing Company of Buffalo (No search against grantor)	Warranty Deed Dated: December 1, 1915 Ack.: December 22, 1915 Rec.: December 29, 1915 Liber 1341 of Deeds, page 286 Consideration: $1.00

Conveys Subdivision Lot Nos. 46, 47 and 48, Block "A", Map Cover 196.

Subject to mortgage recorded in Liber 1138 of Mortgages, page 446, Liber 1221 of Mortgages, page 108 and Liber 1191 of Mortgages, page 470, all since discharged.

12.	In the Matter -OF- Faramel Manufacturing Company of Buffalo **File No. 6024**	Certificate of Incorporation Dated: February 1, 1907 Filed in the Secretary of State's Office February 2, 1907 Filed in the Erie County Clerk's Office February 2, 1907

13.	Faramel Manufacturing Company of Buffalo -TO- Cream of Peas Company Inc.	Warranty Deed Dated: December 10, 1920 Ack.: December 10, 1920 Rec.: December 14, 1920 Liber 1557 of Deeds, page 8 Consideration: $1.00

Conveys Subdivision Lot Nos. 46, 47 and 48, Block "A", Map Cover 196.

14.	In the Matter -OF- Cream of Peas Company Inc. **File No. 4063**	Certificate of Incorporation Dated: November 11, 1919 Filed in the Secretary of State's Office November 11, 1919 Filed in the Erie County Clerk's Office November 14, 1919

15.	Cream of Peas Company Inc. -TO- Faramel Manufacturing Company of Buffalo	Mortgage $15,000.00 Dated: December 10, 1920 Ack.: December 10, 1920 Rec.: December 14, 1920 Liber 1573 of Mortgages, page 172

Covers Subdivision Lot Nos. 46, 47 and 48, Block "A", Map Cover 196.

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16. Faramel Manufacturing Company of Buffalo
-TO-
Frontier Mortgage Corporation

Assignment
Dated: December 14, 1920
Ack.: December 14, 1920
Rec.: December 14, 1920
Liber 1580 of Mortgages, page 11

Assigns mortgage recorded in Liber 1573 of Mortgages, page 172 above.

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17. Frontier Mortgage Corporation
-VS-
The Cream of Peas Company Inc.

Lis Pendens
Supreme Court Erie County
Filed: August 29, 1921
Dirmberger & Moore, Attys.

Action to foreclose mortgage recorded in Liber 1573 of Mortgages, page 172 above.

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18. R. Foster Piper, Referee
-TO-
Frontier Mortgage Corporation

Referee's Deed
Dated: April 27, 1922
Ack.: April 27, 1922
Rec.: November 21, 1922
Liber 1501 of Deeds, page 452
Consideration: $1,922.00

Conveys Subdivision Lot Nos. 46, 47 and 48, Block "A", Map Cover 196, pursuant to the foreclosure of mortgage recorded in Liber 1573 of Mortgages, page 172 above.

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19. In the Matter
-OF-
Frontier Mortgage Corporation
File No. 13839

Certificate of Incorporation
Dated: September 17, 1923
Filed in the Secretary of State's Office
September 17, 1923
Filed in the Erie County Clerk's Office
September 19, 1923

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20. Frontier Mortgage Corporation
-TO-
Granite Bond & Mortgage Corporation

Warranty Deed
Dated: April 23, 1924
Ack.: April 23, 1924
Rec.: October 9, 1924
Liber 1696 of Deeds, page 512
Consideration: $1.00 and more

Conveys Subdivision Lot Nos. 46, 47 and 48, Block "A", Map Cover 196.

21.	In the Matter -OF- Granite Bond & Mortgage Corporation **File No. 13895**	Certificate of Incorporation Dated: August 18, 1923 Filed in the Secretary of State's Office August 18, 1923 Filed in the Erie County Clerk's Office August 20, 1923
22.	Granite Bond and Mortgage Corporation -TO- Metropolitan Commercial Corporation	Warranty Deed Dated: December 31, 1926 Ack.: March 16, 1927 Rec.: March 16, 1927 Liber 1876 of Deeds, page 446 Consideration: $1.00
	Conveys Subdivision Lot Nos. 46, 47 and 48, Block "A", Map Cover 196.	
23.	In the Matter -OF- Metropolitan Commercial Corporation **File No. 10431**	Certificate of Incorporation Dated: February 2, 1920 Filed in the Secretary of State's Office February 2, 1920 Filed in the Erie County Clerk's Office February 3, 1920
24.	Metropolitan Commercial Corporation -TO- E.J. Woodison Co.	Warranty Deed Dated: March 5, 1931 Ack.: March 20, 1931 Rec.: March 20, 1931 Liber 2152 of Deeds, page 30 Consideration: $1.00 and more
	Conveys Subdivision Lot Nos. 46, 47 and 48, Block "A", Map Cover 196.	
25.	In the Matter -OF- E.J. Woodison Co. **File No. 4-1598**	Certificate of Authority Dated: December 2, 1964 Filed in the Secretary of State's Office December 2, 1964 Filed in the Erie County Clerk's Office December 4, 1964

26. E.J. Woodison Co.
-TO-
Quaker State Oil Refining Corporation

Warranty Deed
Dated: November 19, 1964
Ack.: November 19, 1964
Rec.: December 4, 1964
Liber 7066 of Deeds, page 227
Consideration: $15,000.00

Conveys Subdivision Lot Nos. 46, 47 and 48 in Block "A" as shown on a map filed under Cover No. 196, described as follows: Beginning at a point in the northerly line of Chandler Street 413.62 feet easterly from the stone monument at the intersection of the Reservation line with said northerly line of Chandler Street; thence easterly along said northerly line of Chandler Street 90 feet to the southeasterly corner of Subdivision Lot No. 48 on said map; thence northerly at right angles to Chandler Street and along the easterly line of said Subdivision Lot No. 48, 150 feet; thence westerly parallel with said northerly line of Chandler Street 90 feet to the northwesterly corner of said Subdivision Lot No. 46; thence southerly at right angles and along the westerly line of said Subdivision Lot No. 46, 150 feet to the place of beginning.

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27. Quaker State Oil Refining Corporation
-TO-
Quality Petroleum Products, Inc.

Warranty Deed
Dated: January 13, 1977
Ack.: January 13, 1977
Rec.: January 14, 1977
Liber 8474 of Deeds, page 499
Consideration: $1.00 and more

Conveys premises.

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28. In the Matter
-OF-
Quality Petroleum Products, Inc.
Case No. 59756

Certificate of Incorporation
Dated: July __, 1976
Filed in the Secretary of State's Office
July 14, 1976
Filed in the Erie County Clerk's Office
August 12, 1976

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29. Quality Petroleum Products, Inc.
-TO-
Leon Smith, III

Warranty Deed
Dated: October 6, 1989
Ack.: October 6, 1989
Rec.: October 6, 1989
Liber 10086 of Deeds, page 642
Consideration: $1.00 and more

Conveys premises.

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30. Leon Smith, III
-TO-
LASCO, Inc.

Warranty Deed
Dated: October 3, 1989
Ack.: October 3, 1989
Rec.: March 28, 1990
Liber 10153 of Deeds, page 610
Consideration: $1.00 and no more

Conveys premises.
Subject to mortgage recorded in Liber 10495 of Mortgages, page 562, since discharged.

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31. In the Matter
-OF-
LASCO, Inc.
Case No. 71315

Certificate of Incorporation
Dated: December 28, 1982
Filed in the Secretary of State's Office
December 31, 1982
Filed in the Erie County Clerk's Office
February 2, 1983

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32. Lasco, Inc., a corporation organized under the laws of the State of New York
-TO-
Chandler Solid, LLC

Warranty Deed
Dated: October 30, 2014
Ack.: October 30, 2014
Rec.: November 7, 2014
Liber 11271 of Deeds, page 8040
Consideration: $1.00

Conveys premises et al.

October 24, 2018
@ 8:59 A.M.
JB/kmb

33.	Chandler Solid, LLC	Bargain and Sale Deed Dated: December 3, 2018 Ack.: December 3, 2018
	-TO-	Rec.: December 5, 2018
	140 Chandler Street LLC (NO SEARCH VS GRANTEE)	Liber 11338 of Deeds, page 1731 Consideration: $10.00 and more

Conveys premises

34.	140 Chandler Street, LLC	Mortgage $100,000.l00 Dated: December 4, 2018
	-TO-	Ack.: December 4, 2018
	Chandler Solid LLC	Rec.: December 5, 2018 Liber 13880 of Mortgages, page 219

Covers premises

December 5, 2018
@ 9:46 A.M.
JBS/hab

140 Chandler Street Operators

In addition to the various record owners of the parcels identified in the abstract of title, the Site has been occupied by a wide range of entities for a variety of uses for nearly a century. The following historical information is to the best of the Volunteer's information and belief.

Based on city directory review, building department records, and fire insurance maps, the Site was originally developed with two buildings. The first building was located in the western portion, addressed as 140-146 Chandler Street, originally constructed in 1911, and was occupied by Faramel Manufacturing Company, a feed mill manufacturing company, until approximately 1920. The second building was located in the eastern portion, addressed as 160-164 Chandler Street, originally constructed in 1914, and was occupied by Enterprise Oil Company, a soap and compounds of lubricating oils manufacturing company, until approximately 1955. Since that time, various companies occupied the buildings including Cream of Peas Company, Inc., Quaker State Oil Refining Corporation, EJ Woodison Co., Quality Petroleum Products, Inc., LASCO, Inc., and Niagara Lubricants. Over fifty eight (58) known storage tanks, both located underground and aboveground, have been identified at the site since at 1933, with the most recent tank closure in 2005. The building addressed as 160-164 Chandler Street was most recently occupied by Niagara Lubricants and was destroyed by a fire in the summer of 2011. That portion of the property has since been backfilled, and has not been redeveloped.

The site buildings have been vacant since December 2018. The Requestor, as a Volunteer, is not aware of last known address for the previous operators. Additionally, the Requestor has no relationship with any of the past building operators. Below is a summary of know past operators.

140 Chandler Street

Year	Last Known Address	Operator
2019, 2018, 2017	140-164 Chandler Street	- Chris Hollander - Leader Manufacturing Company Inc. (manufacturer)
2016	164 Chandler Street	- Martin Castelli
2015, 2014	140 Chandler Street	- Chris Hollander
2013, 2012	140-164 Chandler Street	- Chris Hollander - Niagara Lubricants
2010	164 Chandler Street	- Niagara Lubricants
2005	140-164 Chandler Street	- Jon Matusek - Niagara Lubricants
2000	140-164 Chandler Street	- Niagara Lubricants
1993	140-164 Chandler Street	- James & Betty Oppenheimer - Niagara Lubricants
1990	140-164 Chandler Street	- Niagara Lubricants Company Inc. (oil & lubricant dealers and manufacturers)
1989, 1986, 1985	140-164 Chandler Street	- Quality Petroleum Products
1984, 1980, 1978	140-164 Chandler Street	- Quality Petroleum Products (lubricating oil) - Vacant
1977	150-164 Chandler Street	- Quaker State Auto - Quality Petroleum Products
1976, 1975	150-164 Chandler Street	- Quaker State Auto - Refining Corp. Lubricating Oils

Year	Last Known Address	Operator
2019, 2018, 2017	140-164 Chandler Street	- Chris Hollander - Leader Manufacturing Company Inc. (manufacturer)
2016	164 Chandler Street	- Martin Castelli
2015, 2014	140 Chandler Street	- Chris Hollander
1970	150 Chandler Street	- Quaker State Oil Refining Corporation
1965	146-164 Chandler Street	- Quaker State Oil Refining Corporation
1956, 1960, 1964	140-164 Chandler Street	- Ej. Woodison Company (manufacturers) - Quaker State Oil Refining Corporation
1955, 1950, 1946, 1940	140-164 Chandler Street	- Ej. Woodison Company (manufacturers) - Enterprise Oil Company Inc.
1916	140-164 Chandler Street	- Faramel Manufacturing Company (feed mill) - Enterprise Oil Company Inc.

Section VII

Requestor Eligibility Information

Volunteer – 140 Chandler Street, LLC purchased the properties in December 2018 for future redevelopment. No activities or operations have occurred since purchase. The impacts are associated with historical industrial fill. 140 Chandler Street, LLC has not operated the subject site, and therefore does not have responsibility for the contamination present at the site.

Section IX

Contact List

Contact List

Letter from Repository

Contact List		
Federal Representative		
U.S. Representative Brian Higgins Buffalo District Office 726 Exchange Street Buffalo, NY 14210 Phone: 716-852-3501	US Senator Hon. Charles E. Schumer 130 South Elmwood Ave., #660 Buffalo, NY 14202 Phone: 716-846-4111	US Senator Hon. Kristen Gillibrand 726 Exchange St., Suite 511 Buffalo, NY 14201 Phone: 716-854-9725
New York Representative		
New York State Senator Chris Jacobs Mahoney State Office Building 65 Court Street, Room 213 Buffalo, NY 14202 Phone: 716-854-8705	New York State Assemblyman Sean Ryan District Office 65 Grant Street Buffalo, NY 14213 Phone: 716-885-9630 Fax: 716-885-9636	
Erie County Representative		
Erie County Executive Mark Poloncarz 95 Franklin Street Buffalo, NY 14202 Phone: (716) 858-8500	Erie County Clerk Michael P. Kearns 92 Franklin Street Buffalo, NY 14202 Phone: (716) 858-8866	Commissioner of Environment and Planning Thomas R. Hersey, Jr. Edward A. Rath County Office Building 95 Franklin Street 10th Floor Buffalo, NY 14202 Phone: (716) 858-8390
City of Buffalo Representative		
Office of the Mayor Mayor Byron W. Brown 201 City Hall Buffalo, NY 14202 Phone: (716) 851-4841	North District Councilman Joseph Golombek, Jr. 1502 City Hall Buffalo, NY 14202 Phone: (716) 851-5116	Division of Environment Jason Paananen 901 City Hall Buffalo, NY 14202 Phone: (716) 851-5406
Office of Strategic Planning, Executive Director Brendan Mehaffy 901 City Hall Buffalo, NYk 14202 Phone: (716) 851-4769	Planning Board, Director Nadine Marrero 901 City Hall Buffalo, NY 14202 Phone: (716) 851-5029	

Adjacent Property Owners		
138 Chandler Street 138 Chandler Street LLC 134 Joseph Drive Tonawanda, NY 14150	166 Chandler Street 166 Chandler Street Holdings, LLC 489 Ellicott Street, unit #3 Buffalo, NY 14203	155 Chandler Street R&M Leasing, LLC 391 Washington Ave., suite 800 Buffalo, NY 14203
145 Chandler Street 145 Chandler Street LLC 391 Washington Ave., suite 800 Buffalo, NY 14203	Railroad Tracks (directly north) City of Buffalo Address N/A	527 Hertel Avenue Buffalo Townhomes LLC 298 Main Street Buffalo, NY 14202
Local News Media		
Buffalo News One News Plaza PO Box 100 Buffalo, NY 14240 Phone: (716) 842-1111	WGRZ-TV Channel 2 259 Delaware Avenue Buffalo, NY 14202 Phone: (716) 849-2222 (main) Phone: (716) 849-2200 (news)	WIVB-TV Channel 4 2077 Elmwood Avenue Buffalo, NY 14207 Phone: (716) 874-4410
WKBW-ABC Channel 7 7 Broadcast Plaza Buffalo, NY 14202 Phone: (716) 845-6100	WUTV-FOX Channel 29 699 Hertel Avenue, suite 100 Buffalo, NY 14207 Phone: (716) 447-3200	
Public Water Supplier		
Buffalo Water Authority 281 Exchange Street Buffalo, NY 14202 Phone: (716) 847-1065		
Persons who have requested to be on the list		
None requested		
Administrator of School and Daycare Facilities near the Property		
Elmwood Village Charter School Hertel Ms. Kathy Jamil – Principal 655 Hertel Avenue Buffalo, NY 14207 Phone: (716) 424-0555	West Hertel Academy Cecelie Owens – Principal 489 Hertel Avenue Buffalo, NY 14207 Phone: (716) 816-4150	Our Lady of Black Rock School Ms. Martha Eadie - Principal 16 Peter Street Buffalo, NY 14207 Phone: (716) 873-7497
Local Document Repositories		
North Park Library Paul Guminski, Branch Manager 975 Hertel Avenue Buffalo, NY 14216 Phone: (716) 875-3748	NYSDEC Region 9 Office 270 Michigan Avenue Buffalo, NY 14203 Phone: (716) 851-7220	

From: April Tompkins [mailto:tompkinsa@buffalolib.org]
To: gbittner@hazardevaluations.com
Subject: FW: Repository Request

Good afternoon Greg,

This is to inform you and confirm that the Buffalo and Erie County Public Library will be the repository for the Brownfield Clean Program document(s) and will be made available for public review. ***Also, this serves as permission to submit future document and updates.***

Please keep the following in mind:

- Documents (including updates) for public review should be sent or brought in person to the Central Library to the attention of Carol Batt, of whom I assist. Documents sent via e-mail will not be accepted. The mailing address is:

  Attention: April Tompkins
  Buffalo and Erie County Public Library
  1 Lafayette Square
  Buffalo, NY 14203

- Documents for the Central/Downtown library are made available on the first floor in the Information Services Department within a day or so after receipt. If received Friday afternoon, they go out the following Monday.

- If you would like the document(s) distributed at libraries other than Central, you will need to send the appropriate quantity of copies with labels regarding their destinations. We will distribution accordingly. We do not make copies for distribution.

- It's your choice regarding the format (hard copy and / or disk) you wish to submit. If the document is very large, part in hard copy and part on disk is acceptable. If submitting in both formats, please be sure that they are titled/labeled accordingly. Although CD-ROMs cannot be used on public library computers, if someone brings in their personal laptop, the disc can be viewed in house. If optional, an alternative is the availability to go online using a provided link for patrons to read/review/print.

If you still have any questions/concerns, please feel free to contact me by replying to this e-mail or by phone at 716-858-7129. Thank you.

Regards,
April Tompkins, Sr. Library Clerk
Office of Chief Operating Officer & Information Technology
Buffalo and Erie County Public Library
1 Lafayette Square | Buffalo, NY 14203
Voice: 716-858-7129 | Fax: 716-858-6211
E-mail: tompkinsa@buffalolib.org

Section X

Land Use Factors

2. Current Use – 140 Chandler Street has been vacant since 2018. Specific historical areas of usage and possible contaminant source areas are not known.

3. Reasonably Anticipated Use Post Remediation – The Site will be developed as a pool club which will be associated with other nearby business development including 27, 37, 155 and 166 Chandler Streets. Potion of the existing buildings will be demolished, while other areas of the buildings will be gut-renovated. Due to the proposed future usage, commercial usage will be cleanup goal/criteria.

4. Recent Development – The Requestor and subsidiary companies have invested over $30,000,000 into the Black Rock neighborhood over the past 4 years. The proposed use is consistent with recent development in the area.

Section XI

Statement of Certification and Signatures

WRITTEN CONSENT
OF THE MEMBERS
OF
140 CHANDLER STREET, LLC

The undersigned, being the members (the "Member") of 140 CHANDLER STREET, LLC, a limited liability company duly organized and validly existing under the laws of the State of New York (the "Company"), hereby adopts the following resolutions, such action to have the same force and effect as if taken at a meeting duly called and held for such purpose:

WHEREAS, the Company previously acquired a fee simple interest in and to certain improved real property located at, or adjacent to, 140 Chandler Street in the City of Buffalo, County of Erie, State of New York, (the "Property"); now, therefore, it is hereby:

RESOLVED, that the Company intends to file an application with the NYS Department of Environmental Conservation ("DEC") in connection with the Company's participation in the Brownfield Cleanup Program at the Property; and it is

FURTHER RESOLVED, that the Company is hereby authorized and empowered to execute and deliver any and all documents to be entered into in connection with the said application and the application and attendant documents may contain such terms, provisions, conditions, stipulations and agreements as the Managing Member, Rocco Termini, may deem proper and advisable, and that the Managing Member is authorized to act on behalf of the Company to execute and deliver such application and other such documents as the Managing Member, may deem proper and advisable in order to effectuate the participation in the Brownfield Cleanup Program; and it is

FURTHER RESOLVED, that in addition to and without limiting the generality of the foregoing resolutions with respect to the foregoing transactions, the Managing Member be, and hereby is, authorized and directed to take such further action in connection with said transactions and to execute and deliver such instruments as such Managing Member with advice of counsel may deem appropriate to carry out the foregoing resolutions; and the taking of such action or execution of such instruments shall be deemed conclusive evidence of the determination of such executing Managing Member that such action or execution was appropriate and in the best interest of the Company, and it is

FURTHER RESOLVED, that all action taken and all instruments executed by the Managing Member on behalf of the Company or itself prior to the adoption of these resolutions with respect to the transactions described above in connection with the Project and all matters related thereto, are hereby ratified, confirmed and approved.

IN WITNESS WHEREOF, the undersigned have executed this Consent as of 9-25, 2019.

Rocco Termini, Sole Member