Brownfield Cleanup Program Application
Ridgeway Phase VI Site
City of Yonkers, Westchester County

Applicant:

CPG PHASE VI LIMITED PARTNERSHIP
8 West 38th Street, Suite 1102
New York, New York 10018

Prepared for:
Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, New York 12233-7020

JUNE 2022

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION FORM

Is this an application to amend an existing BCA with a major modification? Please refer to the application instructions for further guidance related to BCA amendments. If yes, provide existing site number: _____	○ Yes ◉ No
Is this a revised submission of an incomplete application? If yes, provide existing site number: _____	○ Yes ◉ No

BCP App Rev 13

SECTION I: Property Information

PROPOSED SITE NAME: Ridgeway Phase VI Site

ADDRESS/LOCATION: 8 Cottage Place

CITY/TOWN: Yonkers | ZIP CODE: 10701

MUNICIPALITY (LIST ALL IF MORE THAN ONE): City of Yonkers

COUNTY: Westchester | SITE SIZE (ACRES): 1.01

LATITUDE			LONGITUDE		
40 °	56 '	28.3 "	73 °	53 '	44.9 "

Provide tax map information for all tax parcels included within the proposed site boundary below. If a portion of any lot is to be included, 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 acreage column.

ATTACH REQUIRED TAX MAPS PER THE APPLICATION INSTRUCTIONS. ATTACHMENTS 1 & 2

Parcel Address	Section	Block	Lot	Acreage
8 Cottage Place, City of Yonkers, Westchester County	2.	2094	1	1.01

	Y	N
1. Do the proposed site boundaries correspond to tax map metes and bounds? If no, please attach an accurate map of the proposed site including a metes and bounds description.	◉	○
2. Is the required property map provided in electronic format with the application? (Application will not be processed without a map) ATTACHMENT 3	◉	○
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) If yes, identify census tract: Tract 4.02 Percentage of property in En-zone (check one): 0% ○ 1-49% ○ 50-99% ○ 100% ◉	◉	○
4. Is the project located within a disadvantaged community? See application instructions for additional information.	◉	○
5. Is the project located within a NYS Department of State (NYS DOS) Brownfield Opportunity Area (BOA)? See application instructions for additional information.	○	◉

	Y	N
6. Is this application one of multiple applications for a large development project, where the development spans more than 25 acres (see additional criteria in application instructions)? If yes, identify names of properties and site numbers, if available, in related BCP applications: _____	○	◉
7. Is the contamination from groundwater or soil vapor solely emanating from property other than the site subject to the present application?	○	◉
8. 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? If yes, attach relevant supporting documentation.	○	◉
9. Are there any lands under water? If yes, these lands should be clearly delineated on the site map.	○	◉
10. Has the property been the subject of or included in a previous BCP application? If yes, please provide the DEC site number: _____	○	◉
11. Is the site currently listed on the Registry of Inactive Hazardous Waste Disposal Sites (Class 2, 3, or 4) or identified as a Potential Site (Class P)? If yes, please provide the DEC site number: _____ Class: ___	○	◉
12. Are there any easements or existing rights-of-way that would preclude remediation in these areas? If yes, identify each here and attach appropriate information. Easement/Right-of-Way Holder — Description	○	◉
13. List of permits issued by the DEC or USEPA relating to the proposed site (describe below or attach appropriate information): Type — Issuing Agency — Description	○	◉
14. Property Description and Environmental Assessment – please refer to the application instructions for the proper format of each narrative requested. Are the Property Description and Environmental Assessment narratives included in the prescribed format? ATTACHMENT 5	◉	○

Note: Questions 15 through 17 below pertain ONLY to proposed sites located within the five counties comprising New York City.

	Y	N
15. Is the Requestor seeking a determination that the site is eligible for tangible property tax credits? If yes, Requestor must answer the Supplemental Questions for Sites Seeking Tangible Property Credits Located in New York City ONLY on pages 11-13 of this form.	○	○
16. Is the Requestor now, or will the Requestor in the future, seek a determination that the property is Upside Down?	○	○
17. If you have answered *YES* to Question 16 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?	○	○

NOTE: If a tangible property tax credit determination is not being requested at the time of application, the applicant may seek this determination at any time before issuance of a Certificate of Completion by using the BCP Amendment Application, except for sites seeking eligibility under the underutilized category.

If any changes to Section I are required prior to application approval, a new page, initialed by each Requestor, must be submitted with the application revisions.
Initials of each Requestor:

_____ _____ _____ _____ _____ _____

SECTION II: Project Description

1. The project will be starting at: ◉ Investigation ○ Remediation

NOTE: If the project is proposed to start at the remediation stage, at a minimum, a Remedial Investigation Report (RIR) must be included, resulting in a 30-day public comment period. If an Alternatives Analysis and Remedial Action Work Plan (RAWP) are also included (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, does it meet the requirements in ECL Article 27-1415(2)?

   ○ Yes ○ No ◉ N/A

3. Have any draft work plans been submitted with the application (select all that apply)?

   ☐ RIWP ☐ RAWP ☐ IRM ☑ No

4. Please provide a short description of the overall project development, including the date that the remedial program is to begin, and the date by which a Certificate of Completion is expected to be issued.
   Is this information attached? ◉ Yes ○ No **ATTACHMENT 6**

SECTION III: Land Use Factors

1. What is the property's current municipal zoning designation? Apartments Medium Density

2. What uses are allowed by the property's current zoning (select all that apply)?

   Residential ☑ Commercial ☐ Industrial ☐

3. Current use (select all that apply):

   Residential ☑ Commercial ☐ Industrial ☐ Recreational ☐ Vacant ☐

	Y	N
4. Please provide 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 by which the site became vacant. Is this summary included with the application? **ATTACHMENT 7**	◉	○
5. Reasonably anticipated post-remediation use (check all that apply): Residential ☑ Commercial ☐ Industrial ☐ If residential, does it qualify as single-family housing? ○ N/A	○	◉
6. Please provide a statement detailing the specific proposed post-remediation use. Is this summary attached? **ATTACHMENT 7**	◉	○
7. Is the proposed post-remediation use a renewable energy facility? See application instructions for additional information.	○	◉
8. Do current and/or recent development patterns support the proposed use?	◉	○
9. Is the proposed use consistent with applicable zoning laws/maps? **ATTACHMENTS 4 & 7** Please provide a brief explanation and additional documentation if necessary.	◉	○
10. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, or other adopted land use plans? **ATTACHMENT 7** Please provide a brief explanation and additional documentation if necessary.	◉	○

SECTION IV: Property's Environmental History

All applications **must include** an Investigation Report (per ECL 27-1407(1)). The report must be sufficient to establish that contamination of environmental media exists on the site above applicable Standards, Criteria and Guidance (SCGs) based on the reasonably anticipated use of the site property and that the site requires remediation. To the extent that existing information/studies/reports are available to the requestor, please attach the following (***please submit 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). Please do NOT submit paper copies of ANY supporting documents.** ATTACHMENT 8
2. **SAMPLING DATA: INDICATE (BY SELECTING THE OPTIONS BELOW) KNOWN CONTAMINANTS AND THE MEDIA WHICH ARE KNOWN TO HAVE BEEN AFFECTED. DATA SUMMARY TABLES SHOULD BE INCLUDED AS AN ATTACHMENT, WITH LABORATORY REPORTS REFERENCED AND INCLUDED.** ATTACHMENTS 9 & 10

CONTAMINANT CATEGORY	SOIL	GROUNDWATER	SOIL GAS
Petroleum	☐	☐	☐
Chlorinated Solvents	☐	☐	☐
Other VOCs	☐	☐	☐
SVOCs	☑	☐	☐
Metals	☑	☐	☐
Pesticides	☐	☐	☐
PCBs	☐	☐	☐
PFAS	☐	☐	☐
1,4-dioxane	☐	☐	☐
Other – indicated below	☐	☐	☐

*Please describe other known contaminants and the media affected:

3. For each impacted medium above, include a site drawing indicating:
   - Sample location
   - Date of sampling event
   - Key contaminants and concentration detected
   - For soil, highlight exceedances of reasonably anticipated use
   - For groundwater, highlight exceedances of 6 NYCRR part 703.5
   - For soil gas/soil vapor/indoor air, refer to the NYS Department of Health matrix and highlight exceedances that require mitigation

These drawings are to be representative of all data being relied upon to determine if the site requires remediation under the BCP. Drawings should be no larger than 11"x17" and should only be provided electronically. These drawings should be prepared in accordance with any guidance provided.

Are the required drawings included with this application? ATTACHMENT 11 ◉ YES ○ NO

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: Residential and a former commercial garage on the southeastern portion of the site.

SECTION V: Requestor Information			
NAME CPG Phase VI Limited Partnership			
ADDRESS 8 West 38th Street, Suite 1102			
CITY/TOWN New York		ZIP CODE 10018	
PHONE 646-374-4755	EMAIL Lauren.Hauck@tcbinc.org		

	Y	N
1. Is the requestor authorized to conduct business in New York State (NYS)?	◉	○
2. If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS DOS 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 with this application to document that that requestor is authorized to conduct business in NYS. Is this attached? **ATTACHMENT 12**	◉	○
3. If the requestor is an LLC, the names of the members/owners need to be provided on a separate attachment. Is this attached? **Not Applicable**	○	○
4. Individuals that will be certifying BCP documents, as well as their employers, must 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. Do all individuals that will be certifying documents meet these requirements? **Documents that are not properly certified will not be approved under the BCP.**	◉	○

SECTION VI: Requestor Eligibility		
If answering "yes" to any of the following questions, please provide appropriate explanation and/or documentation as an attachment.		
	Y	N
1. Are any enforcement actions pending against the requestor regarding this site?	○	◉
2. Is the requestor subject to an existing order for the investigation, removal or remediation of contamination at the site?	○	◉
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.	○	◉
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 or regulation of the State or Federal government?	○	◉
5. Has the requestor previously been denied entry to the BCP? If so, please provide the site name, address, assigned DEC site number, the reason for denial, and any other relevant information regarding the denied application.	○	◉
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?	○	◉

SECTION VI: Requestor Eligibility (CONTINUTED)

	Y	N
7. Has the requestor been convicted of a criminal offence (i) involving the handling, storing, treating, disposing or transporting or contaminants; or (ii) that involved 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?	○	◉
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 a false statement in connection with any document or application submitted to DEC?	○	◉
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?	○	◉
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?	○	◉
11. Are there any unregistered bulk storage tanks on-site which require registration?	○	◉

12. 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 selecting this option, 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; and, (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.**

13. If the requestor is a volunteer, is a statement describing why the requestor should be considered a volunteer attached? ATTACHMENT 13

Yes ◉ No ○ N/A ○

SECTION VI: Requestor Eligibility (CONTINUTED)

14. Requestor relationship to the property (check one; if multiple applicants, check all that apply):

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

If the requestor is not the current owner, **proof of site access sufficient to complete remediation must be provided.** 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 environmental easement on the site.

Is this proof attached? ◉ Yes ○ No ATTACHMENT 14

Note: A purchase contract or lease agreement does not suffice as proof of site access.

SECTION VII: Requestor Contact Information

REQUESTOR'S REPRESENTATIVE Jesse Batus, Authorized Agent, Director of Development		
ADDRESS c/o The Community Builders, Inc., 8 West 38th Street, Suite 1102		
CITY New York		ZIP CODE 10018
PHONE 646-374-4754	EMAIL jbatus@tcbinc.org	
REQUESTOR'S CONSULTANT (CONTACT NAME) Kirk Moline, Managing Geologist		
COMPANY C.T. Male Associates		
ADDRESS 50 Century Hill Drive		
CITY Latham		ZIP CODE 12110
PHONE 518-786-7400	EMAIL k.moline@ctmale.com	
REQUESTOR'S ATTORNEY (CONTACT NAME) Ethan Ceplikas, General Counsel		
COMPANY The Community Builders, Inc.		
ADDRESS 185 Dartmouth Street		
CITY Boston		ZIP CODE 02116
PHONE 857-221-8634	EMAIL eceplikas@tcbinc.org	

SECTION VIII: Program Fee		
Upon submission of an executed Brownfield Cleanup Agreement to the Department, the requestor is required to pay a non-refundable program fee of $50,000. Requestors may apply for a fee waiver based on demonstration of financial hardship.		
	Y	N
1. Is the requestor applying for a fee waiver based on demonstration of financial hardship?	○	◉
2. If yes, appropriate documentation to demonstrate financial hardship must be provided with the application. See application instructions for additional information. Is the appropriate documentation included with this application?	○	○

SECTION IX: Current Property Owner and Operator Information ATTACHMENT 15		
CURRENT OWNER Municipal Housing Authority for the City of Yonkers		
CONTACT NAME Wilson Kimball		
ADDRESS 1511 Central Park Avenue		
CITY Yonkers		ZIP CODE 10710
PHONE 914-793-8400	EMAIL wkimball@mhacy.org	
OWNERSHIP START DATE 1948		
CURRENT OPERATOR Municipal Housing Authority for the City of Yonkers		
CONTACT NAME Wilson Kimball		
ADDRESS 1511 Central Park Avenue		
CITY Yonkers		ZIP CODE 10710
PHONE 914-793-8400	EMAIL wkimball@mhacy.org	
OPERATION START DATE 1948		

SECTION X: Property Eligibility Information		
	Y	N
1. Is/was the property, or any portion of the property, listed on the National Priorities List? If yes, please provide additional information.	○	◉
2. Is/was the property, or any portion of the property, listed on the NYS Registry of Inactive Hazardous Waste Disposal Site pursuant to ECL 27-1305? If yes, please provide the DEC site number: _____ Class: _____	○	◉

SECTION X: Property Eligibility Information (continued)		
	Y	N
3. Is/was the property subject to a permit under ECL Article 27, Title 9, other than an Interim Status facility? If yes, please provide: Permit Type: _____ EPA ID Number: _____ Date Permit Issued: _____ Permit Expiration Date: _____	○	◉
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? If yes, attach any available information related to previous owners or operators of the facility or property and their financial viability, including any bankruptcy filings and corporate dissolution documents. N/A ◉	○	○
5. Is the property subject to a cleanup order under Navigation Law Article 12 or ECL Article 17 Title 10? If yes, please provide the order number: _____	○	◉
6. Is the property subject to a state or federal enforcement action related to hazardous waste or petroleum? If yes, please provide additional information.	○	◉

SECTION XI: Site Contact List

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 mailing addresses of the following:

- The chief executive officer and planning board chairperson of each county, city, town and village in which the property is located.
- Residents, owners, and occupants of the property and adjacent properties.
- Local news media from which the community typically obtains information.
- The public water supplier which services the area in which the property is located.
- Any person who has requested to be placed on the contact list.
- The administrator of any school or day care facility located on or near the property.
- 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. **ATTACHMENTS 16 & 17**

SECTION XII: 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 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 an Authorized Agent (title) of CPG Phase VI Limited Partnership (entity); that I am authorized by that entity to make this application and execute a Brownfield Cleanup Agreement (BCA) and all subsequent documents; that this application was prepared by me or under my supervision and direction. 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 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: 6/13/22 Signature: _____

Print Name: Jesse Batus, Authorized Agent

SUBMITTAL INFORMATION

- Two (2) copies, one unbound paper copy of the application form with original signatures and table of contents, and one complete electronic copy in final, non-fillable 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, 11th Floor
  Albany, NY 12233-7020

PLEASE DO NOT SUBMIT PAPER COPIES OF SUPPORTING DOCUMENTS. Please provide a hard copy of ONLY the application form and a table of contents.

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

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.
BCP App Rev 13

Please respond to the questions below and provide additional information and/or documentation as required.	**Y**	**N**
1. Is the property located in Bronx, Kings, New York, Queens or Richmond County?	◯	◯
2. Is the requestor seeking a determination that the site is eligible for the tangible property credit component of the brownfield redevelopment tax credit?	◯	◯
3. Is at least 50% of the site area located within an environmental zone pursuant to NYS Tax Law 21(b)(6)?	◯	◯
4. Is the property upside down or underutilized as defined below?		
Upside down	◯	◯
Underutilized	◯	◯

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.

FOR SITES SEEKING TANGIBLE PROPERTY CREDITS IN NEW YORK CITY ONLY (continued)

5. 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*
   *Selecting this option 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' household's 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 homeowners 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.

FOR SITES SEEKING TANGIBLE PROPERTY CREDITS IN NEW YORK CITY ONLY (continued)

6. Is the site a planned renewable energy facility site as defined below?

   ◯ Yes – planned renewable energy facility site

   ◯ No – not a planned renewable energy facility site

   If yes, please provide any documentation available to demonstrate that the property is planned to be developed as a renewable energy facility site.

From ECL 27-1405(33) as of April 9, 2022:

"Renewable energy facility site" shall mean real property (a) this is used for a renewable energy system, as defined in section sixty-six-p of the public service law; or (b) any co-located system storing energy generated from such a renewable energy system prior to delivering it to the bulk transmission, sub-transmission, or distribution system.

From Public Service Law Article 4 Section 66-p as of April 23, 2021:

(b) "renewable energy systems" means systems that generate electricity or thermal energy through use of the following technologies: solar thermal, photovoltaics, on land and offshore wind, hydroelectric, geothermal electric, geothermal ground source heat, tidal energy, wave energy, ocean thermal, and fuel cells which do not utilize a fossil fuel resource in the process of generating electricity.

7. Is the site located within a disadvantaged community, within a designated Brownfield Opportunity Area, and meets the conformance determinations pursuant to subdivision ten of section nine-hundred-seventy-r of the general municipal law?

   ◯ Yes

   ◯ No

From ECL 75-0111 as of April 9, 2022:

(5) "Disadvantaged communities" means communities that bear the burdens of negative public health effects, environmental pollution, impacts of climate change, and possess certain socioeconomic criteria, or comprise high-concentrations of low- and moderate-income households, as identified pursuant to section 75-0111 of this article.

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BCP APPLICATION SUMMARY (FOR DEC USE ONLY)			
SITE NAME Ridgeway Phase VI Site	SITE ADDRESS 8 Cottage Place		
CITY Yonkers	COUNTY Westchester		ZIP 10701
REQUESTOR NAME CPG Phase VI Limited Partnership	REQUESTOR ADDRESS 8 West 38th Street, Suite 1102		
CITY New York	ZIP 10018	EMAIL Lauren.Hauck@tcbinc.org	

PROPERTY ADDRESS	SECTION	BLOCK	LOT
8 Cottage Place, City of Yonkers, Westchester County	2.	2094	1

REQUESTOR'S REPRESENTATIVE		
NAME Jesse Batus, Authorized Agent	ADDRESS c/o The Community Builders, Inc., 8 West 38th Street, Suite 1102	
CITY New York	ZIP 10018	EMAIL jbatus@tcbinc.org
REQUESTOR'S ATTORNEY		
NAME Ethan Ceplikas, General Counsel	ADDRESS 185 Dartmouth Street	
CITY Boston	ZIP 02116	EMAIL eceplikas@tcbinc.org
REQUESTOR'S CONSULTANT		
NAME Kirk Moline, Managing Geologist	ADDRESS 50 Century Hill Drive	
CITY Latham	ZIP 12110	EMAIL k.moline@ctmale.com

REQUESTOR'S REQUESTED STATUS	PARTICIPANT ☐	VOLUNTEER ☑
DEC DETERMINATION	AGREE	DISAGREE

APPLIED FOR FEE WAIVER	YES ○	NO ◉
ELIGIBLE FOR FEE WAIVER	YES	NO

PERCENTAGE WITHIN AN EN-ZONE	0% ○	<50% ○	50-99% ○	100% ◉
DEC DETERMINATION	AGREE		DISAGREE	

BCP APPLICATION SUMMARY (FOR DEC USE ONLY) (CONTINUED)		
FOR SITES IN NEW YORK CITY ONLY		
IS THE REQUESTOR SEEKING TANGIBLE PROPERTY CREDITS?	YES ◯	NO ◯

UPSIDE DOWN	YES ◯	NO ◯
DEC DETERMINATION	AGREE	DISAGREE

UNDERUTILIZED	YES ◯	NO ◯
DEC DETERMINATION	AGREE	DISAGREE

AFFORDABLE HOUSING STATUS	PLANNED ◯	YES ◯	NO ◯
DEC DETERMINATION		AGREE	DISAGREE

DISADVANTAGED COMMUNITY AND CONFORMING BOA	YES ◯	NO ◯
DEC DETERMINATION	AGREE	DISAGREE

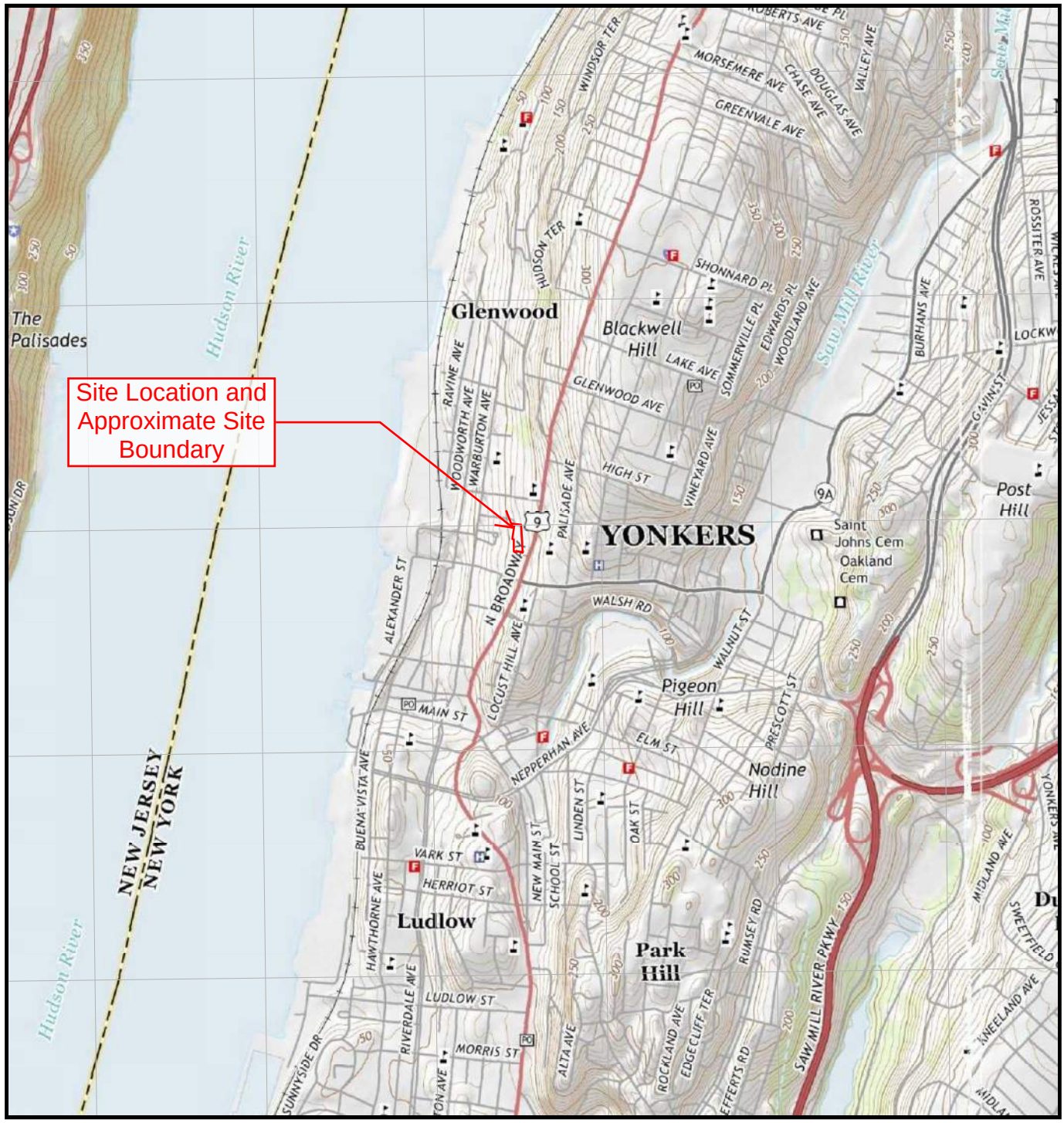
RENEWABLE ENERGY FACILITY SITE	YES ◯	NO ◯
DEC DETERMINATION	AGREE	DISAGREE

NOTES:

LIST OF ATTACHMENTS

RIDGEWAY PHASE VI SITE BCP APPLICATION FORM

Attachment 1:	Site Location Map
Attachment 2:	Property Tax Map
Attachment 3:	Property Base Map
Attachment 4:	Zoning Map
Attachment 5:	Property Description and Environmental Assessment
Attachment 6:	Information About the Project
Attachment 7:	Current and Proposed Site Use
Attachment 8:	Phase II ESA Report for the Site
Attachment 9:	Environmental Data Summary Tables
Attachment 10:	Laboratory Reports
Attachment 11:	Site Drawing of Environmental Data
Attachment 12:	NYSDOS Entity ID
Attachment 13:	Volunteer Statement
Attachment 14:	Site Access Agreement
Attachment 15:	Property Owner and Operator Information
Attachment 16:	Site Contact List
Attachment 17:	Document Repository Acknowledgement



MAP REFERENCE
United States Geological Survey
7.5 Minute Series Topographic Map
Quadrangles: Mount Vernon, NY and Yonkers, NY
Date: 2016

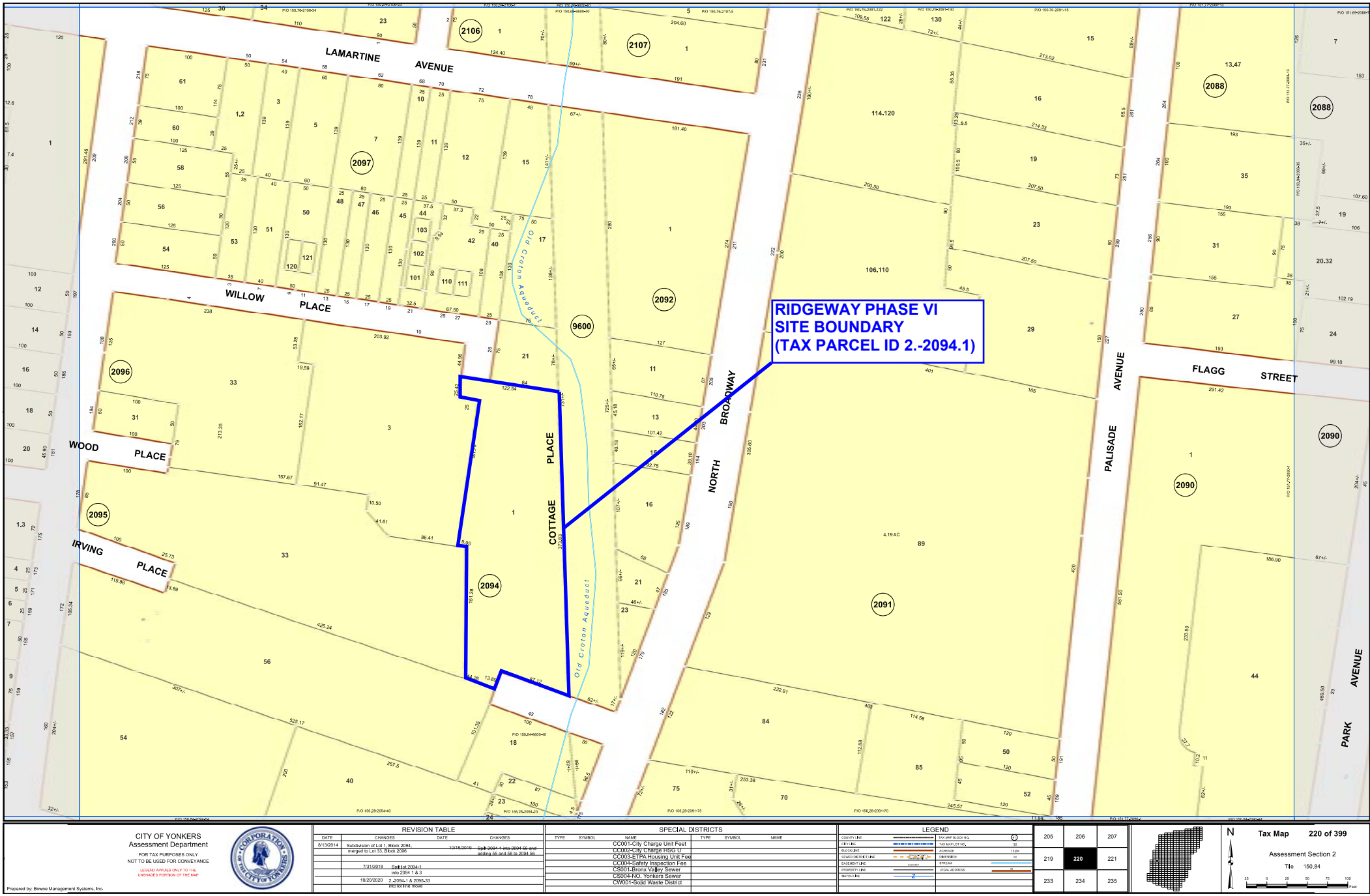
N

C.T.MALE ASSOCIATES
ENGINEERING, SURVEYING, ARCHITECTURE
LANDSCAPE ARCHITECTURE & GEOLOGY, D.P.C.
50 CENTURY HILL DRIVE
LATHAM, NY 12110

FIGURE 1 - SITE LOCATION MAP

CITY OF YONKERS	WESTCHESTER COUNTY, NY
SCALE: 1:24,000	The locations and features depicted on this map are approximate and do not represent an actual survey.
DRAFTER: RH/ML	
PROJECT No.: 22.2208	

Attachment 2: Property Tax Map



CITY OF YONKERS
Assessment Department

FOR TAX PURPOSES ONLY
NOT TO BE USED FOR CONVEYANCE

LEGEND APPLIES ONLY TO THE UNSHADED PORTION OF THE MAP

Prepared by: Bowne Management Systems, Inc.

REVISION TABLE

DATE	CHANGES	DATE	CHANGES
8/13/2014	Subdivision of Lot 1, Block 2094, merged to Lot 33, Block 2096	10/15/2019	Sub 2094-1 into 2094-66 and adding 57 and 58 to 2094-56
7/31/2018	Split lot 2094-1 into 2094.1 & 3		
10/20/2020	2.-2094-1 & 2095-33 into lot line move		

SPECIAL DISTRICTS

TYPE	SYMBOL	NAME
		CC001-City Charge Unit Feet
		CC002-City Charge HSG U
		CC003-ETPA Housing Unit Fee
		CC004-Safety Inspection Fee
		CS001-Bronx Valley Sewer
		CS004-NO. Yonkers Sewer
		CW001-Solid Waste District

LEGEND

COUNTY LINE	TAX MAP BLOCK NO.
CITY LINE	TAX MAP LOT NO.
BLOCK LINE	ACREAGE
SEWER DISTRICT LINE	DIMENSION
EASEMENT LINE	STREAM
PROPERTY LINE	LEGAL ADDRESS
MATCH LINE	

205	206	207
219	**220**	221
233	234	235

Tax Map 220 of 399

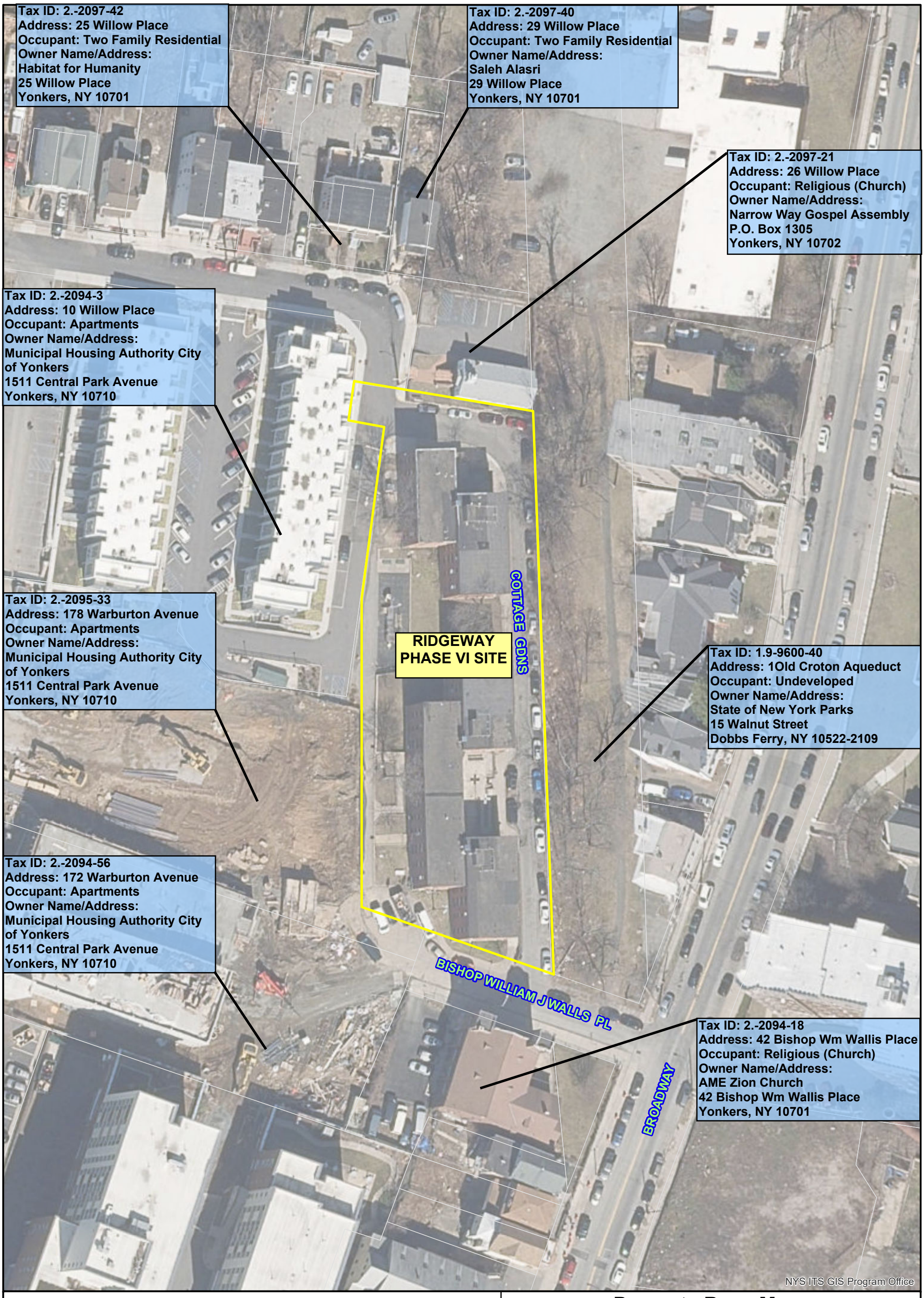
Assessment Section 2

Tile 150,84

N

25 0 25 50 75 100 Feet

Attachment 3: Property Base Map



0 30 60 120 FT

1 inch = 60 feet

Legend

Phase 6

Yonkers Tax Parcels (2020)

N W E S

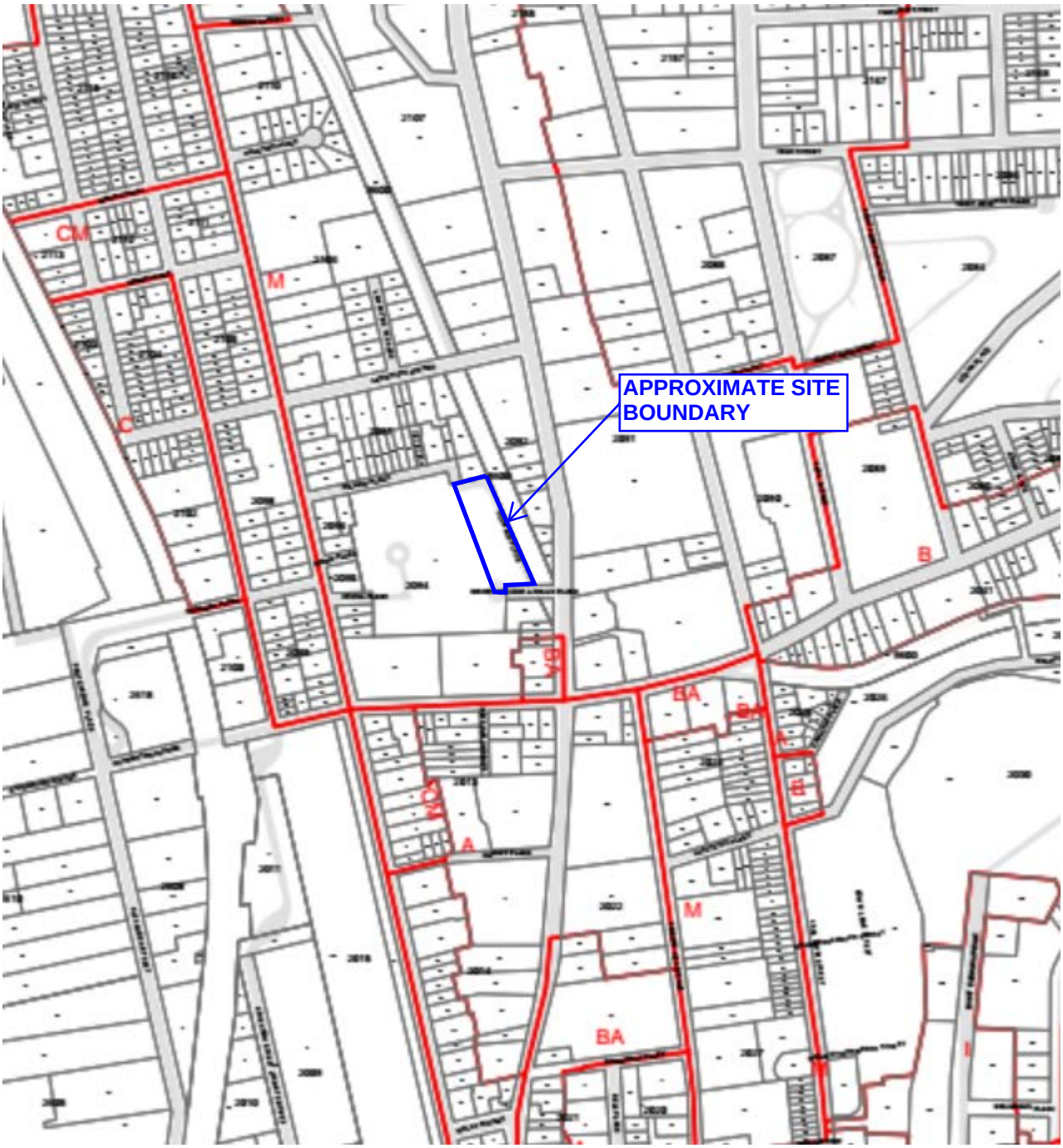
Project Number: 22.2208
Data Source: NYSGIS Clearinghouse, BING, LandMax
Projection: State Plane NAD83 NYE (feet)
Date: April 12, 2022
File: 188WarburtonSitePhase6_18x24.mxd
GIS: D Landreville

Note: The locations and features depicted on this map are approximate and do not represent an actual field survey.

Property Base Map
RIDGEWAY PHASE VI SITE

City of Yonkers **Westchester County, New York**

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.
50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299



MAP REFERENCE
City of Yonkers Zoning Map

M = Medium Density - Residential and Apartment Houses

C.T.MALE ASSOCIATES
ENGINEERING, SURVEYING, ARCHITECTURE & LANDSCAPE ARCHITECTURE, D.P.C.
50 CENTURY HILL DRIVE
LATHAM, NY 12110

CITY OF YONKERS ZONING MAP
RIDGEWAY PHASE VI SITE

CITY OF YONKERS	WESTCHESTER COUNTY, NY
SCALE: NOT TO SCALE	The locations and features depicted on this map are approximate and do not represent an actual survey.
DRAFTER: SB	
PROJECT No: 22.2208	

Attachment 5: Property Description and Environmental Assessment

Property Description

Location

The Ridgeway Phase VI Site is located in an urban area within the City of Yonkers, Westchester County, New York. The Site is approximately 1.01 acres in size and constitutes the entirety of tax parcel 2.-2094-1. The Site is addressed as 8 Cottage Place and is located within eastern portions of the Cottage Place Gardens (CPG) apartment complex. A Site Location Map is included in **Attachment 1** of this application.

Site Features

The site is developed with two (2) multi-story brick apartment buildings surrounded by landscaped areas, concrete walkways and an asphalt paved accessway. The apartment buildings are identified as buildings 1 and 2 of the CPG complex and were constructed in the 1940's during development of the CPG complex. The apartment buildings are currently occupied and will not be refilled as vacancies occur.

Current Zoning and Land Use

The site is zoned "M" – Apartments Medium Density. The site is currently being used as an apartment complex and will continue to be used as an apartment complex upon completion of its redevelopment. The surrounding parcels are primarily used for residential purposes with an interspersing of small convenience stores. See attached zoning map in **Attachment 4** of the application.

Past Use of the Site

The Site has consisted of a portion of the CPG public housing apartment complex since its construction in the 1940s. Prior to this time, the CPG complex was developed with multiple single and multi-family dwellings, stores and a garage since as early as 1886.

Several Phase I and II Environmental Site Assessments have been conducted on the Site from 2014 to 2022 to assess the Site's environmental quality. Results of these investigations concluded that fill material mantling the Site (and the remainder of the CPG apartment complex) are impacted by compounds and analytes exceeding regulatory standards and guidance values for the Site's anticipated use as an apartment complex.

The CPG complex is undergoing phased redevelopment into low to moderate income housing. Previous phases 1, 2, 3, 4 and 5 of the redevelopments have each been accepted into the Brownfield Cleanup Program (BCP) pursuant to similar contaminants of concern in soil/fill and groundwater.

Site Geology and Hydrogeology

The site is mantled by fill material that typically consists of fine to coarse sand, containing little to some gravel, various amounts of silt, and occasional cobbles, brick, porcelain, ash, coal, concrete, glass and metal. The thickness of the fill deposit ranges from six (6) inches to approximately five (5) feet below the ground surface.

In some instances, sand underlies the uncontrolled fill. This deposit generally consists of a fine or fine to medium gradation and contains little to some silt and trace to little amounts of gravel. Occasional cobbles were also encountered within this deposit. The deposit was found to extend to depths of approximately six (6) to 10 feet below the ground surface and was a glacial till type soil.

Underlying the sand deposit, or the uncontrolled fill deposit where sand was not present, was glacial till. In general, the glacial till was similar in composition to the previously discussed sand deposit, although it contained largely only fine sand and had little amounts of coarse sand and gravel embedded within the soils' matrix. Numerous cobbles and larger boulders were encountered throughout the explored depths of the deposit.

The depth to groundwater is currently unknown. Monitoring wells that were installed during previous investigations did not produce groundwater. The Site slopes moderately from east to west towards the Hudson River. Based on the soil types encountered and Site and area topography, groundwater movement within the Site is expected to be generally from the east to west.

Environmental Assessment

The site's environmental quality was assessed from 2014 to 2022 via the completion of three (3) Phase I ESAs, two (2) Phase II ESAs and two (2) Final Engineering Reports (FER) associated with the remediation of two (2) BCP sites that adjoin the Site to the west (CPG Phase 3A Parcel Site [C360150] and CPG Phase 5 Parcel Site [C360161]) . The findings of the environmental assessments and FERs are presented in the previously referenced Phase II ESA report which is included in **Attachment 8**.

Soil and Fill

Results of previous investigations identify semi-volatile organic compounds (SVOCs) and metals above Restricted Residential Use soil cleanup objectives (SCOs) at varying frequencies across the Site. The highest frequencies of detections above Restricted Residential Use SCOs were for the metals lead and polycyclic aromatic hydrocarbons (Benzo[a]anthracene, Benzo[b]fluoranthene, and Indeno[1,2,3-cd]pyrene). The aforementioned analyte detections are consistent with analytes that were detected above SCOs during all previous phases of the CPG redevelopment that entered into the BCP. See the Site Drawing of Environmental Data in **Attachment 11**.

SVOCs were detected above SCOs at sampling locations representative of fill material within the northern and western portions of the Site. The samples were collected at depths ranging from surface grade to four (4) feet below the ground surface. Lead and other metals (barium and mercury) were detected at sampling locations within the western portions of the Site in fill material at depths ranging from surface grade to four (4) feet below the ground surface.

Elevated levels of lead (above 2,000 milligrams per kilogram [mg/kg]) were detected in the northern and southwestern portions of the Site. These levels of lead have the potential to be deemed hazardous, as these concentrations are greater than the Toxicity Characteristic Rule (more than 20 times the toxicity limit for lead [5 mg/L]). Furthermore, hazardous lead has been documented in fill/soil that was remediated at the adjoining CPG Phase 3A Parcel Site BCP site (C360150) and the CPG Phase 5 Parcel Site BCP site (C360161) as documented in the corresponding FERs, which are included (text only) in the Phase II ESA Report for the Site in **Attachment 8**.

Groundwater

Monitoring wells installed within the Site during previous investigations did not produce groundwater.

Soil Gas, Soil Vapor and Indoor Air Quality

Soil gas, soil vapor and indoor air quality assessments were not conducted during the previous environmental assessments.

Attachment 6: Information About the Project

The purpose of the project is to remediate and redevelop a portion of an existing aging public housing apartment complex with new low to moderate income housing with lounge, fitness room, parking and open space recreation. The existing public housing complex was built in the 1940's and is referenced as the Cottage Place Gardens (CPG) apartment complex. The overall CPG apartment complex is undergoing phased redevelopment into low to moderate income housing. Phases 1 to 4 are complete and Phase 5 is underway. This project will constitute the final Phase 6 of redevelopment.

The remedial program is anticipated to start in the Summer/Fall of 2022. The Certificate of Completion is anticipated in the Summer of 2024. The remedial program will include the remediation of the Site's soil/fill to Track 1 (unrestricted use) cleanup levels.

Attachment 7: Current and Proposed Site Use

Applicable Zoning Laws/Maps

According to the City of Yonkers Zoning Map, the property is zoned within the "M" district, for Apartments - Medium Density. See the attached zoning map as **Attachment 4** to the application.

Current Use

The property is developed with two (2) multi-story brick apartment buildings that have been utilized for public housing since the buildings were developed in the 1940's. Prior to that time the site was occupied by dwellings, stores and a commercial garage.

Based on the results of several previous environmental investigations conducted on the Site, known and potential contaminant source areas at the site include the uncontrolled fill material mantling the site which is impacted by SVOCs and metals at concentrations exceeding SCOs for the anticipated use of the Site.

Reasonably Anticipated Use – Post Remediation

The intended use of the property will be for multi-family residential purposes and will include the construction of residential apartment buildings with associated lounge, fitness room and open space recreation, which is consistent with present and future area development trends.

Do Historic/Current Development Trends Support the Proposed Use?

The property's redevelopment for multi-family residential purposes is consistent with current and historical development patterns for the property and its surroundings, and consistent with the property's zoning. The property is currently, and has historically, been utilized for multi-family residential purposes. Surrounding land usage consists of multi-family public housing to the west and undeveloped, institutional (Church) and residential development to the north, south and east.

Proposed Use Consistent with Applicable Community Master Plans, Local Waterfront Revitalization Plans, or Other Adopted Land Use Plans?

The Site boundaries are located within the Warburton – Ravine Avenue Urban Renewal Area Plan for Yonkers, New York. See following pages for detail.

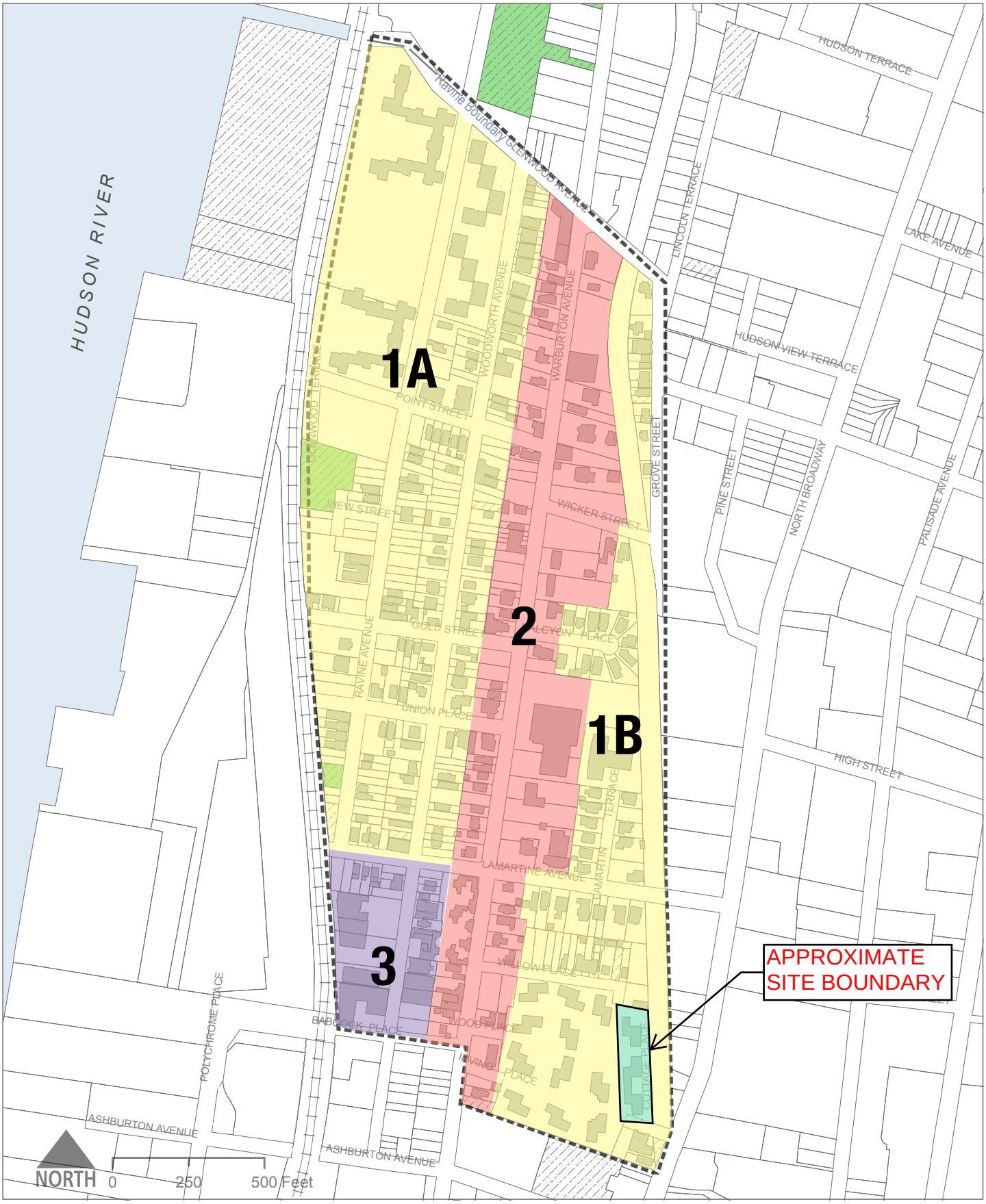
REVISED

Warburton - Ravine Avenue Urban Renewal Area Plan
Yonkers, New York

Prepared for:
Yonkers Community Development Agency and
The City of Yonkers Department of Planning and Development
Yonkers City Hall
40 South Broadway
Yonkers, NY 10701-3700

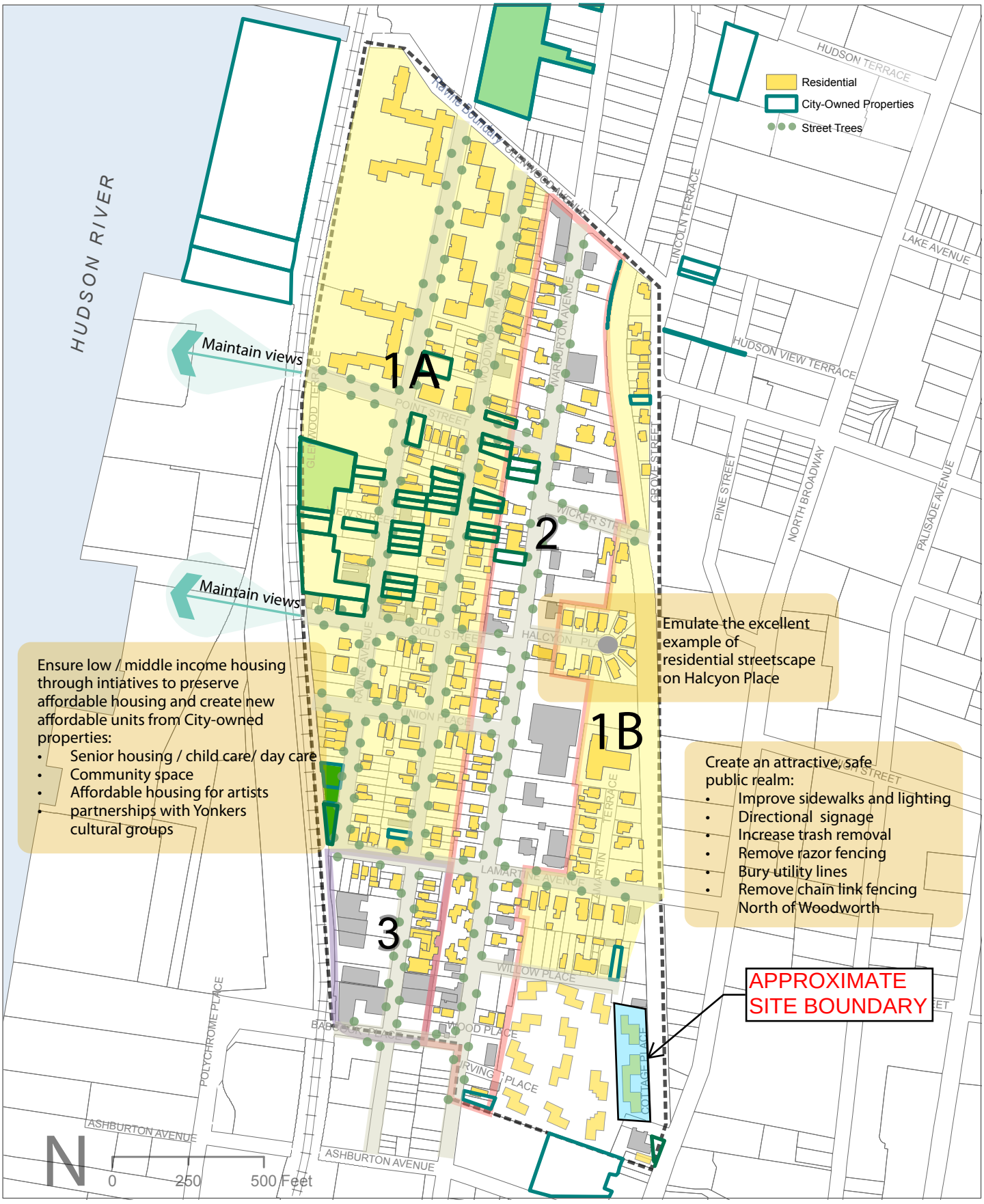
December 2010

Action Areas



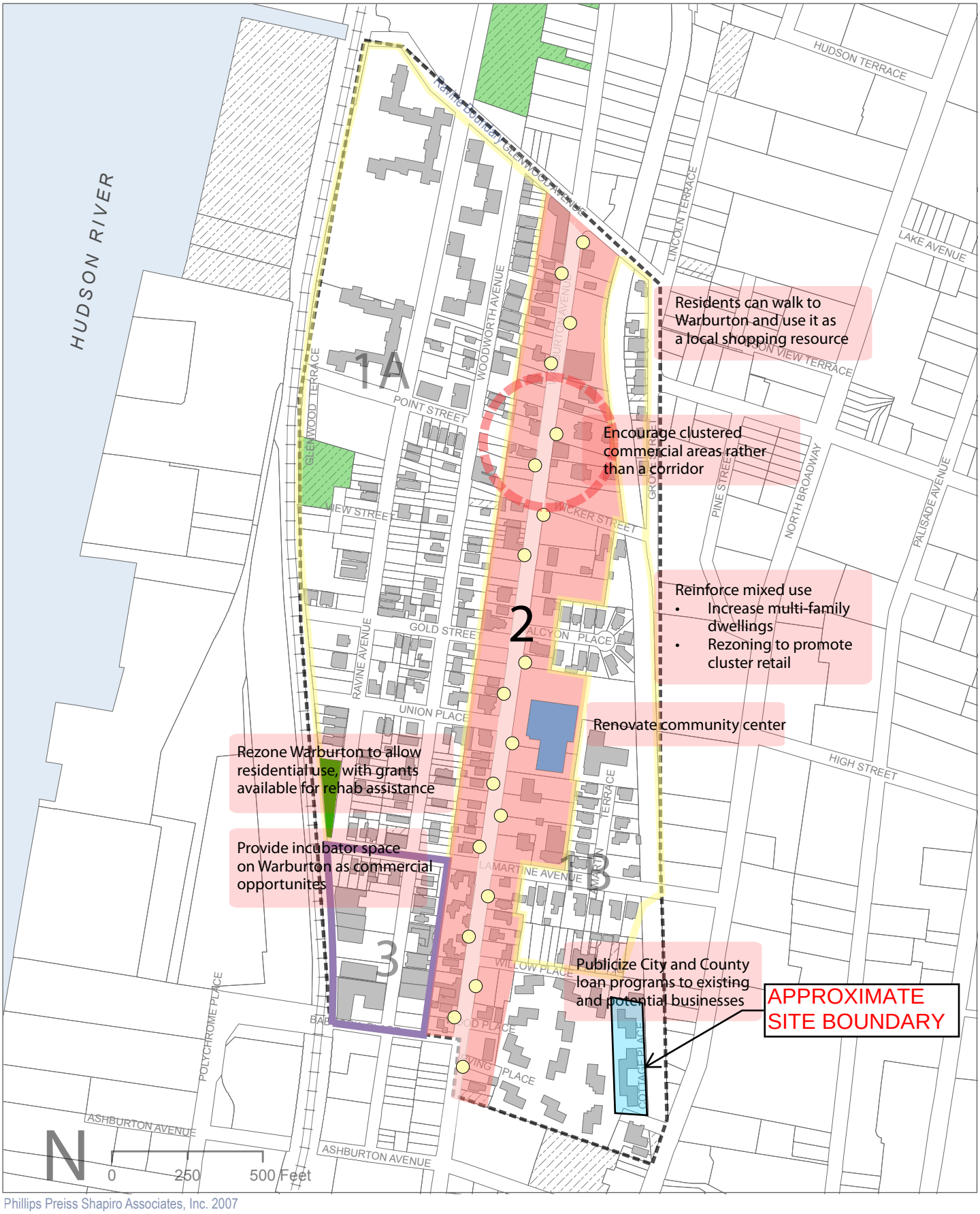
Phillips Preiss Shapiro Associates, Inc. 2007

Action Areas 1A & 1B



Phillips Preiss Shapiro Associates, Inc. 2007

Action Area 2



Phillips Preiss Shapiro Associates, Inc. 2007

Attachment 8: Phase II ESA Report For the Site

Submitted as a Separate File.

TABLE 1: SUMMARY OF ANALYTES EXCEEDING RESTRICTED RESIDENTIAL USE SCOs
COTTAG EPLACE GARDENS PHASE 6 PARCEL SITE
CITY OF YONKERS, WESTECHESTER COUNTY

Analytes >Restricted Residential (RR) SCOs	Detections >RR SCOs	Maximum Detection (ppm)	RR SCO (ppm)	Depth (ft bgs)
Benzo(a)anthracene	4	4.2	1	0 - 4
Benzo(a)pyrene	3	3.7	1	0 - 4
Benzo(b)fluoranthene	4	4.6	1	0 - 4
Dibenzo(a,h)anthracene	1	0.91	0.33	3.5
Indeno(1,2,3-cd)pyrene	3	2.8	0.5	2.5 - 3.5
Barium, Total	2	503	400	0 - 4
Lead, Total	5	2680	400	0 - 4
Mercury, Total	1	1.36	0.81	0 - 4

C.T. MALE ASSOCIATES

TABLE 2 - SOIL ANALYTICAL RESULTS SUMMARY - DETECTIONS ONLY
2022 PHASE II ESA
COTTAGE PLACE GARDENS PHASE 6 PARCEL
CITY OF YONKERS, WESTCHESTER COUNTY

		SAMPLE ID:	SB-2022-01				SB-2022-02				SB-2022-03				SB-2022-04			
		LAB ID:	L2202943-04				L2202943-05				L2202943-02				L2202943-01			
		COLLECTION DATE:	1/18/2022				1/19/2022				1/18/2022				1/18/2022			
		SAMPLE DEPTH:	0-5'				3-5'				3.0'				1.0'			
		SAMPLE MATRIX:	SOIL				SOIL				SOIL				SOIL			
		NY-RR SCOs[1]																
ANALYTE	CAS	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANICS BY GC/MS																		
2-Methylnaphthalene	91-57-6	NS	ND		0.23	0.023	ND		0.22	0.023	ND		0.22	0.022	ND		0.23	0.023
Acenaphthene	83-32-9	100	ND		0.15	0.02	ND		0.15	0.019	ND		0.15	0.019	ND		0.16	0.02
Acenaphthylene	208-96-8	100	ND		0.15	0.029	ND		0.15	0.029	ND		0.15	0.028	ND		0.16	0.03
Anthracene	120-12-7	100	ND		0.11	0.037	ND		0.11	0.036	ND		0.11	0.036	ND		0.12	0.038
Benzaldehyde	100-52-7	NS	ND		0.25	0.051	ND		0.25	0.05	ND		0.24	0.05	ND		0.26	0.052
Benzo(a)anthracene	56-55-3	1	0.1	J	0.11	0.021	ND		0.11	0.021	0.047	J	0.11	0.021	0.036	J	0.12	0.022
Benzo(a)pyrene	50-32-8	1	0.086	J	0.15	0.046	ND		0.15	0.046	0.049	J	0.15	0.045	ND		0.16	0.047
Benzo(b)fluoranthene	205-99-2	1	0.12		0.11	0.032	ND		0.11	0.032	0.051	J	0.11	0.031	ND		0.12	0.033
Benzo(ghi)perylene	191-24-2	100	0.057	J	0.15	0.022	ND		0.15	0.022	0.036	J	0.15	0.022	ND		0.16	0.023
Benzo(k)fluoranthene	207-08-9	3.9	0.032	J	0.11	0.03	ND		0.11	0.03	ND		0.11	0.029	ND		0.12	0.031
Bis(2-ethylhexyl)phthalate	117-81-7	NS	0.12	J	0.19	0.066	ND		0.19	0.065	ND		0.18	0.064	ND		0.19	0.067
Carbazole	86-74-8	NS	ND		0.19	0.018	ND		0.19	0.018	ND		0.18	0.018	ND		0.19	0.019
Chrysene	218-01-9	3.9	0.096	J	0.11	0.02	ND		0.11	0.019	0.043	J	0.11	0.019	0.032	J	0.12	0.02
Dibenzo(a,h)anthracene	53-70-3	0.33	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.021	ND		0.12	0.022
Dibenzofuran	132-64-9	59	ND		0.19	0.018	ND		0.19	0.018	ND		0.18	0.017	ND		0.19	0.018
Fluoranthene	206-44-0	100	0.19		0.11	0.022	ND		0.11	0.021	0.071	J	0.11	0.021	0.076	J	0.12	0.022
Fluorene	86-73-7	100	ND		0.19	0.018	ND		0.19	0.018	ND		0.18	0.018	ND		0.19	0.019
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.058	J	0.15	0.026	ND		0.15	0.026	0.033	J	0.15	0.026	ND		0.16	0.027
Naphthalene	91-20-3	100	ND		0.19	0.023	ND		0.19	0.023	ND		0.18	0.022	ND		0.19	0.024
Phenanthrene	85-01-8	100	0.12		0.11	0.023	ND		0.11	0.023	0.033	J	0.11	0.022	0.094	J	0.12	0.024
Pyrene	129-00-0	100	0.18		0.11	0.019	ND		0.11	0.019	0.083	J	0.11	0.018	0.063	J	0.12	0.019
Total SVOCs		NS	1.159	-	-	-	-	-	-	-	0.446	-	-	-	0.301	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS-TIC																		
Unknown		NS	0.215	J	0	0	-		-	-	-		-	-	-		-	-
Unknown		NS	0.248	J	0	0	-		-	-	-		-	-	-		-	-
Unknown		NS	0.273	J	0	0	-		-	-	-		-	-	-		-	-
Unknown		NS	0.28	J	0	0	-		-	-	-		-	-	-		-	-
Unknown		NS	0.171	J	0	0	-		-	-	-		-	-	-		-	-
Unknown		NS	0.288	J	0	0	-		-	-	-		-	-	-		-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	-		-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	-		-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	-		-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	-		-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	-		-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	-		-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	-		-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	-		-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds		NS	1.48	J	0	0	-		-	-	-		-	-	-		-	-
ORGANOCHLORINE PESTICIDES BY GC																		
4,4'-DDT	50-29-3	7.9	-		-	-	-		-	-	-		-	-	-		-	-
trans-Chlordane	5103-74-2	NS	-		-	-	-		-	-	-		-	-	-		-	-

C.T. MALE ASSOCIATES

TABLE 2 - SOIL ANALYTICAL RESULTS SUMMARY - DETECTIONS ONLY
2022 PHASE II ESA
COTTAGE PLACE GARDENS PHASE 6 PARCEL
CITY OF YONKERS, WESTCHESTER COUNTY

		SAMPLE ID:	SB-2022-01				SB-2022-02				SB-2022-03				SB-2022-04			
		LAB ID:	L2202943-04				L2202943-05				L2202943-02				L2202943-01			
		COLLECTION DATE:	1/18/2022				1/19/2022				1/18/2022				1/18/2022			
		SAMPLE DEPTH:	0-5'				3-5'				3.0'				1.0'			
		SAMPLE MATRIX:	SOIL				SOIL				SOIL				SOIL			
		NY-RR SCOs[1]																
ANALYTE	CAS	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
TOTAL METALS																		
Aluminum, Tota	7429-90-5	NS	8260		8.9	2.4	8310		8.79	2.37	8130		8.85	2.39	10100		8.98	2.42
Antimony, Tota	7440-36-0	NS	ND		4.45	0.338	ND		4.39	0.334	ND		4.42	0.336	ND		4.49	0.341
Arsenic, Total	7440-38-2	16	2.8		0.89	0.185	1.54		0.879	0.183	2.81		0.885	0.184	1.73		0.898	0.187
Barium, Tota	7440-39-3	400	43.2		0.89	0.155	23		0.879	0.153	45.2		0.885	0.154	46.7		0.898	0.156
Beryllium, Tota	7440-41-7	72	0.24	J	0.445	0.029	0.246	J	0.439	0.029	0.266	J	0.442	0.029	0.26	J	0.449	0.03
Cadmium, Tota	7440-43-9	4.3	0.32	J	0.89	0.087	0.228	J	0.879	0.086	0.31	J	0.885	0.087	0.26	J	0.898	0.088
Calcium, Total	7440-70-2	NS	943		8.9	3.12	664		8.79	3.08	999		8.85	3.1	756		8.98	3.14
Chromium, Tota	7440-47-3	180	23.5		0.89	0.086	17.1		0.879	0.084	15.4		0.885	0.085	25.6		0.898	0.086
Cobalt, Tota	7440-48-4	NS	6.82		1.78	0.148	5.09		1.76	0.146	4.83		1.77	0.147	5.11		1.8	0.149
Copper, Tota	7440-50-8	270	14		0.89	0.23	8.23		0.879	0.227	14.2		0.885	0.228	17.8		0.898	0.232
Iron, Total	7439-89-6	NS	12800		4.45	0.804	12100		4.39	0.794	11700		4.42	0.799	14000		4.49	0.811
Lead, Tota	7439-92-1	400	65.3		4.45	0.239	4.47		4.39	0.236	73.5		4.42	0.237	9.35		4.49	0.241
Magnesium, Tota	7439-95-4	NS	1950		8.9	1.37	2180		8.79	1.35	1790		8.85	1.36	2150		8.98	1.38
Manganese, Tota	7439-96-5	2000	214		0.89	0.142	174		0.879	0.14	162		0.885	0.141	103		0.898	0.143
Mercury, Tota	7439-97-6	0.81	0.59		0.08	0.052	ND		0.083	0.054	0.138		0.082	0.054	ND		0.083	0.054
Nickel, Total	7440-02-0	310	12.6		2.23	0.215	9.57		2.2	0.213	10		2.21	0.214	14.8		2.24	0.217
Potassium, Tota	7440-09-7	NS	355		223	12.8	313		220	12.6	373		221	12.7	547		224	12.9
Selenium, Tota	7782-49-2	180	ND		1.78	0.23	ND		1.76	0.227	ND		1.77	0.228	ND		1.8	0.232
Sodium, Tota	7440-23-5	NS	194		178	2.8	584		176	2.77	57.3	J	177	2.79	197		180	2.83
Vanadium, Tota	7440-62-2	NS	23.9		0.89	0.181	20.4		0.879	0.178	21.2		0.885	0.18	27.9		0.898	0.182
Zinc, Total	7440-66-6	10,000	47.5		4.45	0.261	19.8		4.39	0.258	56		4.42	0.259	26.5		4.49	0.263
GENERAL CHEMISTRY																		
Solids, Total	NONE	NS	87.4		0.1	NA	88.2		0.1	NA	89.1		0.1	NA	85.4		0.1	NA
GENERAL CHEMISTRY																		
Chromium, Hexavalen	18540-29-9	110	ND		0.91	0.182	ND		0.906	0.181	ND		0.898	0.18	ND		0.917	0.183
Solids, Total	NONE		87.9		0.1	NA	88.3		0.1	NA	89.1		0.1	NA	87.2		0.1	NA

(1) Soil Cleanup Objectives (SCOs) for Restricted Residential (RR) Use Sites promulgated at 6 NYCRR Part 37
NS denotes No Standarc
J denotes an estimated valu

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TABLE 2 - SOIL ANALYTICAL RESULTS SUMMARY - DETECTIONS ONLY
2022 PHASE II ESA
COTTAGE PLACE GARDENS PHASE 6 PARCEL
CITY OF YONKERS, WESTCHESTER COUNTY

		SAMPLE ID:	SB-2022-05				SB-2022-06				SB-2022-07-220207				SB-2022-10-220210			
		LAB ID:	L2202943-03				L2202943-06				L2206515-01				L2207030-01			
		COLLECTION DATE:	1/18/2022				1/19/2022				2/7/2022				2/9/2022			
		SAMPLE DEPTH:	2-3'				1-2'				0-2'				0-4'			
		SAMPLE MATRIX:	SOIL				SOIL				SOIL				SOIL			
		NY-RR SCOs[1]																
ANALYTE	CAS	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANICS BY GC/MS																		
2-Methylnaphthalene	91-57-6	NS	ND		0.63	0.064	ND		0.22	0.022	ND		0.23	0.023	0.044	J	0.23	0.023
Acenaphthene	83-32-9	100	ND		0.42	0.054	ND		0.15	0.019	ND		0.15	0.02	0.058	J	0.16	0.02
Acenaphthylene	208-96-8	100	ND		0.42	0.081	ND		0.15	0.028	ND		0.15	0.029	0.14	J	0.16	0.03
Anthracene	120-12-7	100	ND		0.32	0.1	ND		0.11	0.036	ND		0.11	0.037	0.32		0.12	0.038
Benzaldehyde	100-52-7	NS	ND		0.7	0.14	ND		0.24	0.049	ND		0.25	0.051	0.06	J	0.26	0.052
Benzo(a)anthracene	56-55-3	1	0.16	J	0.32	0.059	0.067	J	0.11	0.021	ND		0.11	0.021	**1.1**		**0.12**	**0.022**
Benzo(a)pyrene	50-32-8	1	0.14	J	0.42	0.13	0.07	J	0.15	0.045	ND		0.15	0.046	**1.1**		**0.16**	**0.047**
Benzo(b)fluoranthene	205-99-2	1	0.18	J	0.32	0.089	0.079	J	0.11	0.031	ND		0.11	0.032	**1.4**		**0.12**	**0.033**
Benzo(ghi)perylene	191-24-2	100	0.076	J	0.42	0.062	0.042	J	0.15	0.022	ND		0.15	0.022	0.88		0.16	0.023
Benzo(k)fluoranthene	207-08-9	3.9	ND		0.32	0.084	ND		0.11	0.029	ND		0.11	0.03	0.45		0.12	0.031
Bis(2-ethylhexyl)phthalate	117-81-7	NS	ND		0.53	0.18	ND		0.18	0.063	ND		0.19	0.066	ND		0.19	0.067
Carbazole	86-74-8	NS	ND		0.53	0.051	ND		0.18	0.018	ND		0.19	0.018	0.15	J	0.19	0.019
Chrysene	218-01-9	3.9	0.14	J	0.32	0.055	0.069	J	0.11	0.019	ND		0.11	0.02	1.1		0.12	0.02
Dibenzo(a,h)anthracene	53-70-3	0.33	ND		0.32	0.061	ND		0.11	0.021	ND		0.11	0.022	0.17		0.12	0.022
Dibenzofuran	132-64-9	59	ND		0.53	0.05	ND		0.18	0.017	ND		0.19	0.018	0.076	J	0.19	0.018
Fluoranthene	206-44-0	100	0.27	J	0.32	0.06	0.13		0.11	0.021	ND		0.11	0.022	2.5		0.12	0.022
Fluorene	86-73-7	100	ND		0.53	0.051	ND		0.18	0.018	ND		0.19	0.018	0.086	J	0.19	0.019
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.094	J	0.42	0.073	0.046	J	0.15	0.026	ND		0.15	0.026	0.89		0.16	0.027
Naphthalene	91-20-3	100	ND		0.53	0.064	ND		0.18	0.022	ND		0.19	0.023	0.11	J	0.19	0.024
Phenanthrene	85-01-8	100	0.12	J	0.32	0.064	0.072	J	0.11	0.022	ND		0.11	0.023	1.5		0.12	0.024
Pyrene	129-00-0	100	0.24	J	0.32	0.052	0.14		0.11	0.018	ND		0.11	0.019	2.1		0.12	0.019
Total SVOCs		NS	1.42	-	-	-	0.715	-	-	-	-	-	-	-	14.234	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS-TIC																		
Unknown		NS	-		-	-	-		-	-	-		-	-	0.194	J	0	0
Unknown		NS	-		-	-	-		-	-	-		-	-	0.709	J	0	0
Unknown		NS	-		-	-	-		-	-	-		-	-	0.48	J	0	0
Unknown		NS	-		-	-	-		-	-	0.2	J	0	0	0.316	J	0	0
Unknown		NS	-		-	-	-		-	-	0.188	J	0	0	0.18	J	0	0
Unknown		NS	-		-	-	-		-	-	-		-	-	0.234	J	0	0
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.168	J	0	0
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.217	J	0	0
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.251	J	0	0
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.24	J	0	0
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.253	J	0	0
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.202	J	0	0
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.377	J	0	0
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.394	J	0	0
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.511	J	0	0
Total TIC Compounds		NS	-		-	-	-		-	-	0.388	J	0	0	4.73	J	0	0
ORGANOCHLORINE PESTICIDES BY GC																		
4,4'-DDT	50-29-3	7.9	-		-	-	-		-	-	ND		0.00332	0.00142	ND		0.00344	0.00147
trans-Chlordane	5103-74-2	NS	-		-	-	-		-	-	ND		0.00221	0.000584	ND		0.00229	0.000605

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TABLE 2 - SOIL ANALYTICAL RESULTS SUMMARY - DETECTIONS ONLY
2022 PHASE II ESA
COTTAGE PLACE GARDENS PHASE 6 PARCEL
CITY OF YONKERS, WESTCHESTER COUNTY

		SAMPLE ID:	SB-2022-05				SB-2022-06				SB-2022-07-220207				SB-2022-10-220210			
		LAB ID:	L2202943-03				L2202943-06				L2206515-01				L2207030-01			
		COLLECTION DATE:	1/18/2022				1/19/2022				2/7/2022				2/9/2022			
		SAMPLE DEPTH:	2-3'				1-2'				0-2'				0-4'			
		SAMPLE MATRIX:	SOIL				SOIL				SOIL				SOIL			
		NY-RR SCOs[1]																
ANALYTE	CAS	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
TOTAL METALS																		
Aluminum, Tota	7429-90-5	NS	7400		8.79	2.37	6520		8.65	2.34	7190		8.88	2.4	6360		8.95	2.42
Antimony, Tota	7440-36-0	NS	ND		4.39	0.334	ND		4.32	0.329	ND		4.44	0.337	6.44		4.48	0.34
Arsenic, Total	7440-38-2	16	2.52		0.879	0.183	2.45		0.865	0.18	2.7		0.888	0.185	10.8		0.895	0.186
Barium, Tota	7440-39-3	400	109		0.879	0.153	31.4		0.865	0.15	60.3		0.888	0.154	**503**		**0.895**	**0.156**
Beryllium, Tota	7440-41-7	72	0.598		0.439	0.029	0.199	J	0.432	0.029	0.311	J	0.444	0.029	0.188	J	0.448	0.03
Cadmium, Tota	7440-43-9	4.3	0.747	J	0.879	0.086	0.242	J	0.865	0.085	0.231	J	0.888	0.087	1.37		0.895	0.088
Calcium, Total	7440-70-2	NS	20400		8.79	3.08	1150		8.65	3.03	1300		8.88	3.11	16400		8.95	3.13
Chromium, Tota	7440-47-3	180	11		0.879	0.084	17		0.865	0.083	18.1		0.888	0.085	17.9		0.895	0.086
Cobalt, Tota	7440-48-4	NS	5.18		1.76	0.146	6.84		1.73	0.144	5.07		1.78	0.147	6.62		1.79	0.149
Copper, Tota	7440-50-8	270	19.3		0.879	0.227	16.1		0.865	0.223	8.42		0.888	0.229	37.9		0.895	0.231
Iron, Total	7439-89-6	NS	8990		4.39	0.794	11400		4.32	0.781	11400		4.44	0.801	31400		4.48	0.809
Lead, Tota	7439-92-1	400	171		4.39	0.236	63		4.32	0.232	43.6		4.44	0.238	**2680**		**4.48**	**0.24**
Magnesium, Tota	7439-95-4	NS	3830		8.79	1.35	2230		8.65	1.33	1690		8.88	1.37	2260		8.95	1.38
Manganese, Tota	7439-96-5	2000	784		0.879	0.14	336		0.865	0.138	240		0.888	0.141	374		0.895	0.142
Mercury, Tota	7439-97-6	0.81	0.356		0.078	0.051	0.164		0.073	0.048	0.084		0.084	0.055	**1.36**		**0.076**	**0.049**
Nickel, Total	7440-02-0	310	12.8		2.2	0.213	15.8		2.16	0.209	8.56		2.22	0.215	12.1		2.24	0.217
Potassium, Tota	7440-09-7	NS	476		220	12.6	924		216	12.4	319		222	12.8	1090		224	12.9
Selenium, Tota	7782-49-2	180	0.466	J	1.76	0.227	ND		1.73	0.223	ND		1.78	0.229	0.806	J	1.79	0.231
Sodium, Tota	7440-23-5	NS	261		176	2.77	351		173	2.72	255		178	2.8	473		179	2.82
Vanadium, Tota	7440-62-2	NS	15.7		0.879	0.178	20		0.865	0.176	20.1		0.888	0.18	14.7		0.895	0.182
Zinc, Total	7440-66-6	10,000	194		4.39	0.257	43.6		4.32	0.253	30.6		4.44	0.26	863		4.48	0.262
GENERAL CHEMISTRY																		
Solids, Tota	NONE	NS	87.2		0.1	NA	88.8		0.1	NA	86.4		0.1	NA	84.6		0.1	NA
GENERAL CHEMISTRY																		
Chromium, Hexavalen	18540-29-9	110	ND		0.929	0.186	ND		0.888	0.178	ND		0.926	0.185	ND		0.946	0.189
Solids, Tota	NONE		86.1		0.1	NA	90.1		0.1	NA	86.4		0.1	NA	84.6		0.1	NA

(1) Soil Cleanup Objectives (SCOs) for Restricted Residential (RR) Use Sites promulgated at 6
NS denotes No Standarc
J denotes an estimated valu

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TABLE 3 - SOIL ANALYTICAL RESULTS SUMMARY FOR SIDEWALL POST-EXCAVATION SAMPLES FOR CPG PHASE 3A SITE - DETECTIONS ONLY
2022 PHASE II ESA
CITY OF YONKERS, WESTCHESTER COUNTY

		SAMPLE ID:	SW-3A-004				SW-3A-006				SW-3A-029				SW-3A-030			
		LAB ID:	L1810958-01				L1817959-03				L1842316-03				L1842316-04			
		COLLECTION DATE:	3/29/2018				5/16/2018				10/17/2018				10/17/2018			
		SAMPLE DEPTH:	2.5				2.5				2.5				2.5			
		SAMPLE MATRIX:	SOIL				SOIL				SOIL				SOIL			
		NY-RR SCOs[(1)]																
ANALYTE	CAS	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035																		
1,4-Dioxane	123-91-1	13	ND		0.033	0.012	ND		0.033	0.012	ND		0.092	0.032	ND		0.098	0.034
Acetone	67-64-1	100	ND		0.03	0.0019	ND		0.03	0.0019	0.011		0.0092	0.0044	0.033		0.0098	0.0047
Total VOCs		NS	-	-	-	-	-	-	-	-	0.011	-	-	-	0.033	-	-	-
VOLATILE ORGANICS BY EPA 5035-TIC																		
SEMIVOLATILE ORGANICS BY GC/MS																		
Benzo(a)anthracene	56-55-3	1	0.53		0.065	0.022	0.38		0.062	0.021	0.24		0.061	0.02	**1.1**		**0.062**	**0.021**
Benzo(b)fluoranthene	205-99-2	1	0.62		0.049	0.016	0.41		0.047	0.015	0.35		0.046	0.015	**1.2**		**0.046**	**0.015**
Chrysene	218-01-9	3.9	0.51		0.12	0.02	0.37		0.11	0.019	0.22		0.11	0.018	1.1		0.11	0.019
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.33		0.081	0.027	0.2		0.078	0.026	0.18		0.076	0.025	**0.65**		**0.078**	**0.026**
Total SVOCs			1.99	-	-	-	1.36	-	-	-	0.99	-	-	-	4.05	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS-TIC																		
TOTAL METALS																		
Barium, Tota	7440-39-3	400	59.2		0.89	0.155	144		0.87	0.151	44.7		0.861	0.15	59.9		0.87	0.151
Chromium, Tota	7440-47-3	180	18.5		0.89	0.085	56.4		0.87	0.084	33.8		0.861	0.083	21.7		0.87	0.084
Copper, Tota	7440-50-8	270	20		0.89	0.23	53.7		0.87	0.224	13.5		0.861	0.222	21.4		0.87	0.224
Lead, Tota	7439-92-1	400	135		4.45	0.238	57.4		4.35	0.233	39.1		4.3	0.231	97.4		4.35	0.233
Mercury, Tota	7439-97-6	0.81	0.348		0.074	0.016	0.095		0.072	0.015	0.158		0.07	0.015	0.217		0.071	0.015
Zinc, Total	7440-66-6	10,000	92.6		4.45	0.261	76.2		4.35	0.255	30.3		4.3	0.252	105		4.35	0.255
GENERAL CHEMISTRY																		
NJ HEXAVALENT CHROMIUM																		
Chromium, Hexavalen	18540-29-9	110	ND		0.93	0.19	0.54	J	0.918	0.184	ND		0.881	0.176	ND		0.899	0.18

(1) Soil Cleanup Objectives (SCOs) for Restricted Residential (RR) Use Sites promulgated at 6 NYCRR Part 37
NS denotes No Standarc
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C.T. MALE ASSOCIATES

TABLE 3 - SOIL ANALYTICAL RESULTS SUMMARY FOR SIDEWALL POST-EXCAVATION SAMPLES FOR CPG PHASE 3A SITE - DETECTIONS ONLY
2022 PHASE II ESA
CITY OF YONKERS, WESTCHESTER COUNTY

		SAMPLE ID:	SW-3A-031				SW-3A-26				SW-3A-27				SW-3A-28			
		LAB ID:	L1842986-01				L1841313-02				L1841313-04				L1841313-06			
		COLLECTION DATE:	10/22/2018				10/11/2018				10/11/2018				10/11/2018			
		SAMPLE DEPTH:	2.5				4				4				4			
		SAMPLE MATRIX:	SOIL				SOIL				SOIL				SOIL			
		NY-RR SCOs[1]																
ANALYTE	CAS	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035																		
1,4-Dioxane	123-91-1	13	ND		0.085	0.03	ND		0.086	0.03	ND		0.082	0.029	ND		0.083	0.029
Acetone	67-64-1	100	ND		0.0085	0.0041	0.024		0.0086	0.0041	ND		0.0082	0.004	ND		0.0083	0.004
Total VOCs		NS	-	-	-	-	0.024	-	-	-	-	-	-	-	-	-	-	-
VOLATILE ORGANICS BY EPA 5035-TIC																		
SEMIVOLATILE ORGANICS BY GC/MS																		
Benzo(a)anthracene	56-55-3	1	0.21		0.063	0.021	0.032	J	0.064	0.021	ND		0.063	0.021	ND		0.062	0.021
Benzo(b)fluoranthene	205-99-2	1	0.32		0.047	0.016	0.039	J	0.048	0.016	ND		0.048	0.016	ND		0.047	0.015
Chrysene	218-01-9	3.9	0.2		0.11	0.019	0.03	J	0.11	0.02	ND		0.11	0.019	ND		0.11	0.019
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.22		0.079	0.026	ND		0.08	0.026	ND		0.079	0.026	ND		0.078	0.026
Total SVOCs			0.95	-	-	-	0.101	-	-	-	-	-	-	-	-	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS-TIC																		
TOTAL METALS																		
Barium, Tota	7440-39-3	400	34		0.875	0.152	86.9		0.879	0.153	29.9		0.858	0.149	30.1		0.872	0.152
Chromium, Tota	7440-47-3	180	16.5		0.875	0.084	22.7		0.879	0.084	24.2		0.858	0.082	21.5		0.872	0.084
Copper, Tota	7440-50-8	270	20		0.875	0.226	21.6		0.879	0.227	9.95		0.858	0.221	14.8		0.872	0.225
Lead, Tota	7439-92-1	400	106		4.37	0.234	199		4.4	0.236	6.08		4.29	0.23	3.61	J	4.36	0.234
Mercury, Tota	7439-97-6	0.81	0.184		0.072	0.015	0.117		0.074	0.016	ND		0.071	0.015	ND		0.071	0.015
Zinc, Total	7440-66-6	10,000	63.8		4.37	0.256	138		4.4	0.258	22.3		4.29	0.251	21.4		4.36	0.256
GENERAL CHEMISTRY																		
NJ HEXAVALENT CHROMIUM																		
Chromium, Hexavalen	18540-29-9	110	0.435	J	0.915	0.183	0.198	J	0.931	0.186	0.399	J	0.911	0.182	0.586	J	0.902	0.18

(1) Soil Cleanup Objectives (SCOs) for Restricted Residential (RR) Use Sites promulgated at 6
NS denotes No Standarc
J denotes an estimated valu

C.T. MALE ASSOCIATES

TABLE 4 - SOIL ANALYTICAL SAMPLING RESULTS FOR POST-EXCAVATION SAMPLES FOR CPG PHASE 5 SITE - DETECIONS ONLY
2022 PHASE II ESA
CITY OF YONKERS, WESTCHESTER COUNTY

		SAMPLE ID:	SW-019-3-B17				SW-020-3-C17				SW-021-3-D17				SW-022-3.5-E17				FD-006-20210520 (SW-022-3.5-E17)				SW-023-3.5-F17				SW-024-4-G17			
		LAB ID:	L2126802-01				L2126802-02				L2126802-03				L2126802-04				L2126802-07				L2126802-05				L2126802-06			
		COLLECTION DATE:	5/20/2021				5/20/2021				5/20/2021				5/20/2021				5/20/2021				5/20/2021				5/20/2021			
		SAMPLE DEPTH (Feet):	3				3				3				3.5				3.5				3.5							
		SAMPLE MATRIX:	SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		NY-RR SCOs[1]																												
ANALYTE	CAS	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035 (None Detected Above the Laboratory's Method Detection Limits)																														
VOLATILE ORGANICS BY EPA 5035-TIC																														
Cyclotrisiloxane, Hexamethyl-	000541-05-9	NS	-		-	-	-		-	-	-		-	-	0.00386	NJ	0	0	0.00341	NJ	0	0	-	-	-	-	-	-	-	-
Unknown		NS	-		-	-	-		-	-	-		-	-	0.00211	J	0	0	-		-	-	-	-	-	-	-	-	-	-
Total TIC Compounds		NS	-		-	-	-		-	-	-		-	-	0.00597	J	0	0	0.00341	J	0	0	-	-	-	-	-	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS																														
2-Methylnaphthalene	91-57-6	NS	0.042	J	0.23	0.023	ND		0.22	0.022	0.04	J	0.22	0.022	0.053	J	0.22	0.022	0.09	J	0.22	0.022	ND		0.22	0.022	ND		0.22	0.023
3-Methylphenol/4-Methylphenol	3-39-4/106-44	100	ND		0.28	0.03	ND		0.27	0.029	ND		0.26	0.028	ND		0.26	0.029	0.056	J	0.27	0.029	ND		0.26	0.029	ND		0.27	0.029
Acenaphthene	83-32-9	100	0.11	J	0.15	0.02	0.026	J	0.15	0.019	0.062	J	0.14	0.019	0.12	J	0.15	0.019	0.11	J	0.15	0.019	ND		0.15	0.019	ND		0.15	0.019
Acenaphthylene	208-96-8	100	0.044	J	0.15	0.03	0.11	J	0.15	0.028	0.29		0.14	0.028	0.5		0.15	0.028	0.54		0.15	0.029	0.13	J	0.15	0.028	0.1	J	0.15	0.029
Anthracene	120-12-7	100	0.2		0.12	0.038	0.15		0.11	0.036	0.32		0.11	0.035	0.9		0.11	0.036	1		0.11	0.036	0.13		0.11	0.036	0.067	J	0.11	0.036
Benzo(a)anthracene	56-55-3	1	0.61		0.12	0.022	0.66		0.11	0.021	**1.2**		**0.11**	**0.02**	**4.2**		**0.11**	**0.021**	**3.7**		**0.11**	**0.021**	0.66		0.11	0.021	0.29		0.11	0.021
Benzo(a)pyrene	50-32-8	1	0.54		0.15	0.047	0.65		0.15	0.045	**1.2**		**0.14**	**0.044**	**3.6**		**0.15**	**0.045**	**3.7**		**0.15**	**0.046**	0.7		0.15	0.045	0.4		0.15	0.046
Benzo(b)fluoranthene	205-99-2	1	0.68		0.12	0.032	0.81		0.11	0.031	**1.5**		**0.11**	**0.031**	**4.3**		**0.11**	**0.031**	**4.6**		**0.11**	**0.031**	0.84		0.11	0.031	0.5		0.11	0.032
Benzo(ghi)perylene	191-24-2	100	0.31		0.15	0.023	0.42		0.15	0.022	0.9		0.14	0.021	2.2		0.15	0.022	2.7		0.15	0.022	0.47		0.15	0.022	0.46		0.15	0.022
Benzo(k)fluoranthene	207-08-9	3.9	0.25		0.12	0.031	0.23		0.11	0.03	0.52		0.11	0.029	1.5		0.11	0.029	1.1		0.11	0.03	0.29		0.11	0.029	0.16		0.11	0.03
Bis(2-ethylhexyl)phthalate	117-81-7	NS	ND		0.19	0.067	0.12	J	0.18	0.064	0.27		0.18	0.063	ND		0.18	0.064	ND		0.19	0.065	ND		0.18	0.064	ND		0.19	0.065
Carbazole	86-74-8	NS	0.15	J	0.19	0.019	0.044	J	0.18	0.018	0.15	J	0.18	0.018	0.27		0.18	0.018	0.44		0.19	0.018	0.047	J	0.18	0.018	0.034	J	0.19	0.018
Chrysene	218-01-9	3.9	0.57		0.12	0.02	0.59		0.11	0.019	1.1		0.11	0.019	3.6		0.11	0.019	3.4		0.11	0.019	0.6		0.11	0.019	0.28		0.11	0.02
Di-n-butylphthalate	84-74-2	NS	ND		0.19	0.037	ND		0.18	0.035	ND		0.18	0.034	0.16	J	0.18	0.035	ND		0.19	0.035	ND		0.18	0.035	ND		0.19	0.036
Dibenzo(a,h)anthracene	53-70-3	0.33	0.083	J	0.12	0.022	0.1	J	0.11	0.021	0.2		0.11	0.021	**0.48**		**0.11**	**0.021**	**0.91**		**0.11**	**0.022**	0.1	J	0.11	0.021	0.074	J	0.11	0.022
Dibenzofuran	132-64-9	59	0.1	J	0.19	0.018	0.018	J	0.18	0.017	0.046	J	0.18	0.017	0.1	J	0.18	0.017	0.099	J	0.19	0.018	ND		0.18	0.017	ND		0.19	0.018
Fluoranthene	206-44-0	100	1.3		0.12	0.022	1.1		0.11	0.021	2		0.11	0.021	6.2		0.55	0.1	4.9		0.11	0.021	1.2		0.11	0.021	0.45		0.11	0.022
Fluorene	86-73-7	100	0.089	J	0.19	0.019	0.029	J	0.18	0.018	0.065	J	0.18	0.018	0.18		0.18	0.018	0.15	J	0.19	0.018	0.021	J	0.18	0.018	ND		0.19	0.018
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.35		0.15	0.027	0.46		0.15	0.026	**0.92**		**0.14**	**0.025**	**2.4**		**0.15**	**0.026**	**2.8**		**0.15**	**0.026**	0.48		0.15	0.026	0.4		0.15	0.026
Naphthalene	91-20-3	100	0.09	J	0.19	0.024	0.046	J	0.18	0.022	0.1	J	0.18	0.022	0.17	J	0.18	0.022	0.3		0.19	0.023	0.023	J	0.18	0.022	ND		0.19	0.023
Phenanthrene	85-01-8	100	1.2		0.12	0.024	0.41		0.11	0.022	0.82		0.11	0.022	3.5		0.11	0.022	2.5		0.11	0.023	0.4		0.11	0.022	0.14		0.11	0.023
Pyrene	129-00-0	100	1.1		0.12	0.019	1		0.11	0.018	1.9		0.11	0.018	7.1		0.11	0.018	4.9		0.11	0.018	1.2		0.11	0.018	0.46		0.11	0.019
Total SVOCs		NS	7.818	-	-	-	6.973	-	-	-	13.603	-	-	-	42.833	-	-	-	37.995	-	-	-	7.291	-	-	-	3.815	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS-TIC																														
Unknown		NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.595	J	0	0	-	-	-	-	-	-	-	-
Unknown		NS	0.201	J	0	0	-		-	-	0.185	J	0	0	-	-	-	-	0.582	J	0	0	-	-	-	-	-	-	-	-
Unknown		NS	0.162	J	0	0	-		-	-	0.15	J	0	0	0.718	J	0	0	0.585	J	0	0	-	-	-	-	-	-	-	-
Unknown		NS	0.163	J	0	0	0.21	J	0	0	0.324	J	0	0	0.441	J	0	0	0.698	J	0	0	-	-	-	-	-	-	-	-
Unknown		NS	0.167	J	0	0	0.835	J	0	0	0.284	J	0	0	0.452	J	0	0	0.571	J	0	0	-	-	-	-	-	-	-	-
Unknown		NS	0.254	J	0	0	0.149	J	0	0	0.207	J	0	0	0.842	J	0	0	0.656	J	0	0	-	-	-	-	-	-	-	-
Unknown Ketone		NS	0.24	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	0.593	J	0	0	-	-	-	-	-	-	-	-
Unknown Naphthalene		NS	-		-	-	0.172	J	0	0	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid		NS	0.34	J	0	0	0.296	J	0	0	0.482	J	0	0	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.502	J	0	0	0.938	J	0	0	-	-	-	-	-	-	-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.286	J	0	0	1.28	J	0	0	-	-	-	-	-	-	-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.276	J	0	0	0.585	J	0	0	-	-	-	-	-	-	-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.976	J	0	0	0.719	J	0	0	-	-	-	-	-	-	-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.566	J	0	0	-		-	-	-	-	-	-	-	-	-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.553	J	0	0	-		-	-	-	-	-	-	-	-	-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.43	J	0	0	-		-	-	-	-	-	-	-	-	-	-
Unknown PAH		NS	0.192	J	0	0	-		-	-	0.162	J	0	0	0.598	J	0	0	0.573	J	0	0	0.152	J	0	0	-	-	-	-
Unknown PAH		NS	-		-	-	0.441	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	0.318	J	0	0
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	0.611	J	0	0	0.621	J	0	0	-	-	-	-	-	-	-	-
Unknown PAH		NS	0.359	J	0	0	-		-	-	0.898	J	0	0	0.781	J	0	0	0.961	J	0	0	0.511	J	0	0	-	-	-	-
Unknown PAH		NS	-		-	-	-		-	-	-		-	-	2.11	J	0	0	0.804	J	0	0	-	-	-	-	-	-	-	-
Total TIC Compounds		NS	2.08	J	0	0	2.1	J	0	0	2.69	J	0	0	10.1	J	0	0	10.8	J	0	0	0.663	J	0	0	0.318	J	0	0
CHLORINATED HERBICIDES BY GC (2,4,5-TP Silvex Not Detected Above the Laboratory's Method Detection Limits																														
ORGANOCHLORINE PESTICIDES BY G																														
4,4'-DDE	72-55-9	0.0033	-		-	-	-		-	-	-		-	-	0.00162	JP	0.00169	0.000391	ND		0.00175	0.000405	-	-	-	-	-	-	-	-
4,4'-DDT	50-29-3	7.9	-		-	-	-		-	-	-		-	-	0.00342	P	0.00317	0.00136	ND		0.00328	0.00141	-	-	-	-	-	-	-	-
Endosulfan II	33213-65-9	2.4	-		-	-	-		-	-	-		-	-	0.00297	P	0.00169	0.000566	ND		0.00175	0.000585	-	-	-	-	-	-	-	-
Endrin ketone	53494-70-5	NS	-		-	-	-		-	-	-		-	-	0.00442	IP	0.00169	0.000436	ND		0.00175	0.000451	-	-	-	-	-	-	-	-
POLYCHLORINATED BIPHENYLS BY G																														
Aroclor 1268	11100-14-4	0.1	-		-	-	-		-	-	-		-	-	0.0154	J	0.0367	0.0038	0.00646	J	0.0371	0.00384	-	-	-	-	-	-	-	-
PCBs, Total	1336-36-3	0.1	-		-	-	-		-	-	-		-	-	0.0154	J	0.0367	0.00326	0.00646	J	0.0371	0.00329	-	-	-	-	-	-	-	-
GENERAL CHEMISTRY																														
Chromium, Trivalent	16065-83-1	30	19		0.93	0.93	18	J	0.9	0.9	18	J	0.89	0.89	21		0.89	0.89	22		0.9	0.9	22		0.91	0.91	26		0.93	0.93
Chromium, Hexavalent	18540-29-9	110	ND		0.93	0.186	0.418	J	0.903	0.18	0.178	J	0.89	0.178	ND		0.894	0.179	1.08		0.903	0.18	1.4		0.907	0.181	1.51		0.927	0.185
Solids, Total	NONE	NS	86		0.1	NA	88.6		0.1	NA	89.9		0.1	NA	89.5		0.1	NA	88.6		0.1	NA	88.2		0.1	NA	86.3		0.1	NA

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TABLE 4 - SOIL ANALYTICAL SAMPLING RESULTS FOR POST-EXCAVATION SAMPLES FOR CPG PHASE 5 SITE - DETECIONS ONLY
2022 PHASE II ESA
CITY OF YONKERS, WESTCHESTER COUNTY

		SAMPLE ID:	SW-019-3-B17				SW-020-3-C17				SW-021-3-D17				SW-022-3.5-E17				FD-006-20210520 (SW-022-3.5-E17)				SW-023-3.5-F17				SW-024-4-G17			
		LAB ID:	L2126802-01				L2126802-02				L2126802-03				L2126802-04				L2126802-07				L2126802-05				L2126802-06			
		COLLECTION DATE:	5/20/2021				5/20/2021				5/20/2021				5/20/2021				5/20/2021				5/20/2021				5/20/2021			
		SAMPLE DEPTH (Feet):	3				3				3				3.5				3.5				3.5							
		SAMPLE MATRIX:	SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		NY-UNRES[1]																												
ANALYTE	CAS	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
TOTAL METALS																														
Aluminum, Total	7429-90-5	NS	8690		9.01	2.43	8090		8.55	2.31	7920		8.5	2.29	7590		8.63	2.33	8540		8.87	2.39	8770		8.76	2.36	12600		9.1	2.46
Antimony, Total	7440-36-0	NS	0.883	J	4.51	0.342	0.453	J	4.28	0.325	0.433	J	4.25	0.323	ND		4.32	0.328	0.638	J	4.43	0.337	21.6		4.38	0.333	ND		4.55	0.346
Arsenic, Total	7440-38-2	16	5.63		0.901	0.187	5.2		0.855	0.178	4.95		0.85	0.177	5.52		0.863	0.18	5.49		0.887	0.184	4.22		0.876	0.182	3.31		0.91	0.189
Barium, Total	7440-39-3	400	188		0.901	0.157	169		0.855	0.149	171		0.85	0.148	**499**		**0.863**	**0.15**	279		0.887	0.154	118		0.876	0.152	91.7		0.91	0.158
Beryllium, Total	7440-41-7	72	0.433	J	0.451	0.03	0.376	J	0.428	0.028	0.374	J	0.425	0.028	0.319	J	0.432	0.029	0.319	J	0.443	0.029	0.341	J	0.438	0.029	0.419	J	0.455	0.03
Cadmium, Total	7440-43-9	4.3	1.23		0.901	0.088	0.932		0.855	0.084	0.637	J	0.85	0.083	1.01		0.863	0.085	0.984		0.887	0.087	0.499	J	0.876	0.086	0.582	J	0.91	0.089
Calcium, Total	7440-70-2	NS	2660		9.01	3.15	3980		8.55	2.99	4360		8.5	2.97	17400		8.63	3.02	10100		8.87	3.1	2880		8.76	3.06	1700		9.1	3.18
Chromium, Total	7440-47-3	110	18.8		0.901	0.087	18		0.855	0.082	17.8		0.85	0.082	20.9		0.863	0.083	23		0.887	0.085	23		0.876	0.084	28.1		0.91	0.087
Cobalt, Total	7440-48-4	NS	5.65		1.8	0.15	5.07		1.71	0.142	4.94		1.7	0.141	5.82		1.73	0.143	6.54		1.77	0.147	7.12		1.75	0.145	9.78		1.82	0.151
Copper, Total	7440-50-8	270	20.1		0.901	0.232	24.3		0.855	0.221	26.5		0.85	0.219	32.7		0.863	0.223	31		0.887	0.229	25.2		0.876	0.226	20.9		0.91	0.235
Iron, Total	7439-89-6	NS	13700		4.51	0.814	12400		4.28	0.772	12000		4.25	0.767	13800		4.32	0.78	17000		4.43	0.801	14200		4.38	0.79	24000		4.55	0.822
Lead, Total	7439-92-1	400	**703**		**4.51**	**0.242**	**495**		**4.28**	**0.229**	351		4.25	0.228	**741**		**4.32**	**0.231**	**623**		**4.43**	**0.238**	**2660**		**4.38**	**0.235**	91.7		4.55	0.244
Magnesium, Total	7439-95-4	NS	2160		9.01	1.39	2050		8.55	1.32	1800		8.5	1.31	2510		8.63	1.33	3060		8.87	1.36	2310		8.76	1.35	4450		9.1	1.4
Manganese, Total	7439-96-5	2000	364		0.901	0.143	295		0.855	0.136	227		0.85	0.135	274		0.863	0.137	269		0.887	0.141	299		0.876	0.139	795		0.91	0.145
Mercury, Total	7439-97-6	0.81	0.498		0.073	0.048	0.447		0.071	0.046	0.497		0.07	0.045	0.694		0.071	0.046	0.658		0.072	0.047	0.384		0.072	0.047	0.334		0.073	0.047
Nickel, Total	7440-02-0	310	11.1		2.25	0.218	11		2.14	0.207	11.7		2.12	0.206	13.4		2.16	0.209	14.2		2.22	0.214	14.4		2.19	0.212	20.6		2.28	0.22
Potassium, Total	7440-09-7	NS	425		225	13	388		214	12.3	407		212	12.2	498		216	12.4	565		222	12.8	523		219	12.6	688		228	13.1
Selenium, Total	7782-49-2	180	0.451	J	1.8	0.232	0.812	J	1.71	0.221	0.816	J	1.7	0.219	1.04	J	1.73	0.223	0.86	J	1.77	0.229	0.403	J	1.75	0.226	0.91	J	1.82	0.235
Sodium, Total	7440-23-5	NS	1920		180	2.84	1460		171	2.69	1050		170	2.68	731		173	2.72	757		177	2.79	491		175	2.76	755		182	2.87
Vanadium, Total	7440-62-2	NS	22.4		0.901	0.183	23.3		0.855	0.174	23.5		0.85	0.172	22.7		0.863	0.175	26		0.887	0.18	25.3		0.876	0.178	37.9		0.91	0.185
Zinc, Total	7440-66-6	10,000	278		4.51	0.264	264		4.28	0.25	236		4.25	0.249	410		4.32	0.253	424		4.43	0.26	186		4.38	0.256	79.6		4.55	0.267

(1) Soil Cleanup Objectives (SCOs) for Restricted Residential (RR) Use Sites promulgated at 6 NYCRR Part 375
NS denotes No Standard
J denotes an estimated value

ANALYTICAL REPORT

Lab Number:	L2207030
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Kirk Moline
Phone:	(518) 786-7400
Project Name:	CPG PHASE 6
Project Number:	21.1388
Report Date:	02/24/22

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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: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2207030-01	SB-2022-10-220210	SOIL	8 COTTAGE PL., YONKERS, NY	02/09/22 10:10	02/10/22

Project Name:	CPG PHASE 6	**Lab Number:**	L2207030
Project Number:	21.1388	**Report Date:**	02/24/22

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:	CPG PHASE 6	**Lab Number:**	L2207030
Project Number:	21.1388	**Report Date:**	02/24/22

Case Narrative (continued)

Report Submission

February 24, 2022: This final report includes the results of all requested analyses.

February 18, 2022: This is a preliminary report.

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

Sample Receipt

L2207030-01: At the client's request, the Pesticides analysis was performed.

Total Metals

L2207030-01: 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: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 02/24/22

ORGANICS

SEMIVOLATILES

Project Name: CPG PHASE 6 **Lab Number:** L2207030

Project Number: 21.1388 **Report Date:** 02/24/22

SAMPLE RESULTS

Lab ID: L2207030-01
Client ID: SB-2022-10-220210
Sample Location: 8 COTTAGE PL., YONKERS, NY

Date Collected: 02/09/22 10:10
Date Received: 02/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/18/22 02:41
Analyst: IM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 02/17/22 12:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	58	J	ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	2500		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	110	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	1100		ug/kg	120	22.	1
Benzo(a)pyrene	1100		ug/kg	160	47.	1

Project Name: CPG PHASE 6 **Lab Number:** L2207030

Project Number: 21.1388 **Report Date:** 02/24/22

SAMPLE RESULTS

Lab ID: L2207030-01 Date Collected: 02/09/22 10:10

Client ID: SB-2022-10-220210 Date Received: 02/10/22

Sample Location: 8 COTTAGE PL., YONKERS, 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	1400		ug/kg	120	33.	1
Benzo(k)fluoranthene	450		ug/kg	120	31.	1
Chrysene	1100		ug/kg	120	20.	1
Acenaphthylene	140	J	ug/kg	160	30.	1
Anthracene	320		ug/kg	120	38.	1
Benzo(ghi)perylene	880		ug/kg	160	23.	1
Fluorene	86	J	ug/kg	190	19.	1
Phenanthrene	1500		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	170		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	890		ug/kg	160	27.	1
Pyrene	2100		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	76	J	ug/kg	190	18.	1
2-Methylnaphthalene	44	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	150	J	ug/kg	190	19.	1
Atrazine	ND		ug/kg	160	68.	1
Benzaldehyde	60	J	ug/kg	260	52.	1

Project Name: CPG PHASE 6 **Lab Number:** L2207030

Project Number: 21.1388 **Report Date:** 02/24/22

SAMPLE RESULTS

Lab ID: L2207030-01 Date Collected: 02/09/22 10:10

Client ID: SB-2022-10-220210 Date Received: 02/10/22

Sample Location: 8 COTTAGE PL., YONKERS, NY 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	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1
Tentatively Identified Compounds						
Total TIC Compounds	4730	J	ug/kg			1
Unknown PAH	511	J	ug/kg			1
Unknown PAH	217	J	ug/kg			1
Unknown	180	J	ug/kg			1
Unknown	480	J	ug/kg			1
Unknown PAH	377	J	ug/kg			1
Unknown PAH	394	J	ug/kg			1
Unknown	234	J	ug/kg			1
Unknown PAH	168	J	ug/kg			1
Unknown PAH	251	J	ug/kg			1
Unknown	316	J	ug/kg			1
Unknown PAH	240	J	ug/kg			1
Unknown PAH	253	J	ug/kg			1
Unknown	709	J	ug/kg			1
Unknown	194	J	ug/kg			1
Unknown PAH	202	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	113		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	67		18-120

Project Name: CPG PHASE 6 **Lab Number:** L2207030

Project Number: 21.1388 **Report Date:** 02/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/17/22 10:01
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 02/17/22 00:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1605865-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.

Project Name: CPG PHASE 6 **Lab Number:** L2207030

Project Number: 21.1388 **Report Date:** 02/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/17/22 10:01
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 02/17/22 00:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1605865-1					
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: CPG PHASE 6 **Lab Number:** L2207030

Project Number: 21.1388 **Report Date:** 02/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/17/22 10:01
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 02/17/22 00:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1605865-1					
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	210	44.
Caprolactam	ND		ug/kg	160	49.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	75		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

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: WG1605865-2 WG1605865-3								
Acenaphthene	74		66		31-137	11		50
Hexachlorobenzene	80		71		40-140	12		50
Bis(2-chloroethyl)ether	68		61		40-140	11		50
2-Chloronaphthalene	75		67		40-140	11		50
3,3'-Dichlorobenzidine	53		46		40-140	14		50
2,4-Dinitrotoluene	75		67		40-132	11		50
2,6-Dinitrotoluene	80		71		40-140	12		50
Fluoranthene	76		68		40-140	11		50
4-Chlorophenyl phenyl ether	76		68		40-140	11		50
4-Bromophenyl phenyl ether	80		70		40-140	13		50
Bis(2-chloroisopropyl)ether	64		56		40-140	13		50
Bis(2-chloroethoxy)methane	70		62		40-117	12		50
Hexachlorobutadiene	80		68		40-140	16		50
Hexachlorocyclopentadiene	72		59		40-140	20		50
Hexachloroethane	68		60		40-140	13		50
Isophorone	66		58		40-140	13		50
Naphthalene	70		64		40-140	9		50
Nitrobenzene	68		61		40-140	11		50
NDPA/DPA	76		68		36-157	11		50
n-Nitrosodi-n-propylamine	66		58		32-121	13		50
Bis(2-ethylhexyl)phthalate	79		69		40-140	14		50
Butyl benzyl phthalate	76		68		40-140	11		50
Di-n-butylphthalate	78		69		40-140	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

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: WG1605865-2 WG1605865-3								
Di-n-octylphthalate	78		67		40-140	15		50
Diethyl phthalate	75		68		40-140	10		50
Dimethyl phthalate	77		67		40-140	14		50
Benzo(a)anthracene	72		65		40-140	10		50
Benzo(a)pyrene	75		66		40-140	13		50
Benzo(b)fluoranthene	78		65		40-140	18		50
Benzo(k)fluoranthene	72		67		40-140	7		50
Chrysene	72		63		40-140	13		50
Acenaphthylene	79		68		40-140	15		50
Anthracene	74		66		40-140	11		50
Benzo(ghi)perylene	73		65		40-140	12		50
Fluorene	75		67		40-140	11		50
Phenanthrene	73		64		40-140	13		50
Dibenzo(a,h)anthracene	74		67		40-140	10		50
Indeno(1,2,3-cd)pyrene	81		71		40-140	13		50
Pyrene	76		68		35-142	11		50
Biphenyl	74		66		37-127	11		50
4-Chloroaniline	**39**	Q	48		40-140	21		50
2-Nitroaniline	78		68		47-134	14		50
3-Nitroaniline	59		51		26-129	15		50
4-Nitroaniline	71		63		41-125	12		50
Dibenzofuran	75		67		40-140	11		50
2-Methylnaphthalene	75		66		40-140	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

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: WG1605865-2 WG1605865-3								
1,2,4,5-Tetrachlorobenzene	77		67		40-117	14		50
Acetophenone	69		61		14-144	12		50
2,4,6-Trichlorophenol	79		70		30-130	12		50
p-Chloro-m-cresol	78		70		26-103	11		50
2-Chlorophenol	72		64		25-102	12		50
2,4-Dichlorophenol	79		68		30-130	15		50
2,4-Dimethylphenol	73		63		30-130	15		50
2-Nitrophenol	70		62		30-130	12		50
4-Nitrophenol	70		61		11-114	14		50
2,4-Dinitrophenol	40		48		4-130	18		50
4,6-Dinitro-o-cresol	70		62		10-130	12		50
Pentachlorophenol	60		53		17-109	12		50
Phenol	74		65		26-90	13		50
2-Methylphenol	74		64		30-130.	14		50
3-Methylphenol/4-Methylphenol	78		68		30-130	14		50
2,4,5-Trichlorophenol	83		71		30-130	16		50
Carbazole	75		65		54-128	14		50
Atrazine	75		65		40-140	14		50
Benzaldehyde	67		59		40-140	13		50
Caprolactam	78		68		15-130	14		50
2,3,4,6-Tetrachlorophenol	76		69		40-140	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

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: WG1605865-2 WG1605865-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		64		25-120
Phenol-d6	75		65		10-120
Nitrobenzene-d5	71		62		23-120
2-Fluorobiphenyl	79		69		30-120
2,4,6-Tribromophenol	85		77		10-136
4-Terphenyl-d14	79		70		18-120

PESTICIDES

Project Name: CPG PHASE 6 **Lab Number:** L2207030

Project Number: 21.1388 **Report Date:** 02/24/22

SAMPLE RESULTS

Lab ID: L2207030-01
Client ID: SB-2022-10-220210
Sample Location: 8 COTTAGE PL., YONKERS, NY

Date Collected: 02/09/22 10:10
Date Received: 02/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/22/22 15:32
Analyst: AR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 02/21/22 19:18
Cleanup Method: EPA 3620B
Cleanup Date: 02/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 02/22/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.359	1	A
Lindane	ND		ug/kg	0.764	0.341	1	A
Alpha-BHC	ND		ug/kg	0.764	0.217	1	A
Beta-BHC	ND		ug/kg	1.83	0.695	1	A
Heptachlor	ND		ug/kg	0.916	0.411	1	A
Aldrin	ND		ug/kg	1.83	0.645	1	A
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.764	0.313	1	A
Endrin aldehyde	ND		ug/kg	2.29	0.802	1	A
Endrin ketone	ND		ug/kg	1.83	0.472	1	A
Dieldrin	ND		ug/kg	1.14	0.573	1	A
4,4'-DDE	ND		ug/kg	1.83	0.424	1	A
4,4'-DDD	ND		ug/kg	1.83	0.654	1	A
4,4'-DDT	ND		ug/kg	3.44	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.433	1	A
Endosulfan II	ND		ug/kg	1.83	0.612	1	A
Endosulfan sulfate	ND		ug/kg	0.764	0.363	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
Toxaphene	ND		ug/kg	34.4	9.62	1	A
cis-Chlordane	ND		ug/kg	2.29	0.638	1	A
trans-Chlordane	ND		ug/kg	2.29	0.605	1	A
Chlordane	ND		ug/kg	15.3	6.07	1	A

Project Name: CPG PHASE 6 **Lab Number:** L2207030

Project Number: 21.1388 **Report Date:** 02/24/22

SAMPLE RESULTS

Lab ID: L2207030-01 Date Collected: 02/09/22 10:10

Client ID: SB-2022-10-220210 Date Received: 02/10/22

Sample Location: 8 COTTAGE PL., YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: CPG PHASE 6 **Lab Number:** L2207030

Project Number: 21.1388 **Report Date:** 02/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/22/22 13:28
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 02/20/22 23:44
Cleanup Method: EPA 3620B
Cleanup Date: 02/21/22
Cleanup Method: EPA 3660B
Cleanup Date: 02/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1607056-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.646	0.289	A
Alpha-BHC	ND		ug/kg	0.646	0.184	A
Beta-BHC	ND		ug/kg	1.55	0.588	A
Heptachlor	ND		ug/kg	0.776	0.348	A
Aldrin	ND		ug/kg	1.55	0.546	A
Heptachlor epoxide	ND		ug/kg	2.91	0.873	A
Endrin	ND		ug/kg	0.646	0.265	A
Endrin aldehyde	ND		ug/kg	1.94	0.679	A
Endrin ketone	ND		ug/kg	1.55	0.399	A
Dieldrin	ND		ug/kg	0.970	0.485	A
4,4'-DDE	ND		ug/kg	1.55	0.359	A
4,4'-DDD	ND		ug/kg	1.55	0.553	A
4,4'-DDT	ND		ug/kg	2.91	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.366	A
Endosulfan II	ND		ug/kg	1.55	0.518	A
Endosulfan sulfate	ND		ug/kg	0.646	0.308	A
Methoxychlor	ND		ug/kg	2.91	0.905	A
Toxaphene	ND		ug/kg	29.1	8.14	A
cis-Chlordane	ND		ug/kg	1.94	0.540	A
trans-Chlordane	ND		ug/kg	1.94	0.512	A
Chlordane	ND		ug/kg	12.9	5.14	A

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/22/22 13:28
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 02/20/22 23:44
Cleanup Method: EPA 3620B
Cleanup Date: 02/21/22
Cleanup Method: EPA 3660B
Cleanup Date: 02/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1607056-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	64		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1607056-2 WG1607056-3									
Delta-BHC	60		59		30-150	2		30	A
Lindane	69		68		30-150	1		30	A
Alpha-BHC	77		77		30-150	0		30	A
Beta-BHC	63		64		30-150	2		30	A
Heptachlor	66		68		30-150	3		30	A
Aldrin	67		68		30-150	1		30	A
Heptachlor epoxide	60		59		30-150	2		30	A
Endrin	64		64		30-150	0		30	A
Endrin aldehyde	48		48		30-150	0		30	A
Endrin ketone	56		57		30-150	2		30	A
Dieldrin	65		65		30-150	0		30	A
4,4'-DDE	58		59		30-150	2		30	A
4,4'-DDD	73		73		30-150	0		30	A
4,4'-DDT	68		67		30-150	1		30	A
Endosulfan I	60		60		30-150	0		30	A
Endosulfan II	69		62		30-150	11		30	A
Endosulfan sulfate	48		49		30-150	2		30	A
Methoxychlor	59		59		30-150	0		30	A
cis-Chlordane	53		54		30-150	2		30	A
trans-Chlordane	66		67		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2207030

Report Date: 02/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1607056-2 WG1607056-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		86		30-150	A
Decachlorobiphenyl	92		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		90		30-150	B
Decachlorobiphenyl	100		98		30-150	B

METALS

Project Name: CPG PHASE 6 **Lab Number:** L2207030

Project Number: 21.1388 **Report Date:** 02/24/22

SAMPLE RESULTS

Lab ID: L2207030-01 Date Collected: 02/09/22 10:10

Client ID: SB-2022-10-220210 Date Received: 02/10/22

Sample Location: 8 COTTAGE PL., YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6360		mg/kg	8.95	2.42	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Antimony, Total	6.44		mg/kg	4.48	0.340	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Arsenic, Total	10.8		mg/kg	0.895	0.186	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Barium, Total	503		mg/kg	0.895	0.156	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Beryllium, Total	0.188	J	mg/kg	0.448	0.030	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Cadmium, Total	1.37		mg/kg	0.895	0.088	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Calcium, Total	16400		mg/kg	8.95	3.13	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Chromium, Total	17.9		mg/kg	0.895	0.086	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Cobalt, Total	6.62		mg/kg	1.79	0.149	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Copper, Total	37.9		mg/kg	0.895	0.231	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Iron, Total	31400		mg/kg	4.48	0.809	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Lead, Total	2680		mg/kg	4.48	0.240	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Magnesium, Total	2260		mg/kg	8.95	1.38	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Manganese, Total	374		mg/kg	0.895	0.142	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Mercury, Total	1.36		mg/kg	0.076	0.049	1	02/15/22 10:30	02/16/22 06:45	EPA 7471B	1,7471B	AC
Nickel, Total	12.1		mg/kg	2.24	0.217	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Potassium, Total	1090		mg/kg	224	12.9	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Selenium, Total	0.806	J	mg/kg	1.79	0.231	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.895	0.253	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Sodium, Total	473		mg/kg	179	2.82	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.79	0.282	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Vanadium, Total	14.7		mg/kg	0.895	0.182	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW
Zinc, Total	863		mg/kg	4.48	0.262	2	02/15/22 09:40	02/16/22 12:06	EPA 3050B	1,6010D	EW

Project Name: CPG PHASE 6 **Lab Number:** L2207030

Project Number: 21.1388 **Report Date:** 02/24/22

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 Batch: WG1604826-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Iron, Total	0.480	J	mg/kg	2.00	0.361	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Manganese, Total	ND		mg/kg	0.400	0.064	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Sodium, Total	1.97	J	mg/kg	80.0	1.26	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	02/15/22 09:40	02/16/22 10:39	1,6010D	EW

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 Batch: WG1604827-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	02/15/22 10:30	02/16/22 06:25	1,7471B	AC

Project Name: CPG PHASE 6
Project Number: 21.1388
Lab Number: L2207030
Report Date: 02/24/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2207030

Report Date: 02/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1604826-2 SRM Lot Number: D113-540								
Aluminum, Total	76		-		51-149	-		
Antimony, Total	160		-		20-250	-		
Arsenic, Total	105		-		70-130	-		
Barium, Total	97		-		75-125	-		
Beryllium, Total	102		-		75-125	-		
Cadmium, Total	100		-		75-125	-		
Calcium, Total	99		-		73-128	-		
Chromium, Total	100		-		70-130	-		
Cobalt, Total	99		-		75-125	-		
Copper, Total	100		-		75-125	-		
Iron, Total	94		-		36-164	-		
Lead, Total	102		-		72-128	-		
Magnesium, Total	90		-		63-138	-		
Manganese, Total	98		-		77-123	-		
Nickel, Total	99		-		70-130	-		
Potassium, Total	86		-		59-141	-		
Selenium, Total	107		-		66-134	-		
Silver, Total	107		-		70-131	-		
Sodium, Total	85		-		35-164	-		
Thallium, Total	103		-		70-130	-		
Vanadium, Total	99		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2207030

Report Date: 02/24/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1604826-2 SRM Lot Number: D113-540					
Zinc, Total	100	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1604827-2 SRM Lot Number: D113-540					
Mercury, Total	102	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

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 QC Batch ID: WG1604826-3 QC Sample: L2207276-01 Client ID: MS Sample												
Aluminum, Total	6120	171	6210	**53**	Q	-	-		75-125	-		20
Antimony, Total	ND	42.7	35.6	83		-	-		75-125	-		20
Arsenic, Total	2.61	10.2	12.0	92		-	-		75-125	-		20
Barium, Total	53.7	171	193	82		-	-		75-125	-		20
Beryllium, Total	0.213J	4.27	3.86	90		-	-		75-125	-		20
Cadmium, Total	ND	4.52	3.30	**73**	Q	-	-		75-125	-		20
Calcium, Total	16700	853	16800	**12**	Q	-	-		75-125	-		20
Chromium, Total	12.2	17.1	26.1	81		-	-		75-125	-		20
Cobalt, Total	5.88	42.7	38.6	77		-	-		75-125	-		20
Copper, Total	50.3	21.3	62.4	**57**	Q	-	-		75-125	-		20
Iron, Total	14100	85.3	13700	**0**	Q	-	-		75-125	-		20
Lead, Total	42.7	45.2	74.3	**70**	Q	-	-		75-125	-		20
Magnesium, Total	4650	853	5920	**149**	Q	-	-		75-125	-		20
Manganese, Total	188	42.7	199	**26**	Q	-	-		75-125	-		20
Nickel, Total	9.79	42.7	45.0	82		-	-		75-125	-		20
Potassium, Total	976	853	1480	**59**	Q	-	-		75-125	-		20
Selenium, Total	0.426J	10.2	9.55	93		-	-		75-125	-		20
Silver, Total	ND	25.6	23.4	91		-	-		75-125	-		20
Sodium, Total	434	853	1220	92		-	-		75-125	-		20
Thallium, Total	ND	10.2	8.16	80		-	-		75-125	-		20
Vanadium, Total	25.9	42.7	59.8	79		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

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 QC Batch ID: WG1604826-3 QC Sample: L2207276-01 Client ID: MS Sample										
Zinc, Total	69.1	42.7	95.8	**62**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1604827-3 QC Sample: L2207276-01 Client ID: MS Sample										
Mercury, Total	0.070J	0.143	0.198	**138**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1604826-4 QC Sample: L2207276-01 Client ID: DUP Sample						
Aluminum, Total	6120	6070	mg/kg	1		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	2.61	2.70	mg/kg	3		20
Barium, Total	53.7	54.1	mg/kg	1		20
Beryllium, Total	0.213J	0.202J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	16700	23800	mg/kg	**35**	Q	20
Chromium, Total	12.2	14.1	mg/kg	14		20
Cobalt, Total	5.88	5.66	mg/kg	4		20
Copper, Total	50.3	32.6	mg/kg	**43**	Q	20
Iron, Total	14100	13100	mg/kg	7		20
Lead, Total	42.7	39.9	mg/kg	7		20
Magnesium, Total	4650	7830	mg/kg	**51**	Q	20
Manganese, Total	188	203	mg/kg	8		20
Nickel, Total	9.79	10.6	mg/kg	8		20
Potassium, Total	976	872	mg/kg	11		20
Selenium, Total	0.426J	0.562J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	434	399	mg/kg	8		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1604826-4 QC Sample: L2207276-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	25.9	24.6	mg/kg	5	20
Zinc, Total	69.1	57.4	mg/kg	18	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1604827-4 QC Sample: L2207276-01 Client ID: DUP Sample					
Mercury, Total	0.070J	0.077	mg/kg	NC	20

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2207030
Report Date: 02/24/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1604826-6 QC Sample: L2207276-01 Client ID: DUP Sample						
Aluminum, Total	6120	6740	mg/kg	10		20
Barium, Total	53.7	62.3	mg/kg	16		20
Calcium, Total	16700	19000	mg/kg	14		20
Copper, Total	50.3	57.8	mg/kg	15		20
Iron, Total	14100	16600	mg/kg	18		20
Magnesium, Total	4650	5510	mg/kg	18		20
Manganese, Total	188	223	mg/kg	19		20
Vanadium, Total	25.9	30.5	mg/kg	18		20

INORGANICS
&
MISCELLANEOUS

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

SAMPLE RESULTS

Lab ID: L2207030-01
Client ID: SB-2022-10-220210
Sample Location: 8 COTTAGE PL., YONKERS, NY

Date Collected: 02/09/22 10:10
Date Received: 02/10/22
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	84.6		%	0.100	NA	1	-	02/11/22 09:46	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.946	0.189	1	02/16/22 16:22	02/17/22 08:15	1,7196A	JT

Project Name: CPG PHASE 6 **Lab Number:** L2207030

Project Number: 21.1388 **Report Date:** 02/24/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1605553-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	02/16/22 16:22	02/17/22 08:15	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2207030

Report Date: 02/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1605553-2								
Chromium, Hexavalent	90		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1605553-4 QC Sample: L2207030-01 Client ID: SB-2022-10-220210												
Chromium, Hexavalent	ND	1030	1160	112		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2207030

Report Date: 02/24/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1603879-1 QC Sample: L2207024-01 Client ID: DUP Sample						
Solids, Total	86.2	87.4	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1605553-6 QC Sample: L2207030-01 Client ID: SB-2022-10-220210						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2207030
Report Date: 02/24/22

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(*)
L2207030-01A	Vial MeOH preserved	A	NA		3.2	Y	Absent		HOLD-8260HLW(14)
L2207030-01B	Vial water preserved	A	NA		3.2	Y	Absent	11-FEB-22 03:49	HOLD-8260HLW(14)
L2207030-01C	Vial water preserved	A	NA		3.2	Y	Absent	11-FEB-22 03:49	HOLD-8260HLW(14)
L2207030-01D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2207030-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2207030-01F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),HOLD-8082(14),HEXCR-7196(30)
L2207030-01G	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),HOLD-8082(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name:	CPG PHASE 6	**Lab Number:**	L2207030
Project Number:	21.1388	**Report Date:**	02/24/22

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG PHASE 6	**Lab Number:**	L2207030
Project Number:	21.1388	**Report Date:**	02/24/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG PHASE 6	**Lab Number:**	L2207030
Project Number:	21.1388	**Report Date:**	02/24/22

Data Qualifiers

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG PHASE 6	**Lab Number:**	L2207030
Project Number:	21.1388	**Report Date:**	02/24/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
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, SM4500NO2-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, SM9222D.**

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, EPA 537.1.

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 ANALYTICAL

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: 2/10/22

ALPHA Job #: L2207080

Client Information
Client: C.T. Male Associates
Address: 50 Century Hill Dr. Latham, NY
Phone: 518-786-7400
Fax:
Email: K.moline@ctmale.com

Project Information
Project Name: CPG Co
Project Location: 8 Cottage Pl. Yonkers, NY
Project # 21.1388
(Use Project name as Project #) ☐
Project Manager: Kirk Moline
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

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 send results to r.andujar-moneil@ctmale.com and to S.bieber@ctmale.com

Please specify Metals or TAL. * Please HOLD VOC and PCB analyses *

ANALYSIS

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	TCL VOCs + TICs	TCL SVOCs + TICs	TCL PCBs	TAL metals incl. Hg	Hex Cr.				Sample Specific Comments	Total Bottle
07030-01	SB2022-10-220210	2/9/22	10:10	Soil	ML	✓	✓	✓	✓	✓				HOLD VOCs + PCBs	7

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

Container Type	V/P	A	A	A	A			
Preservative	F/A	A	A	A	A			

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	2/10/22 10:23	[signature] AAL	2-10-22 10:23
[signature] AAC	2/10/22 1320	[signature] AAC	2/10 1800
[signature] AAC	2/10 2200	[signature]	2/10 2200

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)

ANALYTICAL REPORT

Lab Number:	L2202943
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Kirk Moline
Phone:	(518) 786-7400
Project Name:	CPG PHASE 6
Project Number:	21.1388
Report Date:	01/26/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2202943-01	SB-2022-04	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	01/18/22 11:50	01/19/22
L2202943-02	SB-2022-03	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	01/18/22 12:45	01/19/22
L2202943-03	SB-2022-05	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	01/18/22 13:45	01/19/22
L2202943-04	SB-2022-01	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	01/18/22 15:10	01/19/22
L2202943-05	SB-2022-02	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	01/19/22 09:50	01/19/22
L2202943-06	SB-2022-06	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	01/19/22 12:15	01/19/22

Project Name:	CPG PHASE 6	**Lab Number:**	L2202943
Project Number:	21.1388	**Report Date:**	01/26/22

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: CPG PHASE 6 **Lab Number:** L2202943
Project Number: 21.1388 **Report Date:** 01/26/22

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.

Total Metals

L2202943-01 through -06: 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: 01/26/22

ORGANICS

SEMIVOLATILES

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-01
Client ID: SB-2022-04
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/18/22 11:50
Date Received: 01/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/24/22 17:39
Analyst: WR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 01/23/22 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	76	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	36	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-01 Date Collected: 01/18/22 11:50

Client ID: SB-2022-04 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, 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	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	32	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	94	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	63	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	ND		ug/kg	190	19.	1
Atrazine	ND		ug/kg	160	68.	1
Benzaldehyde	ND		ug/kg	260	52.	1

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-01 Date Collected: 01/18/22 11:50

Client ID: SB-2022-04 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY 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	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	80		18-120

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-02
Client ID: SB-2022-03
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/18/22 12:45
Date Received: 01/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/24/22 18:03
Analyst: WR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 01/23/22 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	71	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	47	J	ug/kg	110	21.	1
Benzo(a)pyrene	49	J	ug/kg	150	45.	1

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-02 Date Collected: 01/18/22 12:45

Client ID: SB-2022-03 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, 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	51	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	43	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	36	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	33	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	33	J	ug/kg	150	26.	1
Pyrene	83	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	ND		ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	64.	1
Benzaldehyde	ND		ug/kg	240	50.	1

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-02 Date Collected: 01/18/22 12:45

Client ID: SB-2022-03 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY 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	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	73		18-120

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-03
Client ID: SB-2022-05
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/18/22 13:45
Date Received: 01/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/24/22 18:27
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 01/23/22 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	420	54.	1
Hexachlorobenzene	ND		ug/kg	320	59.	1
Bis(2-chloroethyl)ether	ND		ug/kg	470	71.	1
2-Chloronaphthalene	ND		ug/kg	530	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	530	140	1
2,4-Dinitrotoluene	ND		ug/kg	530	100	1
2,6-Dinitrotoluene	ND		ug/kg	530	90.	1
Fluoranthene	270	J	ug/kg	320	60.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	530	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	530	80.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	630	90.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	570	53.	1
Hexachlorobutadiene	ND		ug/kg	530	77.	1
Hexachlorocyclopentadiene	ND		ug/kg	1500	480	1
Hexachloroethane	ND		ug/kg	420	85.	1
Isophorone	ND		ug/kg	470	68.	1
Naphthalene	ND		ug/kg	530	64.	1
Nitrobenzene	ND		ug/kg	470	78.	1
NDPA/DPA	ND		ug/kg	420	60.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	530	81.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	530	180	1
Butyl benzyl phthalate	ND		ug/kg	530	130	1
Di-n-butylphthalate	ND		ug/kg	530	100	1
Di-n-octylphthalate	ND		ug/kg	530	180	1
Diethyl phthalate	ND		ug/kg	530	49.	1
Dimethyl phthalate	ND		ug/kg	530	110	1
Benzo(a)anthracene	160	J	ug/kg	320	59.	1
Benzo(a)pyrene	140	J	ug/kg	420	130	1

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-03 Date Collected: 01/18/22 13:45

Client ID: SB-2022-05 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, 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	180	J	ug/kg	320	89.	1
Benzo(k)fluoranthene	ND		ug/kg	320	84.	1
Chrysene	140	J	ug/kg	320	55.	1
Acenaphthylene	ND		ug/kg	420	81.	1
Anthracene	ND		ug/kg	320	100	1
Benzo(ghi)perylene	76	J	ug/kg	420	62.	1
Fluorene	ND		ug/kg	530	51.	1
Phenanthrene	120	J	ug/kg	320	64.	1
Dibenzo(a,h)anthracene	ND		ug/kg	320	61.	1
Indeno(1,2,3-cd)pyrene	94	J	ug/kg	420	73.	1
Pyrene	240	J	ug/kg	320	52.	1
Biphenyl	ND		ug/kg	1200	68.	1
4-Chloroaniline	ND		ug/kg	530	96.	1
2-Nitroaniline	ND		ug/kg	530	100	1
3-Nitroaniline	ND		ug/kg	530	99.	1
4-Nitroaniline	ND		ug/kg	530	220	1
Dibenzofuran	ND		ug/kg	530	50.	1
2-Methylnaphthalene	ND		ug/kg	630	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	530	55.	1
Acetophenone	ND		ug/kg	530	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	320	100	1
p-Chloro-m-cresol	ND		ug/kg	530	78.	1
2-Chlorophenol	ND		ug/kg	530	62.	1
2,4-Dichlorophenol	ND		ug/kg	470	85.	1
2,4-Dimethylphenol	ND		ug/kg	530	170	1
2-Nitrophenol	ND		ug/kg	1100	200	1
4-Nitrophenol	ND		ug/kg	740	220	1
2,4-Dinitrophenol	ND		ug/kg	2500	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	1400	250	1
Pentachlorophenol	ND		ug/kg	420	120	1
Phenol	ND		ug/kg	530	80.	1
2-Methylphenol	ND		ug/kg	530	82.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	760	82.	1
2,4,5-Trichlorophenol	ND		ug/kg	530	100	1
Carbazole	ND		ug/kg	530	51.	1
Atrazine	ND		ug/kg	420	180	1
Benzaldehyde	ND		ug/kg	700	140	1

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-03 Date Collected: 01/18/22 13:45

Client ID: SB-2022-05 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY 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	530	160	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	530	110	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	73		18-120

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-04
Client ID: SB-2022-01
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/18/22 15:10
Date Received: 01/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/25/22 06:20
Analyst: JG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 01/24/22 10:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	190		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	120	J	ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	100	J	ug/kg	110	21.	1
Benzo(a)pyrene	86	J	ug/kg	150	46.	1

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-04 Date Collected: 01/18/22 15:10

Client ID: SB-2022-01 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, 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	120		ug/kg	110	32.	1
Benzo(k)fluoranthene	32	J	ug/kg	110	30.	1
Chrysene	96	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	57	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	120		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	58	J	ug/kg	150	26.	1
Pyrene	180		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	ND		ug/kg	250	51.	1

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-04 Date Collected: 01/18/22 15:10

Client ID: SB-2022-01 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY 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	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1
Tentatively Identified Compounds						
Total TIC Compounds	1480	J	ug/kg			1
Unknown	280	J	ug/kg			1
Unknown	248	J	ug/kg			1
Unknown	215	J	ug/kg			1
Unknown	288	J	ug/kg			1
Unknown	273	J	ug/kg			1
Unknown	171	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	60		18-120

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-05
Client ID: SB-2022-02
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/19/22 09:50
Date Received: 01/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/24/22 18:51
Analyst: WR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 01/23/22 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-05 Date Collected: 01/19/22 09:50

Client ID: SB-2022-02 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, 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	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	50.	1

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-05 Date Collected: 01/19/22 09:50

Client ID: SB-2022-02 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY 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	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	92		18-120

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-06
Client ID: SB-2022-06
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/19/22 12:15
Date Received: 01/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/24/22 19:15
Analyst: WR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 01/23/22 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	130		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	67	J	ug/kg	110	21.	1
Benzo(a)pyrene	70	J	ug/kg	150	45.	1

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-06 Date Collected: 01/19/22 12:15

Client ID: SB-2022-06 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, 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	79	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	69	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	42	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	72	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	46	J	ug/kg	150	26.	1
Pyrene	140		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	ND		ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	64.	1
Benzaldehyde	ND		ug/kg	240	49.	1

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-06 Date Collected: 01/19/22 12:15

Client ID: SB-2022-06 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY 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	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		25-120
Phenol-d6	109		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	101		30-120
2,4,6-Tribromophenol	116		10-136
4-Terphenyl-d14	101		18-120

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/24/22 14:02
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 01/23/22 17:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1597182-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	100	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	100	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	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
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	26.
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	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/24/22 14:02
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 01/23/22 17:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1597182-1					
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	160	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	22.
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	69.
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	100	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	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: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/24/22 14:02
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 01/23/22 17:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1597182-1					
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	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	65		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1597182-2 WG1597182-3								
Acenaphthene	66		76		31-137	14		50
Hexachlorobenzene	70		82		40-140	16		50
Bis(2-chloroethyl)ether	61		74		40-140	19		50
2-Chloronaphthalene	66		79		40-140	18		50
3,3'-Dichlorobenzidine	**38**	Q	45		40-140	17		50
2,4-Dinitrotoluene	68		81		40-132	17		50
2,6-Dinitrotoluene	69		84		40-140	20		50
Fluoranthene	68		79		40-140	15		50
4-Chlorophenyl phenyl ether	68		79		40-140	15		50
4-Bromophenyl phenyl ether	68		81		40-140	17		50
Bis(2-chloroisopropyl)ether	55		68		40-140	21		50
Bis(2-chloroethoxy)methane	62		77		40-117	22		50
Hexachlorobutadiene	64		78		40-140	20		50
Hexachlorocyclopentadiene	68		84		40-140	21		50
Hexachloroethane	60		73		40-140	20		50
Isophorone	60		74		40-140	21		50
Naphthalene	64		77		40-140	18		50
Nitrobenzene	62		75		40-140	19		50
NDPA/DPA	68		80		36-157	16		50
n-Nitrosodi-n-propylamine	60		75		32-121	22		50
Bis(2-ethylhexyl)phthalate	65		78		40-140	18		50
Butyl benzyl phthalate	65		77		40-140	17		50
Di-n-butylphthalate	65		77		40-140	17		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1597182-2 WG1597182-3								
Di-n-octylphthalate	65		77		40-140	17		50
Diethyl phthalate	65		76		40-140	16		50
Dimethyl phthalate	65		78		40-140	18		50
Benzo(a)anthracene	66		78		40-140	17		50
Benzo(a)pyrene	71		81		40-140	13		50
Benzo(b)fluoranthene	69		79		40-140	14		50
Benzo(k)fluoranthene	72		84		40-140	15		50
Chrysene	67		79		40-140	16		50
Acenaphthylene	67		79		40-140	16		50
Anthracene	67		79		40-140	16		50
Benzo(ghi)perylene	68		78		40-140	14		50
Fluorene	67		79		40-140	16		50
Phenanthrene	67		77		40-140	14		50
Dibenzo(a,h)anthracene	67		78		40-140	15		50
Indeno(1,2,3-cd)pyrene	68		81		40-140	17		50
Pyrene	67		79		35-142	16		50
Biphenyl	66		79		37-127	18		50
4-Chloroaniline	69		83		40-140	18		50
2-Nitroaniline	68		83		47-134	20		50
3-Nitroaniline	51		59		26-129	15		50
4-Nitroaniline	69		81		41-125	16		50
Dibenzofuran	67		79		40-140	16		50
2-Methylnaphthalene	67		80		40-140	18		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1597182-2 WG1597182-3								
1,2,4,5-Tetrachlorobenzene	67		80		40-117	18		50
Acetophenone	64		78		14-144	20		50
2,4,6-Trichlorophenol	70		84		30-130	18		50
p-Chloro-m-cresol	69		81		26-103	16		50
2-Chlorophenol	66		81		25-102	20		50
2,4-Dichlorophenol	67		83		30-130	21		50
2,4-Dimethylphenol	66		80		30-130	19		50
2-Nitrophenol	67		81		30-130	19		50
4-Nitrophenol	67		80		11-114	18		50
2,4-Dinitrophenol	41		49		4-130	18		50
4,6-Dinitro-o-cresol	64		76		10-130	17		50
Pentachlorophenol	65		80		17-109	21		50
Phenol	68		83		26-90	20		50
2-Methylphenol	68		82		30-130.	19		50
3-Methylphenol/4-Methylphenol	68		81		30-130	17		50
2,4,5-Trichlorophenol	70		85		30-130	19		50
Carbazole	69		80		54-128	15		50
Atrazine	60		73		40-140	20		50
Benzaldehyde	59		71		40-140	18		50
Caprolactam	65		79		15-130	19		50
2,3,4,6-Tetrachlorophenol	68		78		40-140	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1597182-2 WG1597182-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		83		25-120
Phenol-d6	71		86		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	69		82		30-120
2,4,6-Tribromophenol	77		89		10-136
4-Terphenyl-d14	69		82		18-120

METALS

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-01 Date Collected: 01/18/22 11:50

Client ID: SB-2022-04 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10100		mg/kg	8.98	2.42	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.49	0.341	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Arsenic, Total	1.73		mg/kg	0.898	0.187	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Barium, Total	46.7		mg/kg	0.898	0.156	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Beryllium, Total	0.260	J	mg/kg	0.449	0.030	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Cadmium, Total	0.260	J	mg/kg	0.898	0.088	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Calcium, Total	756		mg/kg	8.98	3.14	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Chromium, Total	25.6		mg/kg	0.898	0.086	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Cobalt, Total	5.11		mg/kg	1.80	0.149	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Copper, Total	17.8		mg/kg	0.898	0.232	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Iron, Total	14000		mg/kg	4.49	0.811	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Lead, Total	9.35		mg/kg	4.49	0.241	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Magnesium, Total	2150		mg/kg	8.98	1.38	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Manganese, Total	103		mg/kg	0.898	0.143	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.083	0.054	1	01/21/22 21:50	01/24/22 17:05	EPA 7471B	1,7471B	ZK
Nickel, Total	14.8		mg/kg	2.24	0.217	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Potassium, Total	547		mg/kg	224	12.9	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.80	0.232	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.898	0.254	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Sodium, Total	197		mg/kg	180	2.83	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.80	0.283	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Vanadium, Total	27.9		mg/kg	0.898	0.182	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW
Zinc, Total	26.5		mg/kg	4.49	0.263	2	01/21/22 21:22	01/24/22 11:00	EPA 3050B	1,6010D	EW

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-02 Date Collected: 01/18/22 12:45

Client ID: SB-2022-03 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8130		mg/kg	8.85	2.39	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.42	0.336	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Arsenic, Total	2.81		mg/kg	0.885	0.184	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Barium, Total	45.2		mg/kg	0.885	0.154	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Beryllium, Total	0.266	J	mg/kg	0.442	0.029	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Cadmium, Total	0.310	J	mg/kg	0.885	0.087	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Calcium, Total	999		mg/kg	8.85	3.10	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Chromium, Total	15.4		mg/kg	0.885	0.085	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Cobalt, Total	4.83		mg/kg	1.77	0.147	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Copper, Total	14.2		mg/kg	0.885	0.228	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Iron, Total	11700		mg/kg	4.42	0.799	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Lead, Total	73.5		mg/kg	4.42	0.237	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Magnesium, Total	1790		mg/kg	8.85	1.36	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Manganese, Total	162		mg/kg	0.885	0.141	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Mercury, Total	0.138		mg/kg	0.082	0.054	1	01/21/22 21:50	01/24/22 17:28	EPA 7471B	1,7471B	ZK
Nickel, Total	10.0		mg/kg	2.21	0.214	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Potassium, Total	373		mg/kg	221	12.7	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.77	0.228	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.885	0.250	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Sodium, Total	57.3	J	mg/kg	177	2.79	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.77	0.279	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Vanadium, Total	21.2		mg/kg	0.885	0.180	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW
Zinc, Total	56.0		mg/kg	4.42	0.259	2	01/21/22 21:22	01/24/22 11:05	EPA 3050B	1,6010D	EW

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-03 Date Collected: 01/18/22 13:45

Client ID: SB-2022-05 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7400		mg/kg	8.79	2.37	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.39	0.334	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Arsenic, Total	2.52		mg/kg	0.879	0.183	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Barium, Total	109		mg/kg	0.879	0.153	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Beryllium, Total	0.598		mg/kg	0.439	0.029	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Cadmium, Total	0.747	J	mg/kg	0.879	0.086	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Calcium, Total	20400		mg/kg	8.79	3.08	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Chromium, Total	11.0		mg/kg	0.879	0.084	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Cobalt, Total	5.18		mg/kg	1.76	0.146	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Copper, Total	19.3		mg/kg	0.879	0.227	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Iron, Total	8990		mg/kg	4.39	0.794	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Lead, Total	171		mg/kg	4.39	0.236	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Magnesium, Total	3830		mg/kg	8.79	1.35	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Manganese, Total	784		mg/kg	0.879	0.140	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Mercury, Total	0.356		mg/kg	0.078	0.051	1	01/21/22 21:50	01/24/22 17:31	EPA 7471B	1,7471B	ZK
Nickel, Total	12.8		mg/kg	2.20	0.213	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Potassium, Total	476		mg/kg	220	12.6	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Selenium, Total	0.466	J	mg/kg	1.76	0.227	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.879	0.249	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Sodium, Total	261		mg/kg	176	2.77	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.76	0.277	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Vanadium, Total	15.7		mg/kg	0.879	0.178	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW
Zinc, Total	194		mg/kg	4.39	0.257	2	01/21/22 21:22	01/24/22 11:10	EPA 3050B	1,6010D	EW

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-04 Date Collected: 01/18/22 15:10

Client ID: SB-2022-01 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8260		mg/kg	8.90	2.40	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.45	0.338	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Arsenic, Total	2.80		mg/kg	0.890	0.185	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Barium, Total	43.2		mg/kg	0.890	0.155	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Beryllium, Total	0.240	J	mg/kg	0.445	0.029	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Cadmium, Total	0.320	J	mg/kg	0.890	0.087	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Calcium, Total	943		mg/kg	8.90	3.12	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Chromium, Total	23.5		mg/kg	0.890	0.086	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Cobalt, Total	6.82		mg/kg	1.78	0.148	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Copper, Total	14.0		mg/kg	0.890	0.230	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Iron, Total	12800		mg/kg	4.45	0.804	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Lead, Total	65.3		mg/kg	4.45	0.239	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Magnesium, Total	1950		mg/kg	8.90	1.37	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Manganese, Total	214		mg/kg	0.890	0.142	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Mercury, Total	0.590		mg/kg	0.080	0.052	1	01/21/22 21:50	01/24/22 17:35	EPA 7471B	1,7471B	ZK
Nickel, Total	12.6		mg/kg	2.23	0.215	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Potassium, Total	355		mg/kg	223	12.8	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.78	0.230	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.890	0.252	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Sodium, Total	194		mg/kg	178	2.80	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.78	0.280	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Vanadium, Total	23.9		mg/kg	0.890	0.181	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW
Zinc, Total	47.5		mg/kg	4.45	0.261	2	01/21/22 21:22	01/24/22 11:15	EPA 3050B	1,6010D	EW

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-05 Date Collected: 01/19/22 09:50

Client ID: SB-2022-02 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8310		mg/kg	8.79	2.37	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.39	0.334	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Arsenic, Total	1.54		mg/kg	0.879	0.183	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Barium, Total	23.0		mg/kg	0.879	0.153	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Beryllium, Total	0.246	J	mg/kg	0.439	0.029	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Cadmium, Total	0.228	J	mg/kg	0.879	0.086	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Calcium, Total	664		mg/kg	8.79	3.08	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Chromium, Total	17.1		mg/kg	0.879	0.084	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Cobalt, Total	5.09		mg/kg	1.76	0.146	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Copper, Total	8.23		mg/kg	0.879	0.227	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Iron, Total	12100		mg/kg	4.39	0.794	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Lead, Total	4.47		mg/kg	4.39	0.236	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Magnesium, Total	2180		mg/kg	8.79	1.35	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Manganese, Total	174		mg/kg	0.879	0.140	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.083	0.054	1	01/21/22 21:50	01/24/22 17:38	EPA 7471B	1,7471B	ZK
Nickel, Total	9.57		mg/kg	2.20	0.213	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Potassium, Total	313		mg/kg	220	12.6	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.76	0.227	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.879	0.249	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Sodium, Total	584		mg/kg	176	2.77	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.76	0.277	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Vanadium, Total	20.4		mg/kg	0.879	0.178	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW
Zinc, Total	19.8		mg/kg	4.39	0.258	2	01/21/22 21:22	01/24/22 11:20	EPA 3050B	1,6010D	EW

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-06 Date Collected: 01/19/22 12:15

Client ID: SB-2022-06 Date Received: 01/19/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6520		mg/kg	8.65	2.34	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.32	0.329	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Arsenic, Total	2.45		mg/kg	0.865	0.180	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Barium, Total	31.4		mg/kg	0.865	0.150	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Beryllium, Total	0.199	J	mg/kg	0.432	0.029	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Cadmium, Total	0.242	J	mg/kg	0.865	0.085	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Calcium, Total	1150		mg/kg	8.65	3.03	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Chromium, Total	17.0		mg/kg	0.865	0.083	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Cobalt, Total	6.84		mg/kg	1.73	0.144	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Copper, Total	16.1		mg/kg	0.865	0.223	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Iron, Total	11400		mg/kg	4.32	0.781	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Lead, Total	63.0		mg/kg	4.32	0.232	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Magnesium, Total	2230		mg/kg	8.65	1.33	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Manganese, Total	336		mg/kg	0.865	0.138	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Mercury, Total	0.164		mg/kg	0.073	0.048	1	01/21/22 21:50	01/24/22 17:41	EPA 7471B	1,7471B	ZK
Nickel, Total	15.8		mg/kg	2.16	0.209	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Potassium, Total	924		mg/kg	216	12.4	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.73	0.223	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.865	0.245	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Sodium, Total	351		mg/kg	173	2.72	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.73	0.272	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Vanadium, Total	20.0		mg/kg	0.865	0.176	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW
Zinc, Total	43.6		mg/kg	4.32	0.253	2	01/21/22 21:22	01/24/22 11:25	EPA 3050B	1,6010D	EW

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

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): 01-06 Batch: WG1596738-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Chromium, Total	0.104	J	mg/kg	0.400	0.038	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Iron, Total	0.568	J	mg/kg	2.00	0.361	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Manganese, Total	0.164	J	mg/kg	0.400	0.064	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Sodium, Total	6.29	J	mg/kg	80.0	1.26	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	01/21/22 21:22	01/24/22 09:59	1,6010D	EW

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): 01-06 Batch: WG1596739-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	01/21/22 21:50	01/24/22 16:59	1,7471B	ZK

Project Name: CPG PHASE 6 **Lab Number:** L2202943

Project Number: 21.1388 **Report Date:** 01/26/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2202943

Report Date: 01/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1596738-2 SRM Lot Number: D113-540								
Aluminum, Total	70		-		51-149	-		
Antimony, Total	144		-		20-250	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	86		-		75-125	-		
Beryllium, Total	91		-		75-125	-		
Cadmium, Total	99		-		75-125	-		
Calcium, Total	88		-		73-128	-		
Chromium, Total	89		-		70-130	-		
Cobalt, Total	100		-		75-125	-		
Copper, Total	94		-		75-125	-		
Iron, Total	82		-		36-164	-		
Lead, Total	98		-		72-128	-		
Magnesium, Total	85		-		63-138	-		
Manganese, Total	88		-		77-123	-		
Nickel, Total	100		-		70-130	-		
Potassium, Total	80		-		59-141	-		
Selenium, Total	99		-		66-134	-		
Silver, Total	94		-		70-131	-		
Sodium, Total	85		-		35-164	-		
Thallium, Total	99		-		70-130	-		
Vanadium, Total	91		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2202943

Report Date: 01/26/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1596738-2 SRM Lot Number: D113-540					
Zinc, Total	99	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1596739-2 SRM Lot Number: D113-540					
Mercury, Total	114	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

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): 01-06 QC Batch ID: WG1596738-3 QC Sample: L2203022-02 Client ID: MS Sample												
Aluminum, Total	5200	201	5340	**70**	Q	-	-		75-125	-		20
Antimony, Total	ND	50.3	40.9	81		-	-		75-125	-		20
Arsenic, Total	1.90	12.1	12.7	89		-	-		75-125	-		20
Barium, Total	22.3	201	191	84		-	-		75-125	-		20
Beryllium, Total	0.234J	5.03	4.53	90		-	-		75-125	-		20
Cadmium, Total	0.254J	5.33	4.67	88		-	-		75-125	-		20
Calcium, Total	2240	1000	3310	106		-	-		75-125	-		20
Chromium, Total	9.06	20.1	24.5	77		-	-		75-125	-		20
Cobalt, Total	5.26	50.3	44.8	79		-	-		75-125	-		20
Copper, Total	9.63	25.1	30.9	84		-	-		75-125	-		20
Iron, Total	11900	100	11100	**0**	Q	-	-		75-125	-		20
Lead, Total	10.5	53.3	55.0	83		-	-		75-125	-		20
Magnesium, Total	2430	1000	3090	**66**	Q	-	-		75-125	-		20
Manganese, Total	203	50.3	260	113		-	-		75-125	-		20
Nickel, Total	11.6	50.3	51.5	79		-	-		75-125	-		20
Potassium, Total	490	1000	1420	92		-	-		75-125	-		20
Selenium, Total	ND	12.1	10.4	86		-	-		75-125	-		20
Silver, Total	ND	30.2	26.5	88		-	-		75-125	-		20
Sodium, Total	128J	1000	1020	101		-	-		75-125	-		20
Thallium, Total	ND	12.1	9.26	77		-	-		75-125	-		20
Vanadium, Total	12.0	50.3	53.1	82		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

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): 01-06 QC Batch ID: WG1596738-3 QC Sample: L2203022-02 Client ID: MS Sample									
Zinc, Total	29.8	50.3	68.4	77	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1596739-3 QC Sample: L2202943-01 Client ID: SB-2022-04									
Mercury, Total	ND	0.164	0.184	112	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1596738-4 QC Sample: L2203022-02 Client ID: DUP Sample						
Aluminum, Total	5200	4800	mg/kg	8		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	1.90	1.79	mg/kg	6		20
Barium, Total	22.3	21.9	mg/kg	2		20
Beryllium, Total	0.234J	0.208J	mg/kg	NC		20
Cadmium, Total	0.254J	0.237J	mg/kg	NC		20
Calcium, Total	2240	2450	mg/kg	9		20
Chromium, Total	9.06	8.47	mg/kg	7		20
Cobalt, Total	5.26	4.86	mg/kg	8		20
Copper, Total	9.63	9.52	mg/kg	1		20
Iron, Total	11900	11200	mg/kg	6		20
Lead, Total	10.5	14.4	mg/kg	**31**	Q	20
Magnesium, Total	2430	2340	mg/kg	4		20
Manganese, Total	203	228	mg/kg	12		20
Nickel, Total	11.6	11.0	mg/kg	5		20
Potassium, Total	490	492	mg/kg	0		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	128J	128J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1596738-4 QC Sample: L2203022-02 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	12.0	11.3	mg/kg	6	20
Zinc, Total	29.8	28.0	mg/kg	6	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1596739-4 QC Sample: L2202943-01 Client ID: SB-2022-04					
Mercury, Total	ND	ND	mg/kg	NC	20

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2202943
Report Date: 01/26/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1596738-6 QC Sample: L2203022-02 Client ID: DUP Sample						
Aluminum, Total	5200	6350	mg/kg	**22**	Q	20
Calcium, Total	2240	2810	mg/kg	**25**	Q	20
Iron, Total	11900	14800	mg/kg	**24**	Q	20
Magnesium, Total	2430	2890	mg/kg	19		20
Manganese, Total	203	254	mg/kg	**25**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-01
Client ID: SB-2022-04
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/18/22 11:50
Date Received: 01/19/22
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	85.4		%	0.100	NA	1	-	01/20/22 11:49	121,2540G	RI

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-02
Client ID: SB-2022-03
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/18/22 12:45
Date Received: 01/19/22
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	89.1		%	0.100	NA	1	-	01/20/22 11:49	121,2540G	RI

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-03
Client ID: SB-2022-05
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/18/22 13:45
Date Received: 01/19/22
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	87.2		%	0.100	NA	1	-	01/20/22 11:49	121,2540G	RI

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-04
Client ID: SB-2022-01
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/18/22 15:10
Date Received: 01/19/22
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	87.4		%	0.100	NA	1	-	01/20/22 11:49	121,2540G	RI

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-05
Client ID: SB-2022-02
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/19/22 09:50
Date Received: 01/19/22
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	88.2		%	0.100	NA	1	-	01/20/22 11:49	121,2540G	RI

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

SAMPLE RESULTS

Lab ID: L2202943-06
Client ID: SB-2022-06
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/19/22 12:15
Date Received: 01/19/22
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	88.8		%	0.100	NA	1	-	01/20/22 11:49	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2202943

Report Date: 01/26/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1596110-1 QC Sample: L2202679-01 Client ID: DUP Sample						
Solids, Total	80.3	79.4	%	1		20

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

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(*)
L2202943-01A	Vial MeOH preserved	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2202943-01B	Vial water preserved	A	NA		2.2	Y	Absent	20-JAN-22 04:46	HOLD-8260HLW(14)
L2202943-01C	Vial water preserved	A	NA		2.2	Y	Absent	20-JAN-22 04:46	HOLD-8260HLW(14)
L2202943-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2202943-01E	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2202943-01F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14),HOLD-8082(14)
L2202943-02A	Vial MeOH preserved	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2202943-02B	Vial water preserved	A	NA		2.2	Y	Absent	20-JAN-22 04:46	HOLD-8260HLW(14)
L2202943-02C	Vial water preserved	A	NA		2.2	Y	Absent	20-JAN-22 04:46	HOLD-8260HLW(14)
L2202943-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2202943-02E	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2202943-02F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14),HOLD-8082(14)
L2202943-03A	Vial MeOH preserved	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2202943-03B	Vial water preserved	A	NA		2.2	Y	Absent	20-JAN-22 04:46	HOLD-8260HLW(14)
L2202943-03C	Vial water preserved	A	NA		2.2	Y	Absent	20-JAN-22 04:46	HOLD-8260HLW(14)
L2202943-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2202943
Report Date: 01/26/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2202943-03E	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2202943-03F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14),HOLD-8082(14)
L2202943-04D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2202943-04F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14),TS(7),HOLD-8082(14)
L2202943-05A	Vial MeOH preserved	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2202943-05B	Vial water preserved	A	NA		2.2	Y	Absent	20-JAN-22 04:46	HOLD-8260HLW(14)
L2202943-05C	Vial water preserved	A	NA		2.2	Y	Absent	20-JAN-22 04:46	HOLD-8260HLW(14)
L2202943-05D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2202943-05E	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2202943-05F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14),HOLD-8082(14)
L2202943-06A	Vial MeOH preserved	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2202943-06B	Vial water preserved	A	NA		2.2	Y	Absent	20-JAN-22 04:46	HOLD-8260HLW(14)
L2202943-06C	Vial water preserved	A	NA		2.2	Y	Absent	20-JAN-22 04:46	HOLD-8260HLW(14)
L2202943-06D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2202943-06E	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2202943-06F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14),HOLD-8082(14)

*Values in parentheses indicate holding time in days

Project Name:	CPG PHASE 6	**Lab Number:**	L2202943
Project Number:	21.1388	**Report Date:**	01/26/22

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.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG PHASE 6	**Lab Number:**	L2202943
Project Number:	21.1388	**Report Date:**	01/26/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG PHASE 6	**Lab Number:**	L2202943
Project Number:	21.1388	**Report Date:**	01/26/22

Data Qualifiers

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	CPG PHASE 6	**Lab Number:**	L2202943
Project Number:	21.1388	**Report Date:**	01/26/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
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, SM4500NO2-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, SM9222D.**

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, EPA 537.1.

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 ANALYTICAL

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: 01/20/22

ALPHA Job #: L2202943

Client Information
Client: C.T. Male Associates
Address: 50 Century Hill Drive, Latham, NY 12110
Phone: 518-786-7400
Fax:
Email: K.moline@ctmale.com

Project Information
Project Name: CPG Phase 6
Project Location: 8 Cottage Garden Place, Yonkers, NY
Project # 21.1338
(Use Project name as Project #) ☐
Project Manager: Kirk Moline
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

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 send results to r.ardujar-mcneil@ctmale.com and to s.bieber@ctmale.com

Please specify Metals or TAL. * Please place all PCB analyses on HOLD *
* Please place all TCL VOC analyses on HOLD *

ANALYSIS

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	TCL VOCs +TICs	TCL SVOCs +TICs	TCL metals incl. Hg	TCL PCBs					Sample Specific Comments	Total # Bottles
02943-01	SB 2022-04	1/18/22	11:50	SOIL	ML	✓	✓	✓	✓					HOLD PCBs + VOCs	6
-02	SB 2022-03	1/18/22	12:45		ML	✓	✓	✓	✓						6
-03	SB 2022-05	1/18/22	13:45		ML	✓	✓	✓	✓						6
-04	SB 2022-01	1/18/22	15:10		ML		✓	✓	✓						2
-05	SB 2022-02	1/19/22	9:50		ML	✓	✓	✓	✓						6
-06	SB 2022-06	1/19/22	12:15		ML	✓	✓	✓	✓						6
Container Type						W/P	A	A							
Preservative						F/A	A	A							

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
	1/19/21 14:48	AAL-1	1/19/22 14:48
AAL-1	1/19/22 19:05		1/19/22 23:30
	1/20/22 03:00		1/20/22 03:00

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)

ANALYTICAL REPORT

Lab Number:	L2205187
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Kirk Moline
Phone:	(518) 786-7400
Project Name:	CPG PHASE 6
Project Number:	21.1388
Report Date:	02/14/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2205187
Report Date: 02/14/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2205187-01	SB-2022-04	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	01/18/22 11:50	01/19/22
L2205187-02	SB-2022-03	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	01/18/22 12:45	01/19/22
L2205187-03	SB-2022-05	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	01/18/22 13:45	01/19/22
L2205187-04	SB-2022-01	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	01/18/22 15:10	01/19/22
L2205187-05	SB-2022-02	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	01/19/22 09:50	01/19/22
L2205187-06	SB-2022-06	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	01/19/22 12:15	01/19/22

Project Name:	CPG PHASE 6	**Lab Number:**	L2205187
Project Number:	21.1388	**Report Date:**	02/14/22

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:	CPG PHASE 6	**Lab Number:**	L2205187
Project Number:	21.1388	**Report Date:**	02/14/22

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.

Sample Receipt

The analyses performed were specified by the client.

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: Sebastian Corbin

Title: Technical Director/Representative Date: 02/14/22

INORGANICS
&
MISCELLANEOUS

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2205187
Report Date: 02/14/22

SAMPLE RESULTS

Lab ID: L2205187-01
Client ID: SB-2022-04
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/18/22 11:50
Date Received: 01/19/22
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	87.2		%	0.100	NA	1	-	02/02/22 08:09	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.917	0.183	1	02/11/22 14:15	02/12/22 14:50	1,7196A	JT

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2205187
Report Date: 02/14/22

SAMPLE RESULTS

Lab ID: L2205187-02
Client ID: SB-2022-03
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/18/22 12:45
Date Received: 01/19/22
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	89.1		%	0.100	NA	1	-	02/02/22 08:09	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.898	0.180	1	02/11/22 14:15	02/12/22 14:50	1,7196A	JT

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2205187
Report Date: 02/14/22

SAMPLE RESULTS

Lab ID: L2205187-03
Client ID: SB-2022-05
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/18/22 13:45
Date Received: 01/19/22
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	86.1		%	0.100	NA	1	-	02/02/22 08:09	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.929	0.186	1	02/11/22 14:15	02/12/22 14:50	1,7196A	JT

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2205187
Report Date: 02/14/22

SAMPLE RESULTS

Lab ID: L2205187-04
Client ID: SB-2022-01
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/18/22 15:10
Date Received: 01/19/22
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	87.9		%	0.100	NA	1	-	02/02/22 08:09	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.910	0.182	1	02/11/22 14:15	02/12/22 14:50	1,7196A	JT

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2205187
Report Date: 02/14/22

SAMPLE RESULTS

Lab ID: L2205187-05
Client ID: SB-2022-02
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/19/22 09:50
Date Received: 01/19/22
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	88.3		%	0.100	NA	1	-	02/02/22 08:09	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.906	0.181	1	02/11/22 14:15	02/12/22 14:50	1,7196A	JT

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2205187
Report Date: 02/14/22

SAMPLE RESULTS

Lab ID: L2205187-06
Client ID: SB-2022-06
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 01/19/22 12:15
Date Received: 01/19/22
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	90.1		%	0.100	NA	1	-	02/02/22 08:09	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.888	0.178	1	02/11/22 14:15	02/12/22 14:50	1,7196A	JT

Project Name: CPG PHASE 6 **Lab Number:** L2205187

Project Number: 21.1388 **Report Date:** 02/14/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1604360-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	02/11/22 14:15	02/12/22 14:50	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2205187

Report Date: 02/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1604360-2								
Chromium, Hexavalent	93		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2205187
Report Date: 02/14/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1604360-4 QC Sample: L2205187-05 Client ID: SB-2022-02												
Chromium, Hexavalent	ND	1150	1070	93		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2205187

Report Date: 02/14/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1600506-1 QC Sample: L2205285-01 Client ID: DUP Sample						
Solids, Total	85.3	85.8	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1604360-6 QC Sample: L2205187-05 Client ID: SB-2022-02						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2205187
Report Date: 02/14/22

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(*)
L2205187-01A	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		HEXCR-7196(30)
L2205187-02A	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		HEXCR-7196(30)
L2205187-03A	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		HEXCR-7196(30)
L2205187-04A	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		HEXCR-7196(30)
L2205187-05A	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		HEXCR-7196(30)
L2205187-06A	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name:	CPG PHASE 6	**Lab Number:**	L2205187
Project Number:	21.1388	**Report Date:**	02/14/22

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG PHASE 6	**Lab Number:**	L2205187
Project Number:	21.1388	**Report Date:**	02/14/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG PHASE 6	**Lab Number:**	L2205187
Project Number:	21.1388	**Report Date:**	02/14/22

Data Qualifiers

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG PHASE 6	**Lab Number:**	L2205187
Project Number:	21.1388	**Report Date:**	02/14/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
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, SM4500NO2-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, SM9222D.**

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, EPA 537.1.

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.

L2205187

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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: 01/20/22

ALPHA Job #: L2202943 — ED 2/1/22

Client Information
Client: C.T. Male Associates
Address: 50 Century Hill Drive, Latham, NY 12110
Phone: 518-786-7400
Fax:
Email: K.maline@ctmale.com

Project Information
Project Name: CPG Phase 6
Project Location: 8 Cottage Garden Place, Yonkers, NY
Project # 21.1333
(Use Project name as Project #)
Project Manager: Kirk Maline
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

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 send results to r.ardujar-manell@ctmale.com and to s.bieber@ctmale.com

Please specify Metals or TAL. * Please place all PCB analyses on HOLD *
* Please place all TCL VOC analyses on HOLD *

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	TCL VOCs + TICs	TCL SVOCs + TICs	TCL metals incl. Hg	TCL PCBs	HEXCR				Sample Specific Comments	Total Bottle
02943-01	SB 2022-04	1/19/22	11:50	Soil	ML	✓	✓	✓	✓	X				HOLD PCBs + VOCs	6
05187-02	SB 2022-03	1/19/22	12:45		ML	✓	✓	✓	✓	X					6
-03	SB 2022-05	1/19/22	13:45		ML	✓	✓	✓	✓	X					6
-04	SB 2022-01	1/19/22	15:10		ML		✓	✓	✓	X					2
-05	SB 2022-02	1/19/22	9:50		ML	✓	✓	✓	✓	X					6
-06	SB 2022-06	1/19/22	12:15	↓	ML	✓	✓	✓	✓	X				↓	6

Container Type	V/P	A	A					
Preservative	F/A	A	A					

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
	1/19/22 14:43		1/19/22 14:43
AAL-1	1/19/22 19:05		1/19/22 2233
	1/20/22 03:00		1/20/22 03:00

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)

ANALYTICAL REPORT

Lab Number:	L2206515
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Kirk Moline
Phone:	(518) 786-7400
Project Name:	CPG PHASE 6
Project Number:	21.1388
Report Date:	02/23/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2206515
Report Date: 02/23/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2206515-01	SB-2022-07-220207	SOIL	8 COTTAGE GARDEN PLACE, YONKERS, NY	02/07/22 09:45	02/08/22

Project Name:	CPG PHASE 6	**Lab Number:**	L2206515
Project Number:	21.1388	**Report Date:**	02/23/22

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:	CPG PHASE 6	**Lab Number:**	L2206515
Project Number:	21.1388	**Report Date:**	02/23/22

Case Narrative (continued)

Report Submission

February 23, 2022: This final report includes the results of all requested analyses.

February 16, 2022: This is a preliminary report.

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

Sample Receipt

L2206515-01: At the client's request, the Pesticides analysis was performed.

Total Metals

L2206515-01: 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: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 02/23/22

ORGANICS

SEMIVOLATILES

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

SAMPLE RESULTS

Lab ID: L2206515-01
Client ID: SB-2022-07-220207
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 02/07/22 09:45
Date Received: 02/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 02/15/22 03:48
Analyst: IM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 02/12/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

SAMPLE RESULTS

Lab ID: L2206515-01 Date Collected: 02/07/22 09:45

Client ID: SB-2022-07-220207 Date Received: 02/08/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, 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	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	25.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

SAMPLE RESULTS

Lab ID: L2206515-01 Date Collected: 02/07/22 09:45

Client ID: SB-2022-07-220207 Date Received: 02/08/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY 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	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1
Tentatively Identified Compounds						
Total TIC Compounds	388	J	ug/kg			1
Unknown	188	J	ug/kg			1
Unknown	200	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	52		18-120

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/13/22 09:09
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 02/12/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1604303-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
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	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/13/22 09:09
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 02/12/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1604303-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
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	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/13/22 09:09
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 02/12/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1604303-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	65		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2206515
Report Date: 02/23/22

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: WG1604303-2 WG1604303-3								
Acenaphthene	57		57		31-137	0		50
Hexachlorobenzene	55		53		40-140	4		50
Bis(2-chloroethyl)ether	56		53		40-140	6		50
2-Chloronaphthalene	60		58		40-140	3		50
3,3'-Dichlorobenzidine	**38**	Q	**37**	Q	40-140	3		50
2,4-Dinitrotoluene	61		60		40-132	2		50
2,6-Dinitrotoluene	62		61		40-140	2		50
Fluoranthene	60		58		40-140	3		50
4-Chlorophenyl phenyl ether	58		55		40-140	5		50
4-Bromophenyl phenyl ether	57		55		40-140	4		50
Bis(2-chloroisopropyl)ether	56		53		40-140	6		50
Bis(2-chloroethoxy)methane	60		57		40-117	5		50
Hexachlorobutadiene	55		52		40-140	6		50
Hexachlorocyclopentadiene	44		40		40-140	10		50
Hexachloroethane	58		54		40-140	7		50
Isophorone	60		55		40-140	9		50
Naphthalene	58		55		40-140	5		50
Nitrobenzene	60		56		40-140	7		50
NDPA/DPA	60		57		36-157	5		50
n-Nitrosodi-n-propylamine	59		55		32-121	7		50
Bis(2-ethylhexyl)phthalate	63		60		40-140	5		50
Butyl benzyl phthalate	64		60		40-140	6		50
Di-n-butylphthalate	60		58		40-140	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2206515
Report Date: 02/23/22

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: WG1604303-2 WG1604303-3								
Di-n-octylphthalate	64		61		40-140	5		50
Diethyl phthalate	59		58		40-140	2		50
Dimethyl phthalate	60		57		40-140	5		50
Benzo(a)anthracene	57		56		40-140	2		50
Benzo(a)pyrene	61		59		40-140	3		50
Benzo(b)fluoranthene	58		58		40-140	0		50
Benzo(k)fluoranthene	61		58		40-140	5		50
Chrysene	60		58		40-140	3		50
Acenaphthylene	61		58		40-140	5		50
Anthracene	60		58		40-140	3		50
Benzo(ghi)perylene	57		56		40-140	2		50
Fluorene	58		58		40-140	0		50
Phenanthrene	59		58		40-140	2		50
Dibenzo(a,h)anthracene	57		54		40-140	5		50
Indeno(1,2,3-cd)pyrene	57		57		40-140	0		50
Pyrene	60		57		35-142	5		50
Biphenyl	59		56		37-127	5		50
4-Chloroaniline	62		61		40-140	2		50
2-Nitroaniline	66		63		47-134	5		50
3-Nitroaniline	50		49		26-129	2		50
4-Nitroaniline	60		60		41-125	0		50
Dibenzofuran	59		57		40-140	3		50
2-Methylnaphthalene	60		57		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2206515
Report Date: 02/23/22

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: WG1604303-2 WG1604303-3								
1,2,4,5-Tetrachlorobenzene	57		54		40-117	5		50
Acetophenone	63		59		14-144	7		50
2,4,6-Trichlorophenol	61		60		30-130	2		50
p-Chloro-m-cresol	64		63		26-103	2		50
2-Chlorophenol	62		60		25-102	3		50
2,4-Dichlorophenol	66		64		30-130	3		50
2,4-Dimethylphenol	64		62		30-130	3		50
2-Nitrophenol	64		61		30-130	5		50
4-Nitrophenol	69		68		11-114	1		50
2,4-Dinitrophenol	17		19		4-130	11		50
4,6-Dinitro-o-cresol	49		50		10-130	2		50
Pentachlorophenol	42		42		17-109	0		50
Phenol	65		63		26-90	3		50
2-Methylphenol	66		62		30-130.	6		50
3-Methylphenol/4-Methylphenol	69		67		30-130	3		50
2,4,5-Trichlorophenol	64		61		30-130	5		50
Carbazole	62		60		54-128	3		50
Atrazine	56		53		40-140	6		50
Benzaldehyde	59		56		40-140	5		50
Caprolactam	68		67		15-130	1		50
2,3,4,6-Tetrachlorophenol	55		53		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2206515

Report Date: 02/23/22

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: WG1604303-2 WG1604303-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		60		25-120
Phenol-d6	66		63		10-120
Nitrobenzene-d5	62		56		23-120
2-Fluorobiphenyl	60		56		30-120
2,4,6-Tribromophenol	56		54		10-136
4-Terphenyl-d14	59		54		18-120

PESTICIDES

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

SAMPLE RESULTS

Lab ID: L2206515-01
Client ID: SB-2022-07-220207
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 02/07/22 09:45
Date Received: 02/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/22/22 23:51
Analyst: EJL
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 02/20/22 10:27
Cleanup Method: EPA 3620B
Cleanup Date: 02/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.347	1	A
Lindane	ND		ug/kg	0.738	0.330	1	A
Alpha-BHC	ND		ug/kg	0.738	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.671	1	A
Heptachlor	ND		ug/kg	0.885	0.397	1	A
Aldrin	ND		ug/kg	1.77	0.623	1	A
Heptachlor epoxide	ND		ug/kg	3.32	0.996	1	A
Endrin	ND		ug/kg	0.738	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.774	1	A
Endrin ketone	ND		ug/kg	1.77	0.456	1	A
Dieldrin	ND		ug/kg	1.11	0.553	1	A
4,4'-DDE	ND		ug/kg	1.77	0.409	1	A
4,4'-DDD	ND		ug/kg	1.77	0.631	1	A
4,4'-DDT	ND		ug/kg	3.32	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.418	1	A
Endosulfan II	ND		ug/kg	1.77	0.592	1	A
Endosulfan sulfate	ND		ug/kg	0.738	0.351	1	A
Methoxychlor	ND		ug/kg	3.32	1.03	1	A
Toxaphene	ND		ug/kg	33.2	9.29	1	A
cis-Chlordane	ND		ug/kg	2.21	0.617	1	A
trans-Chlordane	ND		ug/kg	2.21	0.584	1	A
Chlordane	ND		ug/kg	14.8	5.86	1	A

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

SAMPLE RESULTS

Lab ID: L2206515-01 Date Collected: 02/07/22 09:45

Client ID: SB-2022-07-220207 Date Received: 02/08/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/22/22 23:20
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 02/20/22 10:27
Cleanup Method: EPA 3620B
Cleanup Date: 02/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1607017-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.639	0.286	A
Alpha-BHC	ND		ug/kg	0.639	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.767	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Heptachlor epoxide	ND		ug/kg	2.88	0.863	A
Endrin	ND		ug/kg	0.639	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.671	A
Endrin ketone	ND		ug/kg	1.53	0.395	A
Dieldrin	ND		ug/kg	0.958	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.355	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	2.88	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.639	0.304	A
Methoxychlor	ND		ug/kg	2.88	0.894	A
Toxaphene	ND		ug/kg	28.8	8.05	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A
trans-Chlordane	ND		ug/kg	1.92	0.506	A
Chlordane	ND		ug/kg	12.8	5.08	A

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2206515
Report Date: 02/23/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/22/22 23:20
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 02/20/22 10:27
Cleanup Method: EPA 3620B
Cleanup Date: 02/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1607017-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	89		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2206515
Report Date: 02/23/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1607017-2 WG1607017-3									
Delta-BHC	104		93		30-150	11		30	A
Lindane	96		86		30-150	11		30	A
Alpha-BHC	98		88		30-150	11		30	A
Beta-BHC	106		96		30-150	10		30	A
Heptachlor	94		84		30-150	11		30	A
Aldrin	96		83		30-150	15		30	A
Heptachlor epoxide	73		65		30-150	12		30	A
Endrin	95		84		30-150	12		30	A
Endrin aldehyde	82		69		30-150	17		30	A
Endrin ketone	96		82		30-150	16		30	A
Dieldrin	97		85		30-150	13		30	A
4,4'-DDE	93		81		30-150	14		30	A
4,4'-DDD	102		89		30-150	14		30	A
4,4'-DDT	94		79		30-150	17		30	A
Endosulfan I	84		74		30-150	13		30	A
Endosulfan II	91		79		30-150	14		30	A
Endosulfan sulfate	78		66		30-150	17		30	A
Methoxychlor	94		84		30-150	11		30	A
cis-Chlordane	80		71		30-150	12		30	A
trans-Chlordane	101		90		30-150	12		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2206515

Report Date: 02/23/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1607017-2 WG1607017-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		78		30-150	A
Decachlorobiphenyl	105		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		80		30-150	B
Decachlorobiphenyl	93		84		30-150	B

METALS

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

SAMPLE RESULTS

Lab ID: L2206515-01 Date Collected: 02/07/22 09:45

Client ID: SB-2022-07-220207 Date Received: 02/08/22

Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7190		mg/kg	8.88	2.40	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.44	0.337	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Arsenic, Total	2.70		mg/kg	0.888	0.185	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Barium, Total	60.3		mg/kg	0.888	0.154	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Beryllium, Total	0.311	J	mg/kg	0.444	0.029	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Cadmium, Total	0.231	J	mg/kg	0.888	0.087	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Calcium, Total	1300		mg/kg	8.88	3.11	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Chromium, Total	18.1		mg/kg	0.888	0.085	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Cobalt, Total	5.07		mg/kg	1.78	0.147	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Copper, Total	8.42		mg/kg	0.888	0.229	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Iron, Total	11400		mg/kg	4.44	0.801	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Lead, Total	43.6		mg/kg	4.44	0.238	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Magnesium, Total	1690		mg/kg	8.88	1.37	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Manganese, Total	240		mg/kg	0.888	0.141	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Mercury, Total	0.084		mg/kg	0.084	0.055	1	02/09/22 23:14	02/11/22 16:02	EPA 7471B	1,7471B	ZK
Nickel, Total	8.56		mg/kg	2.22	0.215	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Potassium, Total	319		mg/kg	222	12.8	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.78	0.229	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.888	0.251	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Sodium, Total	255		mg/kg	178	2.80	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.78	0.280	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Vanadium, Total	20.1		mg/kg	0.888	0.180	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL
Zinc, Total	30.6		mg/kg	4.44	0.260	2	02/09/22 22:45	02/13/22 15:01	EPA 3050B	1,6010D	DL

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

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 Batch: WG1603164-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Antimony, Total	ND		mg/kg	2.00	0.152	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Barium, Total	ND		mg/kg	0.400	0.070	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Calcium, Total	ND		mg/kg	4.00	1.40	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Chromium, Total	ND		mg/kg	0.400	0.038	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Copper, Total	ND		mg/kg	0.400	0.103	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Iron, Total	0.524	J	mg/kg	2.00	0.361	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Lead, Total	ND		mg/kg	2.00	0.107	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Magnesium, Total	0.688	J	mg/kg	4.00	0.616	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Manganese, Total	ND		mg/kg	0.400	0.064	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Nickel, Total	ND		mg/kg	1.00	0.097	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Potassium, Total	ND		mg/kg	100	5.76	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Selenium, Total	ND		mg/kg	0.800	0.103	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Silver, Total	ND		mg/kg	0.400	0.113	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Sodium, Total	4.78	J	mg/kg	80.0	1.26	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Thallium, Total	ND		mg/kg	0.800	0.126	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL
Zinc, Total	ND		mg/kg	2.00	0.117	1	02/09/22 22:45	02/13/22 14:34	1,6010D	DL

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 Batch: WG1603167-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	02/09/22 23:14	02/11/22 15:39	1,7471B	ZK

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2206515

Report Date: 02/23/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1603164-2 SRM Lot Number: D113-540								
Aluminum, Total	64		-		51-149	-		
Antimony, Total	146		-		20-250	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	92		-		75-125	-		
Beryllium, Total	95		-		75-125	-		
Cadmium, Total	98		-		75-125	-		
Calcium, Total	92		-		73-128	-		
Chromium, Total	93		-		70-130	-		
Cobalt, Total	97		-		75-125	-		
Copper, Total	93		-		75-125	-		
Iron, Total	90		-		36-164	-		
Lead, Total	99		-		72-128	-		
Magnesium, Total	82		-		63-138	-		
Manganese, Total	92		-		77-123	-		
Nickel, Total	95		-		70-130	-		
Potassium, Total	80		-		59-141	-		
Selenium, Total	98		-		66-134	-		
Silver, Total	101		-		70-131	-		
Sodium, Total	99		-		35-164	-		
Thallium, Total	99		-		70-130	-		
Vanadium, Total	93		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2206515

Report Date: 02/23/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1603164-2 SRM Lot Number: D113-540					
Zinc, Total	95	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1603167-2 SRM Lot Number: D113-540					
Mercury, Total	104	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2206515
Report Date: 02/23/22

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 QC Batch ID: WG1603164-3 WG1603164-4 QC Sample: L2206392-01 Client ID: MS Sample												
Aluminum, Total	12000	175	8120	**0**	Q	8980	**0**	Q	75-125	10		20
Antimony, Total	ND	43.7	31.7	**72**	Q	29.9	**69**	Q	75-125	6		20
Arsenic, Total	6.22	10.5	13.5	**69**	Q	13.2	**67**	Q	75-125	2		20
Barium, Total	83.9	175	199	**66**	Q	191	**62**	Q	75-125	4		20
Beryllium, Total	0.731	4.37	4.18	79		3.77	**70**	Q	75-125	10		20
Cadmium, Total	0.531J	4.63	4.20	91		3.80	82		75-125	10		20
Calcium, Total	19000	874	7230	**0**	Q	19800	92		75-125	**93**	Q	20
Chromium, Total	22.8	17.5	28.9	**35**	Q	30.2	**42**	Q	75-125	4		20
Cobalt, Total	13.5	43.7	43.1	**68**	Q	40.2	**61**	Q	75-125	7		20
Copper, Total	31.1	21.8	38.9	**36**	Q	39.4	**38**	Q	75-125	1		20
Iron, Total	26900	87.4	19700	**0**	Q	21100	**0**	Q	75-125	7		20
Lead, Total	11.4	46.3	45.3	**73**	Q	41.5	**65**	Q	75-125	9		20
Magnesium, Total	7220	874	5860	**0**	Q	7020	**0**	Q	75-125	18		20
Manganese, Total	564	43.7	431	**0**	Q	540	**0**	Q	75-125	**22**	Q	20
Nickel, Total	25.6	43.7	50.6	**57**	Q	48.4	**52**	Q	75-125	4		20
Potassium, Total	1160	874	1450	**33**	Q	1500	**39**	Q	75-125	3		20
Selenium, Total	ND	10.5	8.79	84		7.77	**74**	Q	75-125	12		20
Silver, Total	ND	26.2	23.4	89		21.7	83		75-125	8		20
Sodium, Total	823	874	1340	**59**	Q	1410	**68**	Q	75-125	5		20
Thallium, Total	ND	10.5	7.22	**69**	Q	6.26	**60**	Q	75-125	14		20
Vanadium, Total	33.4	43.7	64.4	**71**	Q	63.1	**68**	Q	75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2206515
Report Date: 02/23/22

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 QC Batch ID: WG1603164-3 WG1603164-4 QC Sample: L2206392-01 Client ID: MS Sample											
Zinc, Total	64.3	43.7	77.1	**29**	Q	75.9	**27**	Q	75-125	2	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1603167-3 WG1603167-4 QC Sample: L2206392-01 Client ID: MS Sample											
Mercury, Total	ND	0.153	0.147	96		0.147	103		80-120	0	20

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2206515
Report Date: 02/23/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1603164-6 QC Sample: L2206392-01 Client ID: DUP Sample						
Aluminum, Total	12000	15500	mg/kg	**29**	Q	20
Barium, Total	83.9	108	mg/kg	**29**	Q	20
Calcium, Total	19000	24500	mg/kg	**29**	Q	20
Chromium, Total	22.8	30.3	mg/kg	**33**	Q	20
Copper, Total	31.1	39.6	mg/kg	**27**	Q	20
Iron, Total	26900	36100	mg/kg	**34**	Q	20
Magnesium, Total	7220	9780	mg/kg	**35**	Q	20
Manganese, Total	564	749	mg/kg	**33**	Q	20
Vanadium, Total	33.4	43.8	mg/kg	**31**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2206515
Report Date: 02/23/22

SAMPLE RESULTS

Lab ID: L2206515-01
Client ID: SB-2022-07-220207
Sample Location: 8 COTTAGE GARDEN PLACE, YONKERS, NY

Date Collected: 02/07/22 09:45
Date Received: 02/08/22
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	86.4		%	0.100	NA	1	-	02/09/22 08:40	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.926	0.185	1	02/11/22 14:15	02/12/22 14:50	1,7196A	JT

Project Name: CPG PHASE 6 **Lab Number:** L2206515

Project Number: 21.1388 **Report Date:** 02/23/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1604360-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	02/11/22 14:15	02/12/22 14:50	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2206515

Report Date: 02/23/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1604360-2								
Chromium, Hexavalent	93		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2206515
Report Date: 02/23/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1604360-4 QC Sample: L2205187-05 Client ID: MS Sample												
Chromium, Hexavalent	ND	1150	1070	93		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CPG PHASE 6

Project Number: 21.1388

Lab Number: L2206515

Report Date: 02/23/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1602930-1 QC Sample: L2206392-01 Client ID: DUP Sample						
Solids, Total	90.1	89.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1604360-6 QC Sample: L2205187-05 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: CPG PHASE 6
Project Number: 21.1388

Lab Number: L2206515
Report Date: 02/23/22

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(*)
L2206515-01A	Vial MeOH preserved	A	NA		2.9	Y	Absent		HOLD-8260HLW(14)
L2206515-01B	Vial water preserved	A	NA		2.9	Y	Absent	09-FEB-22 00:13	HOLD-8260HLW(14)
L2206515-01C	Vial water preserved	A	NA		2.9	Y	Absent	09-FEB-22 00:13	HOLD-8260HLW(14)
L2206515-01D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2206515-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2206515-01F	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),HEXCR-7196(30),HOLD-8082(14)
L2206515-01G	Glass 250ml/8oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),HEXCR-7196(30),HOLD-8082(14)

*Values in parentheses indicate holding time in days

Project Name:	CPG PHASE 6	**Lab Number:**	L2206515
Project Number:	21.1388	**Report Date:**	02/23/22

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.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG PHASE 6	**Lab Number:**	L2206515
Project Number:	21.1388	**Report Date:**	02/23/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG PHASE 6	**Lab Number:**	L2206515
Project Number:	21.1388	**Report Date:**	02/23/22

Data Qualifiers

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	CPG PHASE 6	**Lab Number:**	L2206515
Project Number:	21.1388	**Report Date:**	02/23/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
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, SM4500NO2-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, SM9222D.**

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, EPA 537.1.

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 ANALYTICAL

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: 2/8/22

ALPHA Job #: L2206515

Client Information

Client: C.T. Male Associates
Address: 50 century Hill Dr. Latham, NY 12110
Phone: 518-786-7400
Fax:
Email:

Project Information

Project Name: CPG 6
Project Location: 8 Cottage Pl. Yonkers, NY
Project # 21.1388
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

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 send results to r.andujar-maneil@ctmale.com and to S.bieber@ctmale.com

Please specify Metals or TAL. * Please place VOC and PCBs analyses for all samples on hold *

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs +TICs	TCL SVOCs +TICs	TCL metals incl. Hg	TCL PCBs	Hex. Cr.				Sample Specific Comments	Total Bottle
06515-01	SB 2022-07-220207	2/7/22	09:45	Soil	ML	✓	✓	✓	✓	✓				HOLD PCBs + VOCs	7

ANALYSIS

Sample Filtration
☐ Done ☐ Lab to do
Preservation ☐ Lab to do
(Please Specify below)

Container Type	V/P	A	A	A	A			
Preservative	F/A	A	A	A	A			

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
	2/8/21 14:35		2/8/22 1440
	2/8/22 1550		2/8 1800
	2/8		
			2/8/22 2200

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)

ANALYTICAL REPORT

Lab Number:	L1810958
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Kirk Moline
Phone:	(518) 786-7400
Project Name:	CPG III A
Project Number:	15.5268
Report Date:	04/05/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1810958-01	SW-3A-004	SOIL	YONKERS, NY	03/29/18 13:30	03/29/18

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	CPG III A	**Lab Number:**	L1810958
Project Number:	15.5268	**Report Date:**	04/05/18

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.

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: 04/05/18

ORGANICS

VOLATILES

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1810958
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810958-01
Client ID: SW-3A-004
Sample Location: YONKERS, NY

Date Collected: 03/29/18 13:30
Date Received: 03/29/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/04/18 10:21
Analyst: JC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0025	0.00032	1
1,4-Dioxane	ND		mg/kg	0.033	0.012	1
1,2-Dibromoethane	ND		mg/kg	0.0025	0.00016	1
Methylene chloride	ND		mg/kg	0.0041	0.0014	1
1,1-Dichloroethane	ND		mg/kg	0.0012	0.00022	1
Chloroform	ND		mg/kg	0.0012	0.00030	1
Carbon tetrachloride	ND		mg/kg	0.00082	0.00028	1
1,2-Dichloropropane	ND		mg/kg	0.0029	0.00019	1
Dibromochloromethane	ND		mg/kg	0.00082	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0012	0.00026	1
Tetrachloroethene	ND		mg/kg	0.00082	0.00025	1
Chlorobenzene	ND		mg/kg	0.00082	0.00028	1
Trichlorofluoromethane	ND		mg/kg	0.0041	0.00034	1
1,2-Dichloroethane	ND		mg/kg	0.00082	0.00020	1
1,1,1-Trichloroethane	ND		mg/kg	0.00082	0.00029	1
Bromodichloromethane	ND		mg/kg	0.00082	0.00025	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00082	0.00017	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00082	0.00019	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00082	0.00017	1
Bromoform	ND		mg/kg	0.0033	0.00019	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00082	0.00024	1
Benzene	ND		mg/kg	0.00082	0.00016	1
Toluene	ND		mg/kg	0.0012	0.00016	1
Ethylbenzene	ND		mg/kg	0.00082	0.00014	1
Chloromethane	ND		mg/kg	0.0041	0.00036	1
Bromomethane	0.00053	J	mg/kg	0.0016	0.00028	1
Vinyl chloride	ND		mg/kg	0.0016	0.00026	1
Chloroethane	ND		mg/kg	0.0016	0.00026	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1810958
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810958-01
Client ID: SW-3A-004
Sample Location: YONKERS, NY
Date Collected: 03/29/18 13:30
Date Received: 03/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00082	0.00030	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00020	1
Trichloroethene	ND		mg/kg	0.00082	0.00025	1
1,2-Dichlorobenzene	ND		mg/kg	0.0041	0.00015	1
1,3-Dichlorobenzene	ND		mg/kg	0.0041	0.00018	1
1,4-Dichlorobenzene	ND		mg/kg	0.0041	0.00015	1
Methyl tert butyl ether	ND		mg/kg	0.0016	0.00012	1
p/m-Xylene	ND		mg/kg	0.0016	0.00029	1
o-Xylene	ND		mg/kg	0.0016	0.00028	1
Xylene (Total)	ND		mg/kg	0.0016	0.00028	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00082	0.00028	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00082	0.00020	1
Styrene	ND		mg/kg	0.0016	0.00033	1
Dichlorodifluoromethane	ND		mg/kg	0.0082	0.00041	1
Acetone	ND		mg/kg	0.030	0.0019	1
Carbon disulfide	ND		mg/kg	0.0082	0.00090	1
2-Butanone	ND		mg/kg	0.0082	0.00057	1
4-Methyl-2-pentanone	ND		mg/kg	0.0082	0.00020	1
2-Hexanone	ND		mg/kg	0.0082	0.00055	1
Bromochloromethane	ND		mg/kg	0.0041	0.00029	1
Isopropylbenzene	ND		mg/kg	0.00082	0.00016	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0041	0.00021	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0041	0.00018	1
Methyl Acetate	ND		mg/kg	0.0033	0.00038	1
Cyclohexane	ND		mg/kg	0.016	0.00036	1
Methyl cyclohexane	ND		mg/kg	0.0033	0.00020	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.016	0.00042	1

Tentatively Identified Compounds				
Total TIC Compounds	0.015	J	mg/kg	1
Unknown	0.009	J	mg/kg	1
Unknown	0.002	J	mg/kg	1
Unknown	0.003	J	mg/kg	1

Project Name: CPG III A
Lab Number: L1810958
Project Number: 15.5268
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810958-01
Client ID: SW-3A-004
Sample Location: YONKERS, NY

Date Collected: 03/29/18 13:30
Date Received: 03/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/18 09:28
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01 Batch: WG1103468-5					
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.00040
1,4-Dioxane	ND		mg/kg	0.040	0.014
1,2-Dibromoethane	ND		mg/kg	0.0030	0.00020
Methylene chloride	ND		mg/kg	0.0050	0.0016
1,1-Dichloroethane	ND		mg/kg	0.0015	0.00027
Chloroform	ND		mg/kg	0.0015	0.00037
Carbon tetrachloride	ND		mg/kg	0.0010	0.00034
1,2-Dichloropropane	ND		mg/kg	0.0035	0.00023
Dibromochloromethane	ND		mg/kg	0.0010	0.00018
1,1,2-Trichloroethane	ND		mg/kg	0.0015	0.00031
2-Chloroethylvinyl ether	ND		mg/kg	0.020	0.00062
Tetrachloroethene	ND		mg/kg	0.0010	0.00030
Chlorobenzene	ND		mg/kg	0.0010	0.00035
Trichlorofluoromethane	ND		mg/kg	0.0050	0.00042
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00025
1,1,1-Trichloroethane	ND		mg/kg	0.0010	0.00035
Bromodichloromethane	ND		mg/kg	0.0010	0.00031
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00021
cis-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00023
1,3-Dichloropropene, Total	ND		mg/kg	0.0010	0.00021
1,1-Dichloropropene	ND		mg/kg	0.0050	0.00033
Bromoform	ND		mg/kg	0.0040	0.00024
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0010	0.00030
Benzene	ND		mg/kg	0.0010	0.00019
Toluene	ND		mg/kg	0.0015	0.00020
Ethylbenzene	ND		mg/kg	0.0010	0.00017
Chloromethane	ND		mg/kg	0.0050	0.00044
Bromomethane	ND		mg/kg	0.0020	0.00034
Vinyl chloride	ND		mg/kg	0.0020	0.00032

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/18 09:28
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01 Batch: WG1103468-5					
Chloroethane	ND		mg/kg	0.0020	0.00032
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00037
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00024
Trichloroethene	ND		mg/kg	0.0010	0.00030
1,2-Dichlorobenzene	ND		mg/kg	0.0050	0.00018
1,3-Dichlorobenzene	ND		mg/kg	0.0050	0.00022
1,4-Dichlorobenzene	ND		mg/kg	0.0050	0.00018
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00015
p/m-Xylene	ND		mg/kg	0.0020	0.00035
o-Xylene	ND		mg/kg	0.0020	0.00034
Xylene (Total)	ND		mg/kg	0.0020	0.00034
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00034
1,2-Dichloroethene (total)	ND		mg/kg	0.0010	0.00024
Dibromomethane	ND		mg/kg	0.010	0.00024
1,4-Dichlorobutane	ND		mg/kg	0.010	0.00016
1,2,3-Trichloropropane	ND		mg/kg	0.010	0.00018
Styrene	ND		mg/kg	0.0020	0.00040
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00050
Acetone	ND		mg/kg	0.036	0.0023
Carbon disulfide	ND		mg/kg	0.010	0.0011
2-Butanone	ND		mg/kg	0.010	0.00069
Vinyl acetate	ND		mg/kg	0.010	0.00015
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.00024
2-Hexanone	ND		mg/kg	0.010	0.00067
Ethyl methacrylate	ND		mg/kg	0.010	0.00017
Acrolein	ND		mg/kg	0.025	0.0080
Acrylonitrile	ND		mg/kg	0.0040	0.00051
Bromochloromethane	ND		mg/kg	0.0050	0.00036
Tetrahydrofuran	ND		mg/kg	0.020	0.0010

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/18 09:28
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01 Batch: WG1103468-5					
2,2-Dichloropropane	ND		mg/kg	0.0050	0.00045
1,3-Dichloropropane	ND		mg/kg	0.0050	0.00018
1,1,1,2-Tetrachloroethane	ND		mg/kg	0.0010	0.00032
Bromobenzene	ND		mg/kg	0.0050	0.00022
n-Butylbenzene	ND		mg/kg	0.0010	0.00023
sec-Butylbenzene	ND		mg/kg	0.0010	0.00022
tert-Butylbenzene	ND		mg/kg	0.0050	0.00025
o-Chlorotoluene	ND		mg/kg	0.0050	0.00022
p-Chlorotoluene	ND		mg/kg	0.0050	0.00018
Hexachlorobutadiene	ND		mg/kg	0.0050	0.00035
Isopropylbenzene	ND		mg/kg	0.0010	0.00019
p-Isopropyltoluene	ND		mg/kg	0.0010	0.00020
Naphthalene	ND		mg/kg	0.0050	0.00014
n-Propylbenzene	ND		mg/kg	0.0010	0.00022
1,2,3-Trichlorobenzene	ND		mg/kg	0.0050	0.00025
1,2,4-Trichlorobenzene	ND		mg/kg	0.0050	0.00022
1,3,5-Trimethylbenzene	ND		mg/kg	0.0050	0.00016
1,2,4-Trimethylbenzene	ND		mg/kg	0.0050	0.00019
trans-1,4-Dichloro-2-butene	ND		mg/kg	0.0050	0.00039
Ethyl ether	ND		mg/kg	0.0050	0.00026
Methyl Acetate	ND		mg/kg	0.0040	0.00046
Ethyl Acetate	ND		mg/kg	0.020	0.0020
Isopropyl Ether	ND		mg/kg	0.0040	0.00028
Cyclohexane	ND		mg/kg	0.020	0.00043
tert-Butyl Alcohol	ND		mg/kg	0.10	0.0029
Ethyl-Tert-Butyl-Ether	ND		mg/kg	0.0040	0.00018
Tertiary-Amyl Methyl Ether	ND		mg/kg	0.0040	0.00023
Methyl cyclohexane	0.00034	J	mg/kg	0.0040	0.00024
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.020	0.00051

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/18 09:28
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01 Batch: WG1103468-5					
1,2,4,5-Tetramethylbenzene	ND		mg/kg	0.0040	0.00016
1,4-Diethylbenzene	ND		mg/kg	0.0040	0.0040
4-Ethyltoluene	ND		mg/kg	0.0040	0.00023
Tentatively Identified Compounds					
Total TIC Compounds	0.005	J	mg/kg		
Unknown	0.005	J	mg/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01 Batch: WG1103468-3 WG1103468-4								
1,2-Dibromo-3-chloropropane	102		100		40-160	2		30
1,4-Dioxane	102		103		40-160	1		30
1,2-Dibromoethane	108		106		70-130	2		30
Methylene chloride	78		77		70-130	1		30
1,1-Dichloroethane	107		107		70-130	0		30
Chloroform	101		99		70-130	2		30
Carbon tetrachloride	103		101		70-130	2		30
1,2-Dichloropropane	108		107		70-130	1		30
Dibromochloromethane	101		99		70-130	2		30
1,1,2-Trichloroethane	107		108		70-130	1		30
2-Chloroethylvinyl ether	100		97		40-160	3		30
Tetrachloroethene	105		102		70-130	3		30
Chlorobenzene	102		101		70-130	1		30
Trichlorofluoromethane	132		130		40-160	2		30
1,2-Dichloroethane	102		101		70-130	1		30
1,1,1-Trichloroethane	103		103		70-130	0		30
Bromodichloromethane	104		104		70-130	0		30
trans-1,3-Dichloropropene	104		103		70-130	1		30
cis-1,3-Dichloropropene	104		104		40-160	0		30
1,1-Dichloropropene	110		109		70-130	1		30
Bromoform	100		100		40-160	0		30
1,1,2,2-Tetrachloroethane	107		107		40-160	0		30
Benzene	104		103		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01 Batch: WG1103468-3 WG1103468-4								
Toluene	98		96		70-130	2		30
Ethylbenzene	102		100		70-130	2		30
Chloromethane	99		97		40-160	2		30
Bromomethane	157		158		40-160	1		30
Vinyl chloride	124		123		70-130	1		30
Chloroethane	119		117		40-160	2		30
1,1-Dichloroethene	108		107		70-130	1		30
trans-1,2-Dichloroethene	105		105		70-130	0		30
Trichloroethene	105		104		70-130	1		30
1,2-Dichlorobenzene	100		99		70-130	1		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	100		98		70-130	2		30
Methyl tert butyl ether	104		104		70-130	0		30
p/m-Xylene	101		99		70-130	2		30
o-Xylene	101		100		70-130	1		30
cis-1,2-Dichloroethene	106		104		70-130	2		30
Dibromomethane	106		107		70-130	1		30
1,4-Dichlorobutane	101		102		70-130	1		30
1,2,3-Trichloropropane	107		106		70-130	1		30
Styrene	98		97		40-160	1		30
Dichlorodifluoromethane	104		103		40-160	1		30
Acetone	123		122		40-160	1		30
Carbon disulfide	97		95		40-160	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01 Batch: WG1103468-3 WG1103468-4								
2-Butanone	90		99		40-160	10		30
Vinyl acetate	107		106		70-130	1		30
4-Methyl-2-pentanone	107		105		40-160	2		30
2-Hexanone	93		92		40-160	1		30
Ethyl methacrylate	105		102		70-130	3		30
Acrylonitrile	100		101		70-130	1		30
Bromochloromethane	103		103		70-130	0		30
Tetrahydrofuran	97		95		70-130	2		30
2,2-Dichloropropane	100		99		40-160	1		30
1,3-Dichloropropane	109		106		70-130	3		30
1,1,1,2-Tetrachloroethane	101		99		70-130	2		30
Bromobenzene	102		100		70-130	2		30
n-Butylbenzene	103		100		70-130	3		30
sec-Butylbenzene	104		102		70-130	2		30
tert-Butylbenzene	102		100		70-130	2		30
o-Chlorotoluene	100		99		70-130	1		30
p-Chlorotoluene	99		99		70-130	0		30
Hexachlorobutadiene	103		100		70-130	3		30
Isopropylbenzene	103		101		70-130	2		30
p-Isopropyltoluene	101		99		70-130	2		30
Naphthalene	99		99		40-160	0		30
n-Propylbenzene	104		102		70-130	2		30
1,2,3-Trichlorobenzene	101		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1810958

Report Date: 04/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01 Batch: WG1103468-3 WG1103468-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		30
1,3,5-Trimethylbenzene	99		98		70-130	1		30
1,2,4-Trimethylbenzene	98		98		70-130	0		30
trans-1,4-Dichloro-2-butene	105		106		70-130	1		30
Ethyl ether	119		118		70-130	1		30
Methyl Acetate	82		83		70-130	1		30
Ethyl Acetate	106		106		70-130	0		30
Isopropyl Ether	102		102		70-130	0		30
Cyclohexane	111		110		70-130	1		30
tert-Butyl Alcohol	100		99		40-160	1		30
Ethyl-Tert-Butyl-Ether	102		103		70-130	1		30
Tertiary-Amyl Methyl Ether	103		103		70-130	0		30
Methyl cyclohexane	117		116		70-130	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	116		114		70-130	2		30
1,2,4,5-Tetramethylbenzene	96		95		70-130	1		30
1,4-Diethylbenzene	99		98		70-130	1		30
4-Ethyltoluene	101		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1810958

Report Date: 04/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01 Batch: WG1103468-3 WG1103468-4

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1810958
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810958-01
Client ID: SW-3A-004
Sample Location: YONKERS, NY

Date Collected: 03/29/18 13:30
Date Received: 03/29/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/04/18 23:38
Analyst: SZ
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/31/18 08:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	0.027	J	mg/kg	0.15	0.016	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.018	1
Hexachlorobenzene	ND		mg/kg	0.056	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.069	0.023	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.15	0.049	1
2,4-Dinitrotoluene	ND		mg/kg	0.096	0.032	1
2,6-Dinitrotoluene	ND		mg/kg	0.076	0.025	1
Fluoranthene	0.96		mg/kg	0.12	0.022	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.19	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.23	0.022	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.21	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.072	0.024	1
Hexachlorocyclopentadiene	ND		mg/kg	0.55	0.12	1
Hexachloroethane	ND		mg/kg	0.094	0.031	1
Isophorone	ND		mg/kg	0.065	0.022	1
Naphthalene	0.033	J	mg/kg	0.19	0.024	1
Nitrobenzene	ND		mg/kg	0.086	0.028	1
NDPA/DPA	ND		mg/kg	0.047	0.016	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.049	0.016	1
Bis(2-ethylhexyl)phthalate	0.048	J	mg/kg	0.19	0.020	1
Butyl benzyl phthalate	ND		mg/kg	0.19	0.026	1
Di-n-butylphthalate	ND		mg/kg	0.19	0.017	1
Di-n-octylphthalate	ND		mg/kg	0.19	0.060	1
Diethyl phthalate	ND		mg/kg	0.19	0.017	1
Dimethyl phthalate	ND		mg/kg	0.19	0.018	1
Benzo(a)anthracene	0.53		mg/kg	0.065	0.022	1
Benzo(a)pyrene	0.49		mg/kg	0.14	0.047	1
Benzo(b)fluoranthene	0.62		mg/kg	0.049	0.016	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1810958
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810958-01
Client ID: SW-3A-004
Sample Location: YONKERS, NY
Date Collected: 03/29/18 13:30
Date Received: 03/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	0.20		mg/kg	0.040	0.014	1
Chrysene	0.51		mg/kg	0.12	0.020	1
Acenaphthylene	0.10	J	mg/kg	0.15	0.022	1
Anthracene	0.13		mg/kg	0.12	0.017	1
Benzo(ghi)perylene	0.30		mg/kg	0.15	0.023	1
Fluorene	0.026	J	mg/kg	0.19	0.018	1
Phenanthrene	0.43		mg/kg	0.12	0.014	1
Dibenzo(a,h)anthracene	0.072		mg/kg	0.067	0.022	1
Indeno(1,2,3-cd)pyrene	0.33		mg/kg	0.081	0.027	1
Pyrene	0.92		mg/kg	0.12	0.017	1
4-Chloroaniline	ND		mg/kg	0.19	0.022	1
2-Nitroaniline	ND		mg/kg	0.19	0.035	1
3-Nitroaniline	ND		mg/kg	0.19	0.036	1
4-Nitroaniline	ND		mg/kg	0.19	0.080	1
Dibenzofuran	0.022	J	mg/kg	0.19	0.017	1
2-Methylnaphthalene	ND		mg/kg	0.23	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.11	0.036	1
p-Chloro-m-cresol	ND		mg/kg	0.19	0.029	1
2-Chlorophenol	ND		mg/kg	0.064	0.021	1
2,4-Dichlorophenol	ND		mg/kg	0.093	0.031	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.061	1
2-Nitrophenol	ND		mg/kg	0.42	0.032	1
2,4-Dinitrophenol	ND		mg/kg	0.28	0.090	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.28	0.093	1
Pentachlorophenol	ND		mg/kg	0.13	0.042	1
Phenol	ND		mg/kg	0.19	0.023	1
2-Methylphenol	ND		mg/kg	0.19	0.030	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.28	0.028	1
2,4,5-Trichlorophenol	ND		mg/kg	0.19	0.037	1
Carbazole	0.051	J	mg/kg	0.19	0.012	1
4-Nitrophenol	ND		mg/kg	0.27	0.054	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.19	0.021	1
Benzaldehyde	0.040	J	mg/kg	0.25	0.030	1
Caprolactam	ND		mg/kg	0.19	0.041	1
Acetophenone	ND		mg/kg	0.19	0.020	1
Biphenyl	ND		mg/kg	0.44	0.045	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.19	0.020	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1810958
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810958-01
Client ID: SW-3A-004
Sample Location: YONKERS, NY
Date Collected: 03/29/18 13:30
Date Received: 03/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.068	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.19	0.039	1
Tentatively Identified Compounds						
Total TIC Compounds	0.366	J	mg/kg			1
Unknown PAH	0.366	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		30-130
Phenol-d6	79		30-130
Nitrobenzene-d5	72		30-130
2-Fluorobiphenyl	80		30-130
2,4,6-Tribromophenol	89		30-130
4-Terphenyl-d14	69		30-130

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/18 13:09
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 03/31/18 08:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1102319-1					
Acenaphthene	ND		mg/kg	0.13	0.014
2-Chloronaphthalene	ND		mg/kg	0.16	0.016
Hexachlorobenzene	ND		mg/kg	0.047	0.016
Bis(2-chloroethyl)ether	ND		mg/kg	0.059	0.020
3,3'-Dichlorobenzidine	ND		mg/kg	0.12	0.042
2,4-Dinitrotoluene	ND		mg/kg	0.081	0.027
2,6-Dinitrotoluene	ND		mg/kg	0.065	0.022
Fluoranthene	ND		mg/kg	0.098	0.019
4-Chlorophenyl phenyl ether	ND		mg/kg	0.16	0.014
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.20	0.019
Bis(2-chloroethoxy)methane	ND		mg/kg	0.18	0.016
Hexachlorobutadiene	ND		mg/kg	0.061	0.020
Hexachlorocyclopentadiene	ND		mg/kg	0.47	0.10
Hexachloroethane	ND		mg/kg	0.079	0.026
Isophorone	ND		mg/kg	0.055	0.018
Naphthalene	ND		mg/kg	0.16	0.020
Nitrobenzene	ND		mg/kg	0.072	0.024
NDPA/DPA	ND		mg/kg	0.040	0.013
n-Nitrosodi-n-propylamine	ND		mg/kg	0.041	0.014
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.16	0.017
Butyl benzyl phthalate	ND		mg/kg	0.16	0.022
Di-n-butylphthalate	ND		mg/kg	0.16	0.014
Di-n-octylphthalate	ND		mg/kg	0.16	0.051
Diethyl phthalate	ND		mg/kg	0.16	0.015
Dimethyl phthalate	ND		mg/kg	0.16	0.016
Benzo(a)anthracene	ND		mg/kg	0.055	0.018
Benzo(a)pyrene	ND		mg/kg	0.12	0.040
Benzo(b)fluoranthene	ND		mg/kg	0.041	0.014
Benzo(k)fluoranthene	ND		mg/kg	0.034	0.011

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/18 13:09
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 03/31/18 08:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1102319-1					
Chrysene	ND		mg/kg	0.098	0.017
Acenaphthylene	ND		mg/kg	0.13	0.018
Anthracene	ND		mg/kg	0.098	0.014
Benzo(ghi)perylene	ND		mg/kg	0.13	0.019
Fluorene	ND		mg/kg	0.16	0.016
Phenanthrene	ND		mg/kg	0.098	0.012
Dibenzo(a,h)anthracene	ND		mg/kg	0.057	0.019
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.068	0.023
Pyrene	ND		mg/kg	0.098	0.014
4-Chloroaniline	ND		mg/kg	0.16	0.019
2-Nitroaniline	ND		mg/kg	0.16	0.030
3-Nitroaniline	ND		mg/kg	0.16	0.031
4-Nitroaniline	ND		mg/kg	0.16	0.068
Dibenzofuran	ND		mg/kg	0.16	0.014
2-Methylnaphthalene	ND		mg/kg	0.20	0.017
2,4,6-Trichlorophenol	ND		mg/kg	0.093	0.031
p-Chloro-m-cresol	ND		mg/kg	0.16	0.024
2-Chlorophenol	ND		mg/kg	0.054	0.018
2,4-Dichlorophenol	ND		mg/kg	0.078	0.026
2,4-Dimethylphenol	ND		mg/kg	0.16	0.052
2-Nitrophenol	ND		mg/kg	0.35	0.027
2,4-Dinitrophenol	ND		mg/kg	0.23	0.076
4,6-Dinitro-o-cresol	ND		mg/kg	0.23	0.078
Pentachlorophenol	ND		mg/kg	0.11	0.036
Phenol	ND		mg/kg	0.16	0.019
2-Methylphenol	ND		mg/kg	0.16	0.025
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.23	0.024
2,4,5-Trichlorophenol	ND		mg/kg	0.16	0.031
Carbazole	ND		mg/kg	0.16	0.010

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/18 13:09
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 03/31/18 08:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1102319-1					
4-Nitrophenol	ND		mg/kg	0.23	0.045
4-Bromophenyl phenyl ether	ND		mg/kg	0.16	0.018
Benzaldehyde	ND		mg/kg	0.22	0.025
Caprolactam	ND		mg/kg	0.16	0.035
Acetophenone	ND		mg/kg	0.16	0.017
Biphenyl	ND		mg/kg	0.37	0.038
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.16	0.017
Atrazine	ND		mg/kg	0.13	0.057
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.16	0.033
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		mg/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		30-130
Phenol-d6	84		30-130
Nitrobenzene-d5	84		30-130
2-Fluorobiphenyl	84		30-130
2,4,6-Tribromophenol	84		30-130
4-Terphenyl-d14	92		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

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: WG1102319-2 WG1102319-3								
Acenaphthene	77		79		70-130	3		30
2-Chloronaphthalene	77		79		70-130	3		30
Hexachlorobenzene	80		83		70-130	4		30
Bis(2-chloroethyl)ether	73		75		70-130	3		30
3,3'-Dichlorobenzidine	**51**	Q	**52**	Q	70-130	2		30
2,4-Dinitrotoluene	97		100		70-130	3		30
2,6-Dinitrotoluene	90		95		70-130	5		30
Fluoranthene	85		87		70-130	2		30
4-Chlorophenyl phenyl ether	80		82		70-130	2		30
Bis(2-chloroisopropyl)ether	71		72		70-130	1		30
Bis(2-chloroethoxy)methane	74		77		70-130	4		30
Hexachlorobutadiene	76		76		70-130	0		30
Hexachlorocyclopentadiene	87		89		20-160	2		30
Hexachloroethane	74		75		20-160	1		30
Isophorone	76		79		70-130	4		30
Naphthalene	75		78		70-130	4		30
Nitrobenzene	79		82		70-130	4		30
NDPA/DPA	84		85		70-130	1		30
n-Nitrosodi-n-propylamine	74		78		70-130	5		30
Bis(2-ethylhexyl)phthalate	88		88		70-130	0		30
Butyl benzyl phthalate	94		95		70-130	1		30
Di-n-butylphthalate	88		89		70-130	1		30
Di-n-octylphthalate	88		90		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

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: WG1102319-2 WG1102319-3								
Diethyl phthalate	84		85		70-130	1		30
Dimethyl phthalate	82		85		70-130	4		30
Benzo(a)anthracene	82		82		70-130	0		30
Benzo(a)pyrene	88		89		70-130	1		30
Benzo(b)fluoranthene	85		88		70-130	3		30
Benzo(k)fluoranthene	87		84		70-130	4		30
Chrysene	80		81		70-130	1		30
Acenaphthylene	83		86		70-130	4		30
Anthracene	83		84		70-130	1		30
Benzo(ghi)perylene	85		85		70-130	0		30
Fluorene	82		85		70-130	4		30
Phenanthrene	79		80		70-130	1		30
Dibenzo(a,h)anthracene	87		85		70-130	2		30
Indeno(1,2,3-cd)pyrene	91		92		70-130	1		30
Pyrene	82		84		70-130	2		30
4-Chloroaniline	74		76		20-160	3		30
2-Nitroaniline	92		94		70-130	2		30
3-Nitroaniline	**53**	Q	**58**	Q	70-130	9		30
4-Nitroaniline	80		83		70-130	4		30
Dibenzofuran	79		82		70-130	4		30
2-Methylnaphthalene	77		80		70-130	4		30
2,4,6-Trichlorophenol	89		90		70-130	1		30
p-Chloro-m-cresol	89		92		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

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: WG1102319-2 WG1102319-3								
2-Chlorophenol	79		80		70-130	1		30
2,4-Dichlorophenol	82		87		70-130	6		30
2,4-Dimethylphenol	83		86		70-130	4		30
2-Nitrophenol	88		92		70-130	4		30
2,4-Dinitrophenol	71		74		20-160	4		30
4,6-Dinitro-o-cresol	96		98		70-130	2		30
Pentachlorophenol	72		75		20-160	4		30
Phenol	79		84		20-160	6		30
2-Methylphenol	79		83		70-130	5		30
3-Methylphenol/4-Methylphenol	83		86		20-160	4		30
2,4,5-Trichlorophenol	88		91		70-130	3		30
Carbazole	84		84		70-130	0		30
4-Nitrophenol	110		112		20-160	2		30
4-Bromophenyl phenyl ether	80		82		70-130	2		30
Benzaldehyde	62		65		20-160	5		30
Caprolactam	86		91		20-160	6		30
Acetophenone	78		80		70-130	3		30
Biphenyl	80		83		70-130	4		30
1,2,4,5-Tetrachlorobenzene	79		82		70-130	4		30
Atrazine	91		94		70-130	3		30
2,3,4,6-Tetrachlorophenol	88		92		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

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: WG1102319-2 WG1102319-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		83		30-130
Phenol-d6	81		84		30-130
Nitrobenzene-d5	82		85		30-130
2-Fluorobiphenyl	83		86		30-130
2,4,6-Tribromophenol	91		93		30-130
4-Terphenyl-d14	90		92		30-130

METALS

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1810958
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810958-01
Client ID: SW-3A-004
Sample Location: YONKERS, NY
Date Collected: 03/29/18 13:30
Date Received: 03/29/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8810		mg/kg	8.90	2.40	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Antimony, Total	0.979	J	mg/kg	4.45	0.338	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Arsenic, Total	2.13		mg/kg	0.890	0.185	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Barium, Total	59.2		mg/kg	0.890	0.155	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Beryllium, Total	0.205	J	mg/kg	0.445	0.029	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Cadmium, Total	0.747	J	mg/kg	0.890	0.087	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Calcium, Total	1440		mg/kg	8.90	3.11	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Chromium, Total	18.5		mg/kg	0.890	0.085	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Cobalt, Total	6.43		mg/kg	1.78	0.148	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Copper, Total	20.0		mg/kg	0.890	0.230	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Iron, Total	13900		mg/kg	4.45	0.803	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Lead, Total	135		mg/kg	4.45	0.238	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Magnesium, Total	2580		mg/kg	8.90	1.37	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Manganese, Total	301		mg/kg	0.890	0.141	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Mercury, Total	0.348		mg/kg	0.074	0.016	1	03/30/18 08:30	03/30/18 23:07	EPA 7471B	1,7471B	EA
Nickel, Total	14.8		mg/kg	2.22	0.215	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Potassium, Total	387		mg/kg	222	12.8	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Selenium, Total	0.792	J	mg/kg	1.78	0.230	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.890	0.252	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Sodium, Total	94.7	J	mg/kg	178	2.80	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.78	0.280	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Vanadium, Total	21.9		mg/kg	0.890	0.181	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS
Zinc, Total	92.6		mg/kg	4.45	0.261	2	04/02/18 19:10	04/03/18 20:10	EPA 3050B	1,6010C	PS

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1810958
Report Date: 04/05/18

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 Batch: WG1101932-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	03/30/18 08:30	03/30/18 22:34	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1102762-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Antimony, Total	ND		mg/kg	2.00	0.152	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Arsenic, Total	ND		mg/kg	0.400	0.083	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Barium, Total	ND		mg/kg	0.400	0.070	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.200	0.013	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	0.039	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Calcium, Total	ND		mg/kg	4.00	1.40	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Chromium, Total	ND		mg/kg	0.400	0.038	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Cobalt, Total	ND		mg/kg	0.800	0.066	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Copper, Total	ND		mg/kg	0.400	0.103	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Iron, Total	ND		mg/kg	2.00	0.361	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Lead, Total	0.176	J	mg/kg	2.00	0.107	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Magnesium, Total	ND		mg/kg	4.00	0.616	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Manganese, Total	ND		mg/kg	0.400	0.064	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Nickel, Total	ND		mg/kg	1.00	0.097	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Potassium, Total	ND		mg/kg	100	5.76	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Selenium, Total	ND		mg/kg	0.800	0.103	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Silver, Total	ND		mg/kg	0.400	0.113	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Sodium, Total	1.53	J	mg/kg	80.0	1.26	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Thallium, Total	ND		mg/kg	0.800	0.126	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Vanadium, Total	ND		mg/kg	0.400	0.081	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS
Zinc, Total	ND		mg/kg	2.00	0.117	1	04/02/18 19:10	04/03/18 13:28	1,6010C	PS

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1810958

Report Date: 04/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1101932-2 SRM Lot Number: D098-540								
Mercury, Total	107		-		50-149	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1810958

Report Date: 04/05/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1102762-2 SRM Lot Number: D098-540					
Aluminum, Total	72	-	47-153	-	
Antimony, Total	154	-	6-194	-	
Arsenic, Total	96	-	83-117	-	
Barium, Total	88	-	82-118	-	
Beryllium, Total	94	-	83-117	-	
Cadmium, Total	97	-	82-117	-	
Calcium, Total	92	-	81-118	-	
Chromium, Total	91	-	83-119	-	
Cobalt, Total	97	-	84-116	-	
Copper, Total	93	-	84-116	-	
Iron, Total	91	-	60-140	-	
Lead, Total	91	-	82-117	-	
Magnesium, Total	84	-	76-124	-	
Manganese, Total	97	-	82-118	-	
Nickel, Total	96	-	82-117	-	
Potassium, Total	83	-	69-131	-	
Selenium, Total	95	-	78-121	-	
Silver, Total	95	-	80-120	-	
Sodium, Total	92	-	74-126	-	
Thallium, Total	96	-	80-119	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1810958

Report Date: 04/05/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1102762-2 SRM Lot Number: D098-540					
Zinc, Total	93	-	81-119	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

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 QC Batch ID: WG1101932-3 QC Sample: L1810776-01 Client ID: MS Sample												
Mercury, Total	0.166	0.144	0.361	**135**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

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 QC Batch ID: WG1102762-3 QC Sample: L1810949-01 Client ID: MS Sample										
Aluminum, Total	3870	197	4780	**461**	Q	-	-	75-125	-	20
Antimony, Total	0.690J	49.3	44.6	90		-	-	75-125	-	20
Arsenic, Total	3.94	11.8	16.3	104		-	-	75-125	-	20
Barium, Total	9.71	197	199	96		-	-	75-125	-	20
Beryllium, Total	0.185J	4.93	4.93	100		-	-	75-125	-	20
Cadmium, Total	0.486J	5.03	5.49	109		-	-	75-125	-	20
Calcium, Total	662.	986	1660	101		-	-	75-125	-	20
Chromium, Total	9.87	19.7	29.6	100		-	-	75-125	-	20
Cobalt, Total	3.86	49.3	49.0	92		-	-	75-125	-	20
Copper, Total	3.91	24.6	27.6	96		-	-	75-125	-	20
Iron, Total	10800	98.6	12100	**1320**	Q	-	-	75-125	-	20
Lead, Total	8.20	50.3	56.2	95		-	-	75-125	-	20
Magnesium, Total	3130	986	4610	**150**	Q	-	-	75-125	-	20
Manganese, Total	94.1	49.3	150	113		-	-	75-125	-	20
Nickel, Total	19.2	49.3	67.5	98		-	-	75-125	-	20
Potassium, Total	792.	986	1890	111		-	-	75-125	-	20
Selenium, Total	0.457J	11.8	12.2	103		-	-	75-125	-	20
Silver, Total	ND	29.6	28.9	98		-	-	75-125	-	20
Sodium, Total	352.	986	1350	101		-	-	75-125	-	20
Thallium, Total	ND	11.8	10.6	90		-	-	75-125	-	20
Vanadium, Total	10.2	49.3	60.0	101		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

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 QC Batch ID: WG1102762-3 QC Sample: L1810949-01 Client ID: MS Sample									
Zinc, Total	24.0	49.3	74.9	103	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1101932-4 QC Sample: L1810776-01 Client ID: DUP Sample						
Mercury, Total	0.166	0.461	mg/kg	**94**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1102762-4 QC Sample: L1810949-01 Client ID: DUP Sample						
Aluminum, Total	3870	3970	mg/kg	3		20
Antimony, Total	0.690J	0.399J	mg/kg	NC		20
Arsenic, Total	3.94	3.78	mg/kg	4		20
Barium, Total	9.71	8.41	mg/kg	14		20
Beryllium, Total	0.185J	0.200J	mg/kg	NC		20
Cadmium, Total	0.486J	0.479J	mg/kg	NC		20
Calcium, Total	662.	614	mg/kg	8		20
Chromium, Total	9.87	9.58	mg/kg	3		20
Cobalt, Total	3.86	4.01	mg/kg	4		20
Copper, Total	3.91	3.31	mg/kg	17		20
Iron, Total	10800	10700	mg/kg	1		20
Lead, Total	8.20	5.17	mg/kg	**45**	Q	20
Magnesium, Total	3130	3570	mg/kg	13		20
Manganese, Total	94.1	95.9	mg/kg	2		20
Nickel, Total	19.2	22.6	mg/kg	16		20
Potassium, Total	792.	780	mg/kg	2		20
Selenium, Total	0.457J	0.379J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	352.	347	mg/kg	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1102762-4 QC Sample: L1810949-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	10.2	9.97	mg/kg	2	20
Zinc, Total	24.0	22.6	mg/kg	6	20

INORGANICS
&
MISCELLANEOUS

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810958-01
Client ID: SW-3A-004
Sample Location: YONKERS, NY

Date Collected: 03/29/18 13:30
Date Received: 03/29/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	ND		mg/kg	0.93	0.19	1	04/02/18 17:50	04/03/18 08:53	1,7196A	NH
pH	7.5		SU	-	NA	1	-	04/02/18 19:46	1,9045D	AS
Oxidation/Reduction Potential	150		mv	-	NA	1	-	04/02/18 19:46	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	03/30/18 11:37	121,2540G	RI

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1810958
Report Date: 04/05/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab for sample(s): 01 Batch: WG1102515-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	04/02/18 17:50	04/03/18 08:47	1,7196A	NH

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1810958

Report Date: 04/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01		Batch: WG1102515-2					
Chromium, Hexavalent	91		-		80-120	-		20
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01		Batch: WG1102767-1					
pH	100		-		99-101	-		
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01		Batch: WG1102769-1					
Oxidation/Reduction Potential	99		-		90-110	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1102515-4 QC Sample: L1810958-01 Client ID: SW-3A-004												
Chromium, Hexavalent	ND	1210	1200	99		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1102052-1 QC Sample: L1810952-01 Client ID: DUP Sample						
Solids, Total	88.4	88.2	%	0		20
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1102515-6 QC Sample: L1810958-01 Client ID: SW-3A-004						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1102767-2 QC Sample: L1810958-01 Client ID: SW-3A-004						
pH	7.5	7.4	SU	1		5
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1102769-2 QC Sample: L1810958-01 Client ID: SW-3A-004						
Oxidation/Reduction Potential	150	160	mv	6		20

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1810958
Report Date: 04/05/18

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(*)
L1810958-01A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NJ-8260HLW(14)
L1810958-01B	Vial water preserved	A	NA		2.6	Y	Absent	30-MAR-18 05:09	NJ-8260HLW(14)
L1810958-01C	Vial water preserved	A	NA		2.6	Y	Absent	30-MAR-18 05:09	NJ-8260HLW(14)
L1810958-01D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1810958-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	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)
L1810958-01F	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1810958-01G	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)

*Values in parentheses indicate holding time in days

Project Name:	CPG III A	**Lab Number:**	L1810958
Project Number:	15.5268	**Report Date:**	04/05/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
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.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG III A	**Lab Number:**	L1810958
Project Number:	15.5268	**Report Date:**	04/05/18

Data Qualifiers

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.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. 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).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG III A	**Lab Number:**	L1810958
Project Number:	15.5268	**Report Date:**	04/05/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

68 Annual Book of ASTM (American Society for Testing and Materials) Standards following extraction by SW-846 EPA Method 9045C under the requirements of MADEP BWSC, WSC-CAM-VIB. August 2004.

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: 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 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; 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, SM4500CI-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**, EPA 351.1, 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 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, 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, Pb, Mn, Ni, Se, Ag, 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 ANALYTICAL

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: 3/29/18

ALPHA Job #: L1810458

Client Information

Client: CT Male
Address: 50 Century Hill Dr.
Latham, NY
Phone: (518) 786-7400
Fax: (518) 786-7299
Email: K.Moline@ctmale.com

Project Information

Project Name: CP611A
Project Location: Yonkers, NY
Project #: 15-5268
(Use Project name as Project #) ☐
Project Manager: Kirk Moline
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

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.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TCL SVOC	TAL Metals	HEXCR	Total Hg Metals				Total # Bottles
1045801	SW-3A-004	3/29	1330	Soil	KD	4	X	X	X	X				7

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Container Type	V	A	A	A	A				
Preservative	F	A	A	A	A				

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
	3-29-18 / 1815	Daniel Fischer AAL	3/29/18 15:15
Daniel Fischer AAL	3/29/18 16:57		3/29/18 1840
			3/29/18 2300

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)

ANALYTICAL REPORT

Lab Number:	L1817959
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Kirk Moline
Phone:	(518) 786-7400
Project Name:	CPG III A
Project Number:	15.5268
Report Date:	05/23/18

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

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1817959-01	FS-3A-015 (A5)	SOIL	YONKERS, NY	05/16/18 09:00	05/16/18
L1817959-02	SW-3A-005	SOIL	YONKERS, NY	05/16/18 09:00	05/16/18
L1817959-03	SW-3A-006	SOIL	YONKERS, NY	05/16/18 13:00	05/16/18

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	CPG III A	**Lab Number:**	L1817959
Project Number:	15.5268	**Report Date:**	05/23/18

Case Narrative (continued)

Report Submission

L1817959-02: At the client's request, the sample was placed on hold.

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

Total Metals

L1817959-01 and -03: 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.

Hexavalent Chromium

The WG1116652-2 LCS recovery (79%), associated with L1817959-01, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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: 05/23/18

ORGANICS

VOLATILES

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-01
Client ID: FS-3A-015 (A5)
Sample Location: YONKERS, NY

Date Collected: 05/16/18 09:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/21/18 15:17
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0024	0.00031	1
1,4-Dioxane	ND		mg/kg	0.032	0.011	1
1,2-Dibromoethane	ND		mg/kg	0.0024	0.00016	1
Methylene chloride	ND		mg/kg	0.0040	0.0013	1
1,1-Dichloroethane	ND		mg/kg	0.0012	0.00021	1
Chloroform	ND		mg/kg	0.0012	0.00029	1
Carbon tetrachloride	ND		mg/kg	0.00080	0.00027	1
1,2-Dichloropropane	ND		mg/kg	0.0028	0.00018	1
Dibromochloromethane	ND		mg/kg	0.00080	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0012	0.00025	1
Tetrachloroethene	ND		mg/kg	0.00080	0.00024	1
Chlorobenzene	ND		mg/kg	0.00080	0.00028	1
Trichlorofluoromethane	ND		mg/kg	0.0040	0.00033	1
1,2-Dichloroethane	ND		mg/kg	0.00080	0.00020	1
1,1,1-Trichloroethane	ND		mg/kg	0.00080	0.00028	1
Bromodichloromethane	ND		mg/kg	0.00080	0.00024	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00080	0.00016	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00080	0.00018	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00080	0.00016	1
Bromoform	ND		mg/kg	0.0032	0.00019	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00080	0.00024	1
Benzene	ND		mg/kg	0.00080	0.00015	1
Toluene	0.00019	J	mg/kg	0.0012	0.00016	1
Ethylbenzene	ND		mg/kg	0.00080	0.00014	1
Chloromethane	ND		mg/kg	0.0040	0.00035	1
Bromomethane	ND		mg/kg	0.0016	0.00027	1
Vinyl chloride	ND		mg/kg	0.0016	0.00025	1
Chloroethane	ND		mg/kg	0.0016	0.00025	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-01
Client ID: FS-3A-015 (A5)
Sample Location: YONKERS, NY
Date Collected: 05/16/18 09:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00080	0.00030	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00019	1
Trichloroethene	ND		mg/kg	0.00080	0.00024	1
1,2-Dichlorobenzene	ND		mg/kg	0.0040	0.00014	1
1,3-Dichlorobenzene	ND		mg/kg	0.0040	0.00017	1
1,4-Dichlorobenzene	ND		mg/kg	0.0040	0.00014	1
Methyl tert butyl ether	ND		mg/kg	0.0016	0.00012	1
p/m-Xylene	ND		mg/kg	0.0016	0.00028	1
o-Xylene	ND		mg/kg	0.0016	0.00027	1
Xylene (Total)	ND		mg/kg	0.0016	0.00027	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00080	0.00027	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00080	0.00019	1
Styrene	ND		mg/kg	0.0016	0.00032	1
Dichlorodifluoromethane	ND		mg/kg	0.0080	0.00040	1
Acetone	ND		mg/kg	0.029	0.0018	1
Carbon disulfide	ND		mg/kg	0.0080	0.00087	1
2-Butanone	ND		mg/kg	0.0080	0.00055	1
4-Methyl-2-pentanone	ND		mg/kg	0.0080	0.00019	1
2-Hexanone	ND		mg/kg	0.0080	0.00053	1
Bromochloromethane	ND		mg/kg	0.0040	0.00028	1
Isopropylbenzene	ND		mg/kg	0.00080	0.00015	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0040	0.00020	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0040	0.00017	1
Methyl Acetate	ND		mg/kg	0.0032	0.00037	1
Cyclohexane	ND		mg/kg	0.016	0.00034	1
Methyl cyclohexane	ND		mg/kg	0.0032	0.00019	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.016	0.00041	1

Tentatively Identified Compounds				
Total TIC Compounds	0.033	J	mg/kg	1
Unknown Cycloalkane	0.031	J	mg/kg	1
n-Hexane	0.002	NJ	mg/kg	1

Project Name: CPG III A
Lab Number: L1817959
Project Number: 15.5268
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-01
Client ID: FS-3A-015 (A5)
Sample Location: YONKERS, NY

Date Collected: 05/16/18 09:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-03
Client ID: SW-3A-006
Sample Location: YONKERS, NY

Date Collected: 05/16/18 13:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/21/18 15:44
Analyst: JC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0025	0.00032	1
1,4-Dioxane	ND		mg/kg	0.033	0.012	1
1,2-Dibromoethane	ND		mg/kg	0.0025	0.00016	1
Methylene chloride	ND		mg/kg	0.0041	0.0014	1
1,1-Dichloroethane	ND		mg/kg	0.0012	0.00022	1
Chloroform	ND		mg/kg	0.0012	0.00030	1
Carbon tetrachloride	ND		mg/kg	0.00082	0.00028	1
1,2-Dichloropropane	ND		mg/kg	0.0029	0.00019	1
Dibromochloromethane	ND		mg/kg	0.00082	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0012	0.00026	1
Tetrachloroethene	ND		mg/kg	0.00082	0.00025	1
Chlorobenzene	ND		mg/kg	0.00082	0.00028	1
Trichlorofluoromethane	ND		mg/kg	0.0041	0.00034	1
1,2-Dichloroethane	ND		mg/kg	0.00082	0.00020	1
1,1,1-Trichloroethane	ND		mg/kg	0.00082	0.00029	1
Bromodichloromethane	ND		mg/kg	0.00082	0.00025	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00082	0.00017	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00082	0.00019	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00082	0.00017	1
Bromoform	ND		mg/kg	0.0033	0.00019	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00082	0.00024	1
Benzene	ND		mg/kg	0.00082	0.00016	1
Toluene	ND		mg/kg	0.0012	0.00016	1
Ethylbenzene	ND		mg/kg	0.00082	0.00014	1
Chloromethane	ND		mg/kg	0.0041	0.00036	1
Bromomethane	ND		mg/kg	0.0016	0.00028	1
Vinyl chloride	ND		mg/kg	0.0016	0.00026	1
Chloroethane	ND		mg/kg	0.0016	0.00026	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-03
Client ID: SW-3A-006
Sample Location: YONKERS, NY
Date Collected: 05/16/18 13:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00082	0.00030	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00020	1
Trichloroethene	ND		mg/kg	0.00082	0.00025	1
1,2-Dichlorobenzene	ND		mg/kg	0.0041	0.00015	1
1,3-Dichlorobenzene	ND		mg/kg	0.0041	0.00018	1
1,4-Dichlorobenzene	ND		mg/kg	0.0041	0.00015	1
Methyl tert butyl ether	ND		mg/kg	0.0016	0.00012	1
p/m-Xylene	ND		mg/kg	0.0016	0.00029	1
o-Xylene	ND		mg/kg	0.0016	0.00028	1
Xylene (Total)	ND		mg/kg	0.0016	0.00028	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00082	0.00028	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00082	0.00020	1
Styrene	ND		mg/kg	0.0016	0.00033	1
Dichlorodifluoromethane	ND		mg/kg	0.0082	0.00041	1
Acetone	ND		mg/kg	0.030	0.0019	1
Carbon disulfide	ND		mg/kg	0.0082	0.00090	1
2-Butanone	ND		mg/kg	0.0082	0.00056	1
4-Methyl-2-pentanone	ND		mg/kg	0.0082	0.00020	1
2-Hexanone	ND		mg/kg	0.0082	0.00055	1
Bromochloromethane	ND		mg/kg	0.0041	0.00029	1
Isopropylbenzene	ND		mg/kg	0.00082	0.00016	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0041	0.00020	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0041	0.00018	1
Methyl Acetate	ND		mg/kg	0.0033	0.00038	1
Cyclohexane	ND		mg/kg	0.016	0.00036	1
Methyl cyclohexane	ND		mg/kg	0.0033	0.00020	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.016	0.00042	1

Tentatively Identified Compounds					
Total TIC Compounds	0.008	J	mg/kg		1
Cyclopentane	0.008	NJ	mg/kg		1

Project Name: CPG III A
Lab Number: L1817959
Project Number: 15.5268
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-03
Client ID: SW-3A-006
Sample Location: YONKERS, NY

Date Collected: 05/16/18 13:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/21/18 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01,03 Batch: WG1118275-5					
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.00040
1,4-Dioxane	ND		mg/kg	0.040	0.014
1,2-Dibromoethane	ND		mg/kg	0.0030	0.00020
Methylene chloride	ND		mg/kg	0.0050	0.0016
1,1-Dichloroethane	ND		mg/kg	0.0015	0.00027
Chloroform	ND		mg/kg	0.0015	0.00037
Carbon tetrachloride	ND		mg/kg	0.0010	0.00034
1,2-Dichloropropane	ND		mg/kg	0.0035	0.00023
Dibromochloromethane	ND		mg/kg	0.0010	0.00018
1,1,2-Trichloroethane	ND		mg/kg	0.0015	0.00031
2-Chloroethylvinyl ether	ND		mg/kg	0.020	0.00062
Tetrachloroethene	ND		mg/kg	0.0010	0.00030
Chlorobenzene	ND		mg/kg	0.0010	0.00035
Trichlorofluoromethane	ND		mg/kg	0.0050	0.00042
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00025
1,1,1-Trichloroethane	ND		mg/kg	0.0010	0.00035
Bromodichloromethane	ND		mg/kg	0.0010	0.00031
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00021
cis-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00023
1,3-Dichloropropene, Total	ND		mg/kg	0.0010	0.00021
1,1-Dichloropropene	ND		mg/kg	0.0050	0.00033
Bromoform	ND		mg/kg	0.0040	0.00024
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0010	0.00030
Benzene	ND		mg/kg	0.0010	0.00019
Toluene	0.00073	J	mg/kg	0.0015	0.00020
Ethylbenzene	ND		mg/kg	0.0010	0.00017
Chloromethane	ND		mg/kg	0.0050	0.00044
Bromomethane	0.00074	J	mg/kg	0.0020	0.00034
Vinyl chloride	ND		mg/kg	0.0020	0.00032

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/21/18 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01,03 Batch: WG1118275-5					
Chloroethane	ND		mg/kg	0.0020	0.00032
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00037
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00024
Trichloroethene	ND		mg/kg	0.0010	0.00030
1,2-Dichlorobenzene	ND		mg/kg	0.0050	0.00018
1,3-Dichlorobenzene	ND		mg/kg	0.0050	0.00022
1,4-Dichlorobenzene	ND		mg/kg	0.0050	0.00018
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00015
p/m-Xylene	ND		mg/kg	0.0020	0.00035
o-Xylene	ND		mg/kg	0.0020	0.00034
Xylene (Total)	ND		mg/kg	0.0020	0.00034
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00034
1,2-Dichloroethene (total)	ND		mg/kg	0.0010	0.00024
Dibromomethane	ND		mg/kg	0.010	0.00024
1,4-Dichlorobutane	ND		mg/kg	0.010	0.00016
1,2,3-Trichloropropane	ND		mg/kg	0.010	0.00018
Styrene	ND		mg/kg	0.0020	0.00040
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00050
Acetone	ND		mg/kg	0.036	0.0023
Carbon disulfide	ND		mg/kg	0.010	0.0011
2-Butanone	ND		mg/kg	0.010	0.00069
Vinyl acetate	ND		mg/kg	0.010	0.00015
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.00024
2-Hexanone	ND		mg/kg	0.010	0.00067
Ethyl methacrylate	ND		mg/kg	0.010	0.00017
Acrolein	ND		mg/kg	0.025	0.0080
Acrylonitrile	ND		mg/kg	0.0040	0.00051
Bromochloromethane	ND		mg/kg	0.0050	0.00036
Tetrahydrofuran	ND		mg/kg	0.020	0.0010

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/21/18 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01,03 Batch: WG1118275-5					
2,2-Dichloropropane	ND		mg/kg	0.0050	0.00045
1,3-Dichloropropane	ND		mg/kg	0.0050	0.00018
1,1,1,2-Tetrachloroethane	ND		mg/kg	0.0010	0.00032
Bromobenzene	ND		mg/kg	0.0050	0.00022
n-Butylbenzene	ND		mg/kg	0.0010	0.00023
sec-Butylbenzene	ND		mg/kg	0.0010	0.00022
tert-Butylbenzene	ND		mg/kg	0.0050	0.00025
o-Chlorotoluene	ND		mg/kg	0.0050	0.00022
p-Chlorotoluene	ND		mg/kg	0.0050	0.00018
Hexachlorobutadiene	ND		mg/kg	0.0050	0.00035
Isopropylbenzene	ND		mg/kg	0.0010	0.00019
p-Isopropyltoluene	ND		mg/kg	0.0010	0.00020
Naphthalene	ND		mg/kg	0.0050	0.00014
n-Propylbenzene	ND		mg/kg	0.0010	0.00022
1,2,3-Trichlorobenzene	ND		mg/kg	0.0050	0.00025
1,2,4-Trichlorobenzene	ND		mg/kg	0.0050	0.00022
1,3,5-Trimethylbenzene	ND		mg/kg	0.0050	0.00016
1,2,4-Trimethylbenzene	ND		mg/kg	0.0050	0.00019
trans-1,4-Dichloro-2-butene	ND		mg/kg	0.0050	0.00039
Ethyl ether	ND		mg/kg	0.0050	0.00026
Methyl Acetate	ND		mg/kg	0.0040	0.00046
Ethyl Acetate	ND		mg/kg	0.020	0.0020
Isopropyl Ether	ND		mg/kg	0.0040	0.00028
Cyclohexane	ND		mg/kg	0.020	0.00043
tert-Butyl Alcohol	ND		mg/kg	0.10	0.0029
Ethyl-Tert-Butyl-Ether	ND		mg/kg	0.0040	0.00018
Tertiary-Amyl Methyl Ether	ND		mg/kg	0.0040	0.00023
Methyl cyclohexane	ND		mg/kg	0.0040	0.00024
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.020	0.00051

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/21/18 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01,03 Batch: WG1118275-5					
1,2,4,5-Tetramethylbenzene	ND		mg/kg	0.0040	0.00016
1,4-Diethylbenzene	ND		mg/kg	0.0040	0.0040
4-Ethyltoluene	ND		mg/kg	0.0040	0.00023
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		mg/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1817959

Report Date: 05/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG1118275-3 WG1118275-4								
1,2-Dibromo-3-chloropropane	90		89		40-160	1		30
1,4-Dioxane	116		122		40-160	5		30
1,2-Dibromoethane	93		92		70-130	1		30
Methylene chloride	107		107		70-130	0		30
1,1-Dichloroethane	105		106		70-130	1		30
Chloroform	102		102		70-130	0		30
Carbon tetrachloride	106		107		70-130	1		30
1,2-Dichloropropane	108		109		70-130	1		30
Dibromochloromethane	88		88		70-130	0		30
1,1,2-Trichloroethane	92		93		70-130	1		30
2-Chloroethylvinyl ether	112		109		40-160	3		30
Tetrachloroethene	107		106		70-130	1		30
Chlorobenzene	97		97		70-130	0		30
Trichlorofluoromethane	88		92		40-160	4		30
1,2-Dichloroethane	89		89		70-130	0		30
1,1,1-Trichloroethane	104		104		70-130	0		30
Bromodichloromethane	103		105		70-130	2		30
trans-1,3-Dichloropropene	88		88		70-130	0		30
cis-1,3-Dichloropropene	112		112		40-160	0		30
1,1-Dichloropropene	110		111		70-130	1		30
Bromoform	87		88		40-160	1		30
1,1,2,2-Tetrachloroethane	94		94		40-160	0		30
Benzene	109		110		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1817959

Report Date: 05/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG1118275-3 WG1118275-4								
Toluene	100		100		70-130	0		30
Ethylbenzene	98		99		70-130	1		30
Chloromethane	107		110		40-160	3		30
Bromomethane	98		97		40-160	1		30
Vinyl chloride	103		104		70-130	1		30
Chloroethane	74		80		40-160	8		30
1,1-Dichloroethene	116		99		70-130	16		30
trans-1,2-Dichloroethene	115		113		70-130	2		30
Trichloroethene	108		108		70-130	0		30
1,2-Dichlorobenzene	95		96		70-130	1		30
1,3-Dichlorobenzene	96		97		70-130	1		30
1,4-Dichlorobenzene	93		94		70-130	1		30
Methyl tert butyl ether	107		106		70-130	1		30
p/m-Xylene	102		102		70-130	0		30
o-Xylene	100		100		70-130	0		30
cis-1,2-Dichloroethene	113		113		70-130	0		30
Dibromomethane	97		97		70-130	0		30
1,4-Dichlorobutane	90		90		70-130	0		30
1,2,3-Trichloropropane	90		90		70-130	0		30
Styrene	101		101		40-160	0		30
Dichlorodifluoromethane	105		106		40-160	1		30
Acetone	102		96		40-160	6		30
Carbon disulfide	105		95		40-160	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1817959

Report Date: 05/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG1118275-3 WG1118275-4								
2-Butanone	88		88		40-160	0		30
Vinyl acetate	89		90		70-130	1		30
4-Methyl-2-pentanone	95		92		40-160	3		30
2-Hexanone	88		85		40-160	3		30
Ethyl methacrylate	92		90		70-130	2		30
Acrolein	100		101		40-160	1		30
Acrylonitrile	100		100		70-130	0		30
Bromochloromethane	117		114		70-130	3		30
Tetrahydrofuran	116		102		70-130	13		30
2,2-Dichloropropane	104		104		40-160	0		30
1,3-Dichloropropane	98		98		70-130	0		30
1,1,1,2-Tetrachloroethane	98		98		70-130	0		30
Bromobenzene	98		100		70-130	2		30
n-Butylbenzene	95		94		70-130	1		30
sec-Butylbenzene	95		96		70-130	1		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	92		92		70-130	0		30
p-Chlorotoluene	91		94		70-130	3		30
Hexachlorobutadiene	105		104		70-130	1		30
Isopropylbenzene	97		98		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	100		101		40-160	1		30
n-Propylbenzene	95		96		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1817959

Report Date: 05/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG1118275-3 WG1118275-4								
1,2,3-Trichlorobenzene	101		101		70-130	0		30
1,2,4-Trichlorobenzene	105		106		70-130	1		30
1,3,5-Trimethylbenzene	94		95		70-130	1		30
1,2,4-Trimethylbenzene	96		97		70-130	1		30
trans-1,4-Dichloro-2-butene	79		82		70-130	4		30
Ethyl ether	85		86		70-130	1		30
Methyl Acetate	105		105		70-130	0		30
Ethyl Acetate	95		94		70-130	1		30
Isopropyl Ether	101		102		70-130	1		30
Cyclohexane	112		111		70-130	1		30
tert-Butyl Alcohol	100		99		40-160	1		30
Ethyl-Tert-Butyl-Ether	104		104		70-130	0		30
Tertiary-Amyl Methyl Ether	107		106		70-130	1		30
Methyl cyclohexane	115		114		70-130	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	115		107		70-130	7		30
1,2,4,5-Tetramethylbenzene	98		98		70-130	0		30
1,4-Diethylbenzene	100		99		70-130	1		30
4-Ethyltoluene	98		98		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG1118275-3 WG1118275-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		82		70-130
Toluene-d8	94		95		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-01
Client ID: FS-3A-015 (A5)
Sample Location: YONKERS, NY

Date Collected: 05/16/18 09:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/18/18 21:33
Analyst: CB
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 05/17/18 08:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.14	0.015	1
2-Chloronaphthalene	ND		mg/kg	0.18	0.017	1
Hexachlorobenzene	ND		mg/kg	0.052	0.017	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.066	0.022	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.14	0.047	1
2,4-Dinitrotoluene	ND		mg/kg	0.091	0.030	1
2,6-Dinitrotoluene	ND		mg/kg	0.072	0.024	1
Fluoranthene	ND		mg/kg	0.11	0.021	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.18	0.015	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.22	0.021	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.017	1
Hexachlorobutadiene	ND		mg/kg	0.068	0.023	1
Hexachlorocyclopentadiene	ND		mg/kg	0.52	0.12	1
Hexachloroethane	ND		mg/kg	0.089	0.030	1
Isophorone	ND		mg/kg	0.061	0.020	1
Naphthalene	ND		mg/kg	0.18	0.022	1
Nitrobenzene	ND		mg/kg	0.081	0.027	1
NDPA/DPA	ND		mg/kg	0.045	0.015	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.046	0.015	1
Bis(2-ethylhexyl)phthalate	0.068	J	mg/kg	0.18	0.019	1
Butyl benzyl phthalate	ND		mg/kg	0.18	0.024	1
Di-n-butylphthalate	ND		mg/kg	0.18	0.016	1
Di-n-octylphthalate	ND		mg/kg	0.18	0.057	1
Diethyl phthalate	ND		mg/kg	0.18	0.016	1
Dimethyl phthalate	ND		mg/kg	0.18	0.017	1
Benzo(a)anthracene	ND		mg/kg	0.061	0.020	1
Benzo(a)pyrene	ND		mg/kg	0.13	0.044	1
Benzo(b)fluoranthene	ND		mg/kg	0.046	0.015	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-01
Client ID: FS-3A-015 (A5)
Sample Location: YONKERS, NY
Date Collected: 05/16/18 09:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	ND		mg/kg	0.038	0.013	1
Chrysene	ND		mg/kg	0.11	0.019	1
Acenaphthylene	ND		mg/kg	0.14	0.020	1
Anthracene	ND		mg/kg	0.11	0.016	1
Benzo(ghi)perylene	ND		mg/kg	0.14	0.021	1
Fluorene	ND		mg/kg	0.18	0.018	1
Phenanthrene	ND		mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.063	0.021	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.077	0.025	1
Pyrene	ND		mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.18	0.021	1
2-Nitroaniline	ND		mg/kg	0.18	0.033	1
3-Nitroaniline	ND		mg/kg	0.18	0.034	1
4-Nitroaniline	ND		mg/kg	0.18	0.076	1
Dibenzofuran	ND		mg/kg	0.18	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.019	1
2,4,6-Trichlorophenol	ND		mg/kg	0.10	0.034	1
p-Chloro-m-cresol	ND		mg/kg	0.18	0.027	1
2-Chlorophenol	ND		mg/kg	0.060	0.020	1
2,4-Dichlorophenol	ND		mg/kg	0.088	0.029	1
2,4-Dimethylphenol	ND		mg/kg	0.17	0.058	1
2-Nitrophenol	ND		mg/kg	0.39	0.030	1
2,4-Dinitrophenol	ND		mg/kg	0.26	0.085	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.26	0.088	1
Pentachlorophenol	ND		mg/kg	0.12	0.040	1
Phenol	ND		mg/kg	0.18	0.022	1
2-Methylphenol	ND		mg/kg	0.18	0.028	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.26	0.026	1
2,4,5-Trichlorophenol	ND		mg/kg	0.18	0.035	1
Carbazole	ND		mg/kg	0.18	0.012	1
4-Nitrophenol	ND		mg/kg	0.26	0.051	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.18	0.020	1
Benzaldehyde	ND		mg/kg	0.24	0.028	1
Caprolactam	ND		mg/kg	0.18	0.039	1
Acetophenone	ND		mg/kg	0.18	0.019	1
Biphenyl	ND		mg/kg	0.42	0.042	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.18	0.019	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-01
Client ID: FS-3A-015 (A5)
Sample Location: YONKERS, NY
Date Collected: 05/16/18 09:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.14	0.064	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.18	0.037	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		30-130
Phenol-d6	65		30-130
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	71		30-130
2,4,6-Tribromophenol	82		30-130
4-Terphenyl-d14	64		30-130

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-03
Client ID: SW-3A-006
Sample Location: YONKERS, NY

Date Collected: 05/16/18 13:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/20/18 00:54
Analyst: CB
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/18/18 20:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	0.046	J	mg/kg	0.15	0.016	1
2-Chloronaphthalene	ND		mg/kg	0.18	0.018	1
Hexachlorobenzene	ND		mg/kg	0.053	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.067	0.022	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.14	0.048	1
2,4-Dinitrotoluene	ND		mg/kg	0.092	0.031	1
2,6-Dinitrotoluene	ND		mg/kg	0.073	0.024	1
Fluoranthene	0.88		mg/kg	0.11	0.021	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.18	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.22	0.021	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.069	0.023	1
Hexachlorocyclopentadiene	ND		mg/kg	0.53	0.12	1
Hexachloroethane	ND		mg/kg	0.090	0.030	1
Isophorone	ND		mg/kg	0.062	0.021	1
Naphthalene	ND		mg/kg	0.18	0.023	1
Nitrobenzene	ND		mg/kg	0.082	0.027	1
NDPA/DPA	ND		mg/kg	0.046	0.015	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.047	0.016	1
Bis(2-ethylhexyl)phthalate	0.050	J	mg/kg	0.18	0.019	1
Butyl benzyl phthalate	ND		mg/kg	0.18	0.025	1
Di-n-butylphthalate	ND		mg/kg	0.18	0.016	1
Di-n-octylphthalate	ND		mg/kg	0.18	0.058	1
Diethyl phthalate	ND		mg/kg	0.18	0.017	1
Dimethyl phthalate	ND		mg/kg	0.18	0.018	1
Benzo(a)anthracene	0.38		mg/kg	0.062	0.021	1
Benzo(a)pyrene	0.29		mg/kg	0.14	0.045	1
Benzo(b)fluoranthene	0.41		mg/kg	0.047	0.015	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-03
Client ID: SW-3A-006
Sample Location: YONKERS, NY
Date Collected: 05/16/18 13:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	0.15		mg/kg	0.039	0.013	1
Chrysene	0.37		mg/kg	0.11	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.021	1
Anthracene	0.099	J	mg/kg	0.11	0.016	1
Benzo(ghi)perylene	0.19		mg/kg	0.15	0.022	1
Fluorene	0.026	J	mg/kg	0.18	0.018	1
Phenanthrene	0.43		mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	0.049	J	mg/kg	0.064	0.021	1
Indeno(1,2,3-cd)pyrene	0.20		mg/kg	0.078	0.026	1
Pyrene	0.76		mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.18	0.021	1
2-Nitroaniline	ND		mg/kg	0.18	0.034	1
3-Nitroaniline	ND		mg/kg	0.18	0.035	1
4-Nitroaniline	ND		mg/kg	0.18	0.077	1
Dibenzofuran	0.018	J	mg/kg	0.18	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.10	0.035	1
p-Chloro-m-cresol	ND		mg/kg	0.18	0.028	1
2-Chlorophenol	ND		mg/kg	0.061	0.020	1
2,4-Dichlorophenol	ND		mg/kg	0.089	0.030	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.059	1
2-Nitrophenol	ND		mg/kg	0.40	0.030	1
2,4-Dinitrophenol	ND		mg/kg	0.27	0.086	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.27	0.089	1
Pentachlorophenol	ND		mg/kg	0.12	0.041	1
Phenol	ND		mg/kg	0.18	0.022	1
2-Methylphenol	ND		mg/kg	0.18	0.029	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.27	0.027	1
2,4,5-Trichlorophenol	ND		mg/kg	0.18	0.036	1
Carbazole	0.037	J	mg/kg	0.18	0.012	1
4-Nitrophenol	ND		mg/kg	0.26	0.052	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.18	0.021	1
Benzaldehyde	ND		mg/kg	0.24	0.029	1
Caprolactam	ND		mg/kg	0.18	0.040	1
Acetophenone	ND		mg/kg	0.18	0.019	1
Biphenyl	ND		mg/kg	0.42	0.043	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.18	0.019	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-03
Client ID: SW-3A-006
Sample Location: YONKERS, NY
Date Collected: 05/16/18 13:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.065	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.18	0.037	1
Tentatively Identified Compounds						
Total TIC Compounds	1.00	J	mg/kg			1
Unknown	0.526	J	mg/kg			1
Aldol Condensates	0.251	J	mg/kg			1
Unknown PAH	0.225	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		30-130
Phenol-d6	82		30-130
Nitrobenzene-d5	87		30-130
2-Fluorobiphenyl	79		30-130
2,4,6-Tribromophenol	83		30-130
4-Terphenyl-d14	82		30-130

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/17/18 23:43
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 05/17/18 05:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1116622-1					
Acenaphthene	ND		mg/kg	0.13	0.014
2-Chloronaphthalene	ND		mg/kg	0.16	0.016
Hexachlorobenzene	ND		mg/kg	0.047	0.016
Bis(2-chloroethyl)ether	ND		mg/kg	0.059	0.020
3,3'-Dichlorobenzidine	ND		mg/kg	0.12	0.042
2,4-Dinitrotoluene	ND		mg/kg	0.081	0.027
2,6-Dinitrotoluene	ND		mg/kg	0.065	0.022
Fluoranthene	ND		mg/kg	0.098	0.019
4-Chlorophenyl phenyl ether	ND		mg/kg	0.16	0.014
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.20	0.019
Bis(2-chloroethoxy)methane	ND		mg/kg	0.18	0.016
Hexachlorobutadiene	ND		mg/kg	0.061	0.020
Hexachlorocyclopentadiene	ND		mg/kg	0.47	0.10
Hexachloroethane	ND		mg/kg	0.079	0.026
Isophorone	ND		mg/kg	0.055	0.018
Naphthalene	ND		mg/kg	0.16	0.020
Nitrobenzene	ND		mg/kg	0.073	0.024
NDPA/DPA	ND		mg/kg	0.040	0.013
n-Nitrosodi-n-propylamine	ND		mg/kg	0.041	0.014
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.16	0.017
Butyl benzyl phthalate	ND		mg/kg	0.16	0.022
Di-n-butylphthalate	ND		mg/kg	0.16	0.014
Di-n-octylphthalate	ND		mg/kg	0.16	0.051
Diethyl phthalate	ND		mg/kg	0.16	0.015
Dimethyl phthalate	ND		mg/kg	0.16	0.016
Benzo(a)anthracene	ND		mg/kg	0.055	0.018
Benzo(a)pyrene	ND		mg/kg	0.12	0.040
Benzo(b)fluoranthene	ND		mg/kg	0.041	0.014
Benzo(k)fluoranthene	ND		mg/kg	0.034	0.011

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/17/18 23:43
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 05/17/18 05:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1116622-1					
Chrysene	ND		mg/kg	0.098	0.017
Acenaphthylene	ND		mg/kg	0.13	0.018
Anthracene	ND		mg/kg	0.098	0.014
Benzo(ghi)perylene	ND		mg/kg	0.13	0.019
Fluorene	ND		mg/kg	0.16	0.016
Phenanthrene	ND		mg/kg	0.098	0.012
Dibenzo(a,h)anthracene	ND		mg/kg	0.057	0.019
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.069	0.023
Pyrene	ND		mg/kg	0.098	0.014
4-Chloroaniline	ND		mg/kg	0.16	0.019
2-Nitroaniline	ND		mg/kg	0.16	0.030
3-Nitroaniline	ND		mg/kg	0.16	0.031
4-Nitroaniline	ND		mg/kg	0.16	0.068
Dibenzofuran	ND		mg/kg	0.16	0.014
2-Methylnaphthalene	ND		mg/kg	0.20	0.017
2,4,6-Trichlorophenol	ND		mg/kg	0.093	0.031
p-Chloro-m-cresol	ND		mg/kg	0.16	0.024
2-Chlorophenol	ND		mg/kg	0.054	0.018
2,4-Dichlorophenol	ND		mg/kg	0.078	0.026
2,4-Dimethylphenol	ND		mg/kg	0.16	0.052
2-Nitrophenol	ND		mg/kg	0.35	0.027
2,4-Dinitrophenol	ND		mg/kg	0.24	0.076
4,6-Dinitro-o-cresol	ND		mg/kg	0.24	0.078
Pentachlorophenol	ND		mg/kg	0.11	0.036
Phenol	ND		mg/kg	0.16	0.019
2-Methylphenol	ND		mg/kg	0.16	0.025
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.24	0.024
2,4,5-Trichlorophenol	ND		mg/kg	0.16	0.031
Carbazole	ND		mg/kg	0.16	0.010

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/17/18 23:43
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 05/17/18 05:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1116622-1					
4-Nitrophenol	ND		mg/kg	0.23	0.045
4-Bromophenyl phenyl ether	ND		mg/kg	0.16	0.018
Benzaldehyde	ND		mg/kg	0.22	0.025
Caprolactam	ND		mg/kg	0.16	0.035
Acetophenone	ND		mg/kg	0.16	0.017
Biphenyl	ND		mg/kg	0.37	0.038
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.16	0.017
Atrazine	ND		mg/kg	0.13	0.057
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.16	0.033
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		mg/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		30-130
Phenol-d6	80		30-130
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	90		30-130
4-Terphenyl-d14	85		30-130

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/18/18 21:34
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/18/18 09:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1117169-1					
Acenaphthene	ND		mg/kg	0.13	0.014
2-Chloronaphthalene	ND		mg/kg	0.16	0.016
Hexachlorobenzene	ND		mg/kg	0.047	0.016
Bis(2-chloroethyl)ether	ND		mg/kg	0.059	0.020
3,3'-Dichlorobenzidine	ND		mg/kg	0.12	0.042
2,4-Dinitrotoluene	ND		mg/kg	0.081	0.027
2,6-Dinitrotoluene	ND		mg/kg	0.065	0.022
Fluoranthene	ND		mg/kg	0.098	0.019
4-Chlorophenyl phenyl ether	ND		mg/kg	0.16	0.014
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.20	0.019
Bis(2-chloroethoxy)methane	ND		mg/kg	0.18	0.015
Hexachlorobutadiene	ND		mg/kg	0.061	0.020
Hexachlorocyclopentadiene	ND		mg/kg	0.47	0.10
Hexachloroethane	ND		mg/kg	0.079	0.026
Isophorone	ND		mg/kg	0.055	0.018
Naphthalene	ND		mg/kg	0.16	0.020
Nitrobenzene	ND		mg/kg	0.072	0.024
NDPA/DPA	ND		mg/kg	0.040	0.013
n-Nitrosodi-n-propylamine	ND		mg/kg	0.041	0.014
Bis(2-ethylhexyl)phthalate	0.039	J	mg/kg	0.16	0.017
Butyl benzyl phthalate	ND		mg/kg	0.16	0.022
Di-n-butylphthalate	ND		mg/kg	0.16	0.014
Di-n-octylphthalate	ND		mg/kg	0.16	0.051
Diethyl phthalate	ND		mg/kg	0.16	0.015
Dimethyl phthalate	ND		mg/kg	0.16	0.016
Benzo(a)anthracene	ND		mg/kg	0.055	0.018
Benzo(a)pyrene	ND		mg/kg	0.12	0.040
Benzo(b)fluoranthene	ND		mg/kg	0.041	0.014
Benzo(k)fluoranthene	ND		mg/kg	0.034	0.011

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/18/18 21:34
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/18/18 09:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1117169-1					
Chrysene	ND		mg/kg	0.098	0.017
Acenaphthylene	ND		mg/kg	0.13	0.018
Anthracene	ND		mg/kg	0.098	0.014
Benzo(ghi)perylene	ND		mg/kg	0.13	0.019
Fluorene	ND		mg/kg	0.16	0.016
Phenanthrene	ND		mg/kg	0.098	0.012
Dibenzo(a,h)anthracene	ND		mg/kg	0.057	0.019
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.068	0.023
Pyrene	ND		mg/kg	0.098	0.014
4-Chloroaniline	ND		mg/kg	0.16	0.019
2-Nitroaniline	ND		mg/kg	0.16	0.030
3-Nitroaniline	ND		mg/kg	0.16	0.031
4-Nitroaniline	ND		mg/kg	0.16	0.068
Dibenzofuran	ND		mg/kg	0.16	0.014
2-Methylnaphthalene	ND		mg/kg	0.20	0.017
2,4,6-Trichlorophenol	ND		mg/kg	0.093	0.031
p-Chloro-m-cresol	ND		mg/kg	0.16	0.024
2-Chlorophenol	ND		mg/kg	0.054	0.018
2,4-Dichlorophenol	ND		mg/kg	0.078	0.026
2,4-Dimethylphenol	ND		mg/kg	0.16	0.052
2-Nitrophenol	ND		mg/kg	0.35	0.027
2,4-Dinitrophenol	ND		mg/kg	0.23	0.076
4,6-Dinitro-o-cresol	ND		mg/kg	0.23	0.078
Pentachlorophenol	ND		mg/kg	0.11	0.036
Phenol	ND		mg/kg	0.16	0.019
2-Methylphenol	ND		mg/kg	0.16	0.025
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.23	0.024
2,4,5-Trichlorophenol	ND		mg/kg	0.16	0.031
Carbazole	ND		mg/kg	0.16	0.010

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/18/18 21:34
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/18/18 09:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1117169-1					
4-Nitrophenol	ND		mg/kg	0.23	0.045
4-Bromophenyl phenyl ether	ND		mg/kg	0.16	0.018
Benzaldehyde	ND		mg/kg	0.22	0.025
Caprolactam	ND		mg/kg	0.16	0.035
Acetophenone	ND		mg/kg	0.16	0.017
Biphenyl	ND		mg/kg	0.37	0.038
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.16	0.017
Atrazine	ND		mg/kg	0.13	0.057
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.16	0.033

Tentatively Identified Compounds			
Total TIC Compounds	0.354	J	mg/kg
Aldol Condensates	0.207	J	mg/kg
Unknown	0.147	J	mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		30-130
Phenol-d6	76		30-130
Nitrobenzene-d5	75		30-130
2-Fluorobiphenyl	70		30-130
2,4,6-Tribromophenol	83		30-130
4-Terphenyl-d14	76		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1817959

Report Date: 05/23/18

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: WG1116622-2 WG1116622-3								
Acenaphthene	77		87		70-130	12		30
2-Chloronaphthalene	79		88		70-130	11		30
Hexachlorobenzene	78		89		70-130	13		30
Bis(2-chloroethyl)ether	70		77		70-130	10		30
3,3'-Dichlorobenzidine	**57**	Q	**63**	Q	70-130	10		30
2,4-Dinitrotoluene	83		94		70-130	12		30
2,6-Dinitrotoluene	81		92		70-130	13		30
Fluoranthene	77		86		70-130	11		30
4-Chlorophenyl phenyl ether	78		88		70-130	12		30
Bis(2-chloroisopropyl)ether	70		78		70-130	11		30
Bis(2-chloroethoxy)methane	74		82		70-130	10		30
Hexachlorobutadiene	70		77		70-130	10		30
Hexachlorocyclopentadiene	61		68		20-160	11		30
Hexachloroethane	68		74		20-160	8		30
Isophorone	72		82		70-130	13		30
Naphthalene	73		80		70-130	9		30
Nitrobenzene	71		79		70-130	11		30
NDPA/DPA	80		90		70-130	12		30
n-Nitrosodi-n-propylamine	72		81		70-130	12		30
Bis(2-ethylhexyl)phthalate	78		88		70-130	12		30
Butyl benzyl phthalate	75		84		70-130	11		30
Di-n-butylphthalate	76		86		70-130	12		30
Di-n-octylphthalate	79		90		70-130	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

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: WG1116622-2 WG1116622-3								
Diethyl phthalate	78		88		70-130	12		30
Dimethyl phthalate	78		88		70-130	12		30
Benzo(a)anthracene	75		84		70-130	11		30
Benzo(a)pyrene	74		84		70-130	13		30
Benzo(b)fluoranthene	72		82		70-130	13		30
Benzo(k)fluoranthene	77		84		70-130	9		30
Chrysene	77		86		70-130	11		30
Acenaphthylene	80		89		70-130	11		30
Anthracene	76		85		70-130	11		30
Benzo(ghi)perylene	77		84		70-130	9		30
Fluorene	80		88		70-130	10		30
Phenanthrene	77		87		70-130	12		30
Dibenzo(a,h)anthracene	78		83		70-130	6		30
Indeno(1,2,3-cd)pyrene	77		85		70-130	10		30
Pyrene	77		86		70-130	11		30
4-Chloroaniline	66		66		20-160	0		30
2-Nitroaniline	81		92		70-130	13		30
3-Nitroaniline	**62**	Q	**67**	Q	70-130	8		30
4-Nitroaniline	78		88		70-130	12		30
Dibenzofuran	78		88		70-130	12		30
2-Methylnaphthalene	76		84		70-130	10		30
2,4,6-Trichlorophenol	80		89		70-130	11		30
p-Chloro-m-cresol	78		88		70-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

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: WG1116622-2 WG1116622-3								
2-Chlorophenol	75		83		70-130	10		30
2,4-Dichlorophenol	79		88		70-130	11		30
2,4-Dimethylphenol	77		85		70-130	10		30
2-Nitrophenol	77		86		70-130	11		30
2,4-Dinitrophenol	65		78		20-160	18		30
4,6-Dinitro-o-cresol	85		98		70-130	14		30
Pentachlorophenol	67		78		20-160	15		30
Phenol	76		86		20-160	12		30
2-Methylphenol	77		86		70-130	11		30
3-Methylphenol/4-Methylphenol	84		93		20-160	10		30
2,4,5-Trichlorophenol	80		92		70-130	14		30
Carbazole	76		85		70-130	11		30
4-Nitrophenol	90		102		20-160	13		30
4-Bromophenyl phenyl ether	78		88		70-130	12		30
Benzaldehyde	72		78		20-160	8		30
Caprolactam	80		91		20-160	13		30
Acetophenone	74		82		70-130	10		30
Biphenyl	83		92		70-130	10		30
1,2,4,5-Tetrachlorobenzene	78		86		70-130	10		30
Atrazine	74		84		70-130	13		30
2,3,4,6-Tetrachlorophenol	80		91		70-130	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1817959

Report Date: 05/23/18

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: WG1116622-2 WG1116622-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		70		30-130
Phenol-d6	70		77		30-130
Nitrobenzene-d5	65		72		30-130
2-Fluorobiphenyl	70		77		30-130
2,4,6-Tribromophenol	75		83		30-130
4-Terphenyl-d14	66		74		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1117169-2 WG1117169-3								
Acenaphthene	77		81		70-130	5		30
2-Chloronaphthalene	79		82		70-130	4		30
Hexachlorobenzene	72		77		70-130	7		30
Bis(2-chloroethyl)ether	77		76		70-130	1		30
3,3'-Dichlorobenzidine	**41**	Q	**47**	Q	70-130	14		30
2,4-Dinitrotoluene	101		105		70-130	4		30
2,6-Dinitrotoluene	97		101		70-130	4		30
Fluoranthene	78		86		70-130	10		30
4-Chlorophenyl phenyl ether	73		81		70-130	10		30
Bis(2-chloroisopropyl)ether	91		89		70-130	2		30
Bis(2-chloroethoxy)methane	78		79		70-130	1		30
Hexachlorobutadiene	72		75		70-130	4		30
Hexachlorocyclopentadiene	62		64		20-160	3		30
Hexachloroethane	74		72		20-160	3		30
Isophorone	80		81		70-130	1		30
Naphthalene	74		76		70-130	3		30
Nitrobenzene	83		82		70-130	1		30
NDPA/DPA	79		86		70-130	8		30
n-Nitrosodi-n-propylamine	78		78		70-130	0		30
Bis(2-ethylhexyl)phthalate	97		104		70-130	7		30
Butyl benzyl phthalate	85		95		70-130	11		30
Di-n-butylphthalate	84		91		70-130	8		30
Di-n-octylphthalate	95		101		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1817959

Report Date: 05/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1117169-2 WG1117169-3								
Diethyl phthalate	83		86		70-130	4		30
Dimethyl phthalate	79		83		70-130	5		30
Benzo(a)anthracene	80		84		70-130	5		30
Benzo(a)pyrene	77		82		70-130	6		30
Benzo(b)fluoranthene	77		82		70-130	6		30
Benzo(k)fluoranthene	78		82		70-130	5		30
Chrysene	81		86		70-130	6		30
Acenaphthylene	80		85		70-130	6		30
Anthracene	81		85		70-130	5		30
Benzo(ghi)perylene	77		84		70-130	9		30
Fluorene	80		81		70-130	1		30
Phenanthrene	80		84		70-130	5		30
Dibenzo(a,h)anthracene	77		83		70-130	8		30
Indeno(1,2,3-cd)pyrene	78		84		70-130	7		30
Pyrene	78		86		70-130	10		30
4-Chloroaniline	77		81		20-160	5		30
2-Nitroaniline	95		101		70-130	6		30
3-Nitroaniline	76		82		70-130	8		30
4-Nitroaniline	90		99		70-130	10		30
Dibenzofuran	76		81		70-130	6		30
2-Methylnaphthalene	78		80		70-130	3		30
2,4,6-Trichlorophenol	84		87		70-130	4		30
p-Chloro-m-cresol	81		86		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1117169-2 WG1117169-3								
2-Chlorophenol	81		80		70-130	1		30
2,4-Dichlorophenol	85		85		70-130	0		30
2,4-Dimethylphenol	83		84		70-130	1		30
2-Nitrophenol	94		93		70-130	1		30
2,4-Dinitrophenol	77		84		20-160	9		30
4,6-Dinitro-o-cresol	95		103		70-130	8		30
Pentachlorophenol	78		81		20-160	4		30
Phenol	76		76		20-160	0		30
2-Methylphenol	83		83		70-130	0		30
3-Methylphenol/4-Methylphenol	90		91		20-160	1		30
2,4,5-Trichlorophenol	82		87		70-130	6		30
Carbazole	83		87		70-130	5		30
4-Nitrophenol	98		106		20-160	8		30
4-Bromophenyl phenyl ether	76		79		70-130	4		30
Benzaldehyde	76		76		20-160	0		30
Caprolactam	97		100		20-160	3		30
Acetophenone	80		79		70-130	1		30
Biphenyl	80		84		70-130	5		30
1,2,4,5-Tetrachlorobenzene	76		79		70-130	4		30
Atrazine	76		80		70-130	5		30
2,3,4,6-Tetrachlorophenol	82		88		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1817959

Report Date: 05/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1117169-2 WG1117169-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		75		30-130
Phenol-d6	79		78		30-130
Nitrobenzene-d5	79		79		30-130
2-Fluorobiphenyl	72		74		30-130
2,4,6-Tribromophenol	76		80		30-130
4-Terphenyl-d14	71		76		30-130

METALS

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-01
Client ID: FS-3A-015 (A5)
Sample Location: YONKERS, NY
Date Collected: 05/16/18 09:00
Date Received: 05/16/18
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	16500		mg/kg	8.46	2.28	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Antimony, Total	0.575	J	mg/kg	4.23	0.321	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Arsenic, Total	3.72		mg/kg	0.846	0.176	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Barium, Total	76.7		mg/kg	0.846	0.147	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Beryllium, Total	0.448		mg/kg	0.423	0.028	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Cadmium, Total	0.583	J	mg/kg	0.846	0.083	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Calcium, Total	1680		mg/kg	8.46	2.96	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Chromium, Total	45.0		mg/kg	0.846	0.081	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Cobalt, Total	11.8		mg/kg	1.69	0.140	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Copper, Total	40.8		mg/kg	0.846	0.218	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Iron, Total	24100		mg/kg	4.23	0.764	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Lead, Total	10.9		mg/kg	4.23	0.227	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Magnesium, Total	5140		mg/kg	8.46	1.30	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Manganese, Total	720		mg/kg	0.846	0.134	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Mercury, Total	0.024	J	mg/kg	0.071	0.015	1	05/19/18 10:20	05/19/18 15:03	EPA 7471B	1,7471B	BV
Nickel, Total	25.8		mg/kg	2.11	0.205	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Potassium, Total	916		mg/kg	211	12.2	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Selenium, Total	0.955	J	mg/kg	1.69	0.218	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.846	0.239	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Sodium, Total	778		mg/kg	169	2.66	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	1.69	0.266	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Vanadium, Total	46.0		mg/kg	0.846	0.172	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC
Zinc, Total	35.2		mg/kg	4.23	0.248	2	05/21/18 10:10	05/22/18 01:32	EPA 3050B	1,6010C	MC

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-03
Client ID: SW-3A-006
Sample Location: YONKERS, NY
Date Collected: 05/16/18 13:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	20600		mg/kg	8.70	2.35	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Antimony, Total	0.748	J	mg/kg	4.35	0.330	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Arsenic, Total	4.10		mg/kg	0.870	0.181	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Barium, Total	144		mg/kg	0.870	0.151	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Beryllium, Total	0.539		mg/kg	0.435	0.029	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Cadmium, Total	0.809	J	mg/kg	0.870	0.085	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Calcium, Total	3540		mg/kg	8.70	3.04	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Chromium, Total	56.4		mg/kg	0.870	0.084	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Cobalt, Total	13.7		mg/kg	1.74	0.144	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Copper, Total	53.7		mg/kg	0.870	0.224	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Iron, Total	24100		mg/kg	4.35	0.785	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Lead, Total	57.4		mg/kg	4.35	0.233	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Magnesium, Total	4760		mg/kg	8.70	1.34	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Manganese, Total	1050		mg/kg	0.870	0.138	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Mercury, Total	0.095		mg/kg	0.072	0.015	1	05/19/18 10:20	05/19/18 15:04	EPA 7471B	1,7471B	BV
Nickel, Total	29.4		mg/kg	2.17	0.210	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Potassium, Total	1250		mg/kg	217	12.5	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Selenium, Total	1.12	J	mg/kg	1.74	0.224	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.870	0.246	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Sodium, Total	729		mg/kg	174	2.74	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	1.74	0.274	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Vanadium, Total	46.8		mg/kg	0.870	0.176	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC
Zinc, Total	76.2		mg/kg	4.35	0.255	2	05/21/18 10:10	05/22/18 01:37	EPA 3050B	1,6010C	MC

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

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): 01,03 Batch: WG1117533-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	05/19/18 10:20	05/19/18 14:35	1,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03 Batch: WG1117542-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Iron, Total	0.476	J	mg/kg	2.00	0.361	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Potassium, Total	ND		mg/kg	100	5.76	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Sodium, Total	ND		mg/kg	80.0	1.26	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/21/18 10:10	05/22/18 00:07	1,6010C	MC

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1817959

Report Date: 05/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 Batch: WG1117533-2 SRM Lot Number: D098-540								
Mercury, Total	103		-		50-149	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1817959

Report Date: 05/23/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 Batch: WG1117542-2 SRM Lot Number: D098-540					
Aluminum, Total	81	-	47-153	-	
Antimony, Total	158	-	6-194	-	
Arsenic, Total	105	-	83-117	-	
Barium, Total	96	-	82-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	96	-	82-117	-	
Calcium, Total	96	-	81-118	-	
Chromium, Total	99	-	83-119	-	
Cobalt, Total	96	-	84-116	-	
Copper, Total	102	-	84-116	-	
Iron, Total	109	-	60-140	-	
Lead, Total	99	-	82-117	-	
Magnesium, Total	92	-	76-124	-	
Manganese, Total	93	-	82-118	-	
Nickel, Total	95	-	82-117	-	
Potassium, Total	92	-	69-131	-	
Selenium, Total	106	-	78-121	-	
Silver, Total	106	-	80-120	-	
Sodium, Total	93	-	74-126	-	
Thallium, Total	97	-	80-119	-	
Vanadium, Total	100	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1817959

Report Date: 05/23/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 Batch: WG1117542-2 SRM Lot Number: D098-540					
Zinc, Total	100	-	81-119	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

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): 01,03 QC Batch ID: WG1117533-3 QC Sample: L1818191-07 Client ID: MS Sample												
Mercury, Total	0.028J	0.154	0.187	**121**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

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): 01,03 QC Batch ID: WG1117542-3 QC Sample: L1817807-01 Client ID: MS Sample										
Aluminum, Total	7710	173	9060	**781**	Q	-	-	75-125	-	20
Antimony, Total	1.01J	43.2	38.7	90		-	-	75-125	-	20
Arsenic, Total	3.94	10.4	13.6	93		-	-	75-125	-	20
Barium, Total	84.6	173	251	96		-	-	75-125	-	20
Beryllium, Total	0.514	4.32	4.37	89		-	-	75-125	-	20
Cadmium, Total	0.505J	4.41	4.82	109		-	-	75-125	-	20
Calcium, Total	1950	864	2860	105		-	-	75-125	-	20
Chromium, Total	15.8	17.3	33.3	101		-	-	75-125	-	20
Cobalt, Total	8.47	43.2	47.4	90		-	-	75-125	-	20
Copper, Total	19.6	21.6	39.5	92		-	-	75-125	-	20
Iron, Total	19700	86.4	21300	**1850**	Q	-	-	75-125	-	20
Lead, Total	28.3	44.1	65.4	84		-	-	75-125	-	20
Magnesium, Total	4340	864	5990	**191**	Q	-	-	75-125	-	20
Manganese, Total	229.	43.2	280	118		-	-	75-125	-	20
Nickel, Total	18.4	43.2	58.6	93		-	-	75-125	-	20
Potassium, Total	1480	864	2710	**142**	Q	-	-	75-125	-	20
Selenium, Total	0.670J	10.4	10.4	100		-	-	75-125	-	20
Silver, Total	ND	25.9	25.3	98		-	-	75-125	-	20
Sodium, Total	121.J	864	969	112		-	-	75-125	-	20
Thallium, Total	ND	10.4	9.20	89		-	-	75-125	-	20
Vanadium, Total	21.2	43.2	65.0	101		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

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): 01,03 QC Batch ID: WG1117542-3 QC Sample: L1817807-01 Client ID: MS Sample									
Zinc, Total	58.8	43.2	99.8	95	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1117533-4 QC Sample: L1818191-07 Client ID: DUP Sample						
Mercury, Total	0.028J	0.020J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1117542-4 QC Sample: L1817807-01 Client ID: DUP Sample						
Aluminum, Total	7710	8480	mg/kg	10		20
Antimony, Total	1.01J	ND	mg/kg	NC		20
Arsenic, Total	3.94	3.25	mg/kg	19		20
Barium, Total	84.6	103	mg/kg	20		20
Beryllium, Total	0.514	0.553	mg/kg	7		20
Cadmium, Total	0.505J	0.527J	mg/kg	NC		20
Calcium, Total	1950	2140	mg/kg	9		20
Chromium, Total	15.8	17.6	mg/kg	11		20
Cobalt, Total	8.47	9.59	mg/kg	12		20
Copper, Total	19.6	17.4	mg/kg	12		20
Iron, Total	19700	21800	mg/kg	10		20
Lead, Total	28.3	17.2	mg/kg	**49**	Q	20
Magnesium, Total	4340	5320	mg/kg	20		20
Manganese, Total	229.	309	mg/kg	**30**	Q	20
Nickel, Total	18.4	20.0	mg/kg	8		20
Potassium, Total	1480	1810	mg/kg	20		20
Selenium, Total	0.670J	0.613J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	121.J	143J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1117542-4 QC Sample: L1817807-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	21.2	24.0	mg/kg	12	20
Zinc, Total	58.8	56.1	mg/kg	5	20

INORGANICS
&
MISCELLANEOUS

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-01
Client ID: FS-3A-015 (A5)
Sample Location: YONKERS, NY

Date Collected: 05/16/18 09:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	ND		mg/kg	0.891	0.178	1	05/18/18 04:47	05/18/18 13:26	1,7196A	NH
pH	8.3		SU	-	NA	1	-	05/18/18 05:00	1,9045D	MA
Oxidation/Reduction Potential	110		mv	-	NA	1	-	05/18/18 05:00	68,1498	MA
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	05/17/18 08:03	121,2540G	RI

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

SAMPLE RESULTS

Lab ID: L1817959-03
Client ID: SW-3A-006
Sample Location: YONKERS, NY

Date Collected: 05/16/18 13:00
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	0.540	J	mg/kg	0.918	0.184	1	05/21/18 21:20	05/22/18 23:30	1,7196A	AJ
pH	8.5		SU	-	NA	1	-	05/22/18 04:10	1,9045D	MA
Oxidation/Reduction Potential	140		mv	-	NA	1	-	05/22/18 04:10	68,1498	MA
General Chemistry - Westborough Lab										
Solids, Total	87.1		%	0.100	NA	1	-	05/17/18 08:03	121,2540G	RI

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1817959
Report Date: 05/23/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab for sample(s): 01 Batch: WG1116652-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	05/18/18 04:47	05/18/18 13:26	1,7196A	NH
NJ Hexavalent Chromium - Westborough Lab for sample(s): 03 Batch: WG1118022-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	05/21/18 21:20	05/22/18 23:30	1,7196A	AJ

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1817959

Report Date: 05/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01		Batch: WG1116652-2					
Chromium, Hexavalent	**79**	Q	-		80-120	-		20
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01		Batch: WG1117070-1					
pH	100		-		99-101	-		
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01		Batch: WG1117073-1					
Oxidation/Reduction Potential	100		-		90-110	-		20
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 03		Batch: WG1118022-2					
Chromium, Hexavalent	82		-		80-120	-		20
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 03		Batch: WG1118101-1					
pH	100		-		99-101	-		
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 03		Batch: WG1118104-1					
Oxidation/Reduction Potential	99		-		90-110	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01 (A5)	QC Batch ID: WG1116652-4		QC Sample: L1817959-01			Client ID: FS-3A-015						
Chromium, Hexavalent	ND	1380	1460	106		-	-		75-125	-		20
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 03	QC Batch ID: WG1118022-4		QC Sample: L1817959-03			Client ID: SW-3A-006						
Chromium, Hexavalent	0.540J	902	876	97		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Hexavalent Chromium - Westborough Lab (A5) Associated sample(s): 01 QC Batch ID: WG1116652-6 QC Sample: L1817959-01 Client ID: FS-3A-015						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG1116680-1 QC Sample: L1817929-01 Client ID: DUP Sample						
Solids, Total	76.2	78.0	%	2		20
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1117070-2 QC Sample: L1817849-01 Client ID: DUP Sample						
pH	7.5	7.5	SU	0		5
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1117073-2 QC Sample: L1817849-01 Client ID: DUP Sample						
Oxidation/Reduction Potential	150	160	mv	6		20
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1118022-6 QC Sample: L1817959-03 Client ID: SW-3A-006						
Chromium, Hexavalent	0.540J	0.677J	mg/kg	NC		20
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1118101-2 QC Sample: L1818572-02 Client ID: DUP Sample						
pH	7.6	7.7	SU	1		5
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1118104-2 QC Sample: L1818572-02 Client ID: DUP Sample						
Oxidation/Reduction Potential	88.	88	mv	0		20

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

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(*)
L1817959-01A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NJ-8260HLW(14)
L1817959-01B	Vial water preserved	A	NA		3.3	Y	Absent	17-MAY-18 08:56	NJ-8260HLW(14)
L1817959-01C	Vial water preserved	A	NA		3.3	Y	Absent	17-MAY-18 08:56	NJ-8260HLW(14)
L1817959-01D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L1817959-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	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)
L1817959-01F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1817959-01G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1817959-02A	Vial MeOH preserved	A	NA		3.3	Y	Absent		HOLD-8260(14)
L1817959-02B	Vial water preserved	A	NA		3.3	Y	Absent	17-MAY-18 08:56	HOLD-8260(14)
L1817959-02C	Vial water preserved	A	NA		3.3	Y	Absent	17-MAY-18 08:56	HOLD-8260(14)
L1817959-02D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		HOLD-WETCHEM()
L1817959-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		HOLD-METAL(180)
L1817959-02F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		HOLD-WETCHEM(),HOLD-8270(14)
L1817959-02G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		HOLD-WETCHEM(),HOLD-8270(14)
L1817959-03A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NJ-8260HLW(14)
L1817959-03B	Vial water preserved	A	NA		3.3	Y	Absent	17-MAY-18 08:56	NJ-8260HLW(14)
L1817959-03C	Vial water preserved	A	NA		3.3	Y	Absent	17-MAY-18 08:56	NJ-8260HLW(14)
L1817959-03D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1817959
Report Date: 05/23/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1817959-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	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)
L1817959-03F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1817959-03G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)

*Values in parentheses indicate holding time in days

Project Name:	CPG III A	**Lab Number:**	L1817959
Project Number:	15.5268	**Report Date:**	05/23/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
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.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG III A	**Lab Number:**	L1817959
Project Number:	15.5268	**Report Date:**	05/23/18

Data Qualifiers

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.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. 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).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG III A	**Lab Number:**	L1817959
Project Number:	15.5268	**Report Date:**	05/23/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

68 Annual Book of ASTM (American Society for Testing and Materials) Standards following extraction by SW-846 EPA Method 9045C under the requirements of MADEP BWSC, WSC-CAM-VIB. August 2004.

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: 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 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; 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, SM4500CI-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**, EPA 351.1, 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 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, 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, Pb, Mn, Ni, Se, Ag, 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 ANALYTICAL

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: 5/17/18

ALPHA Job #: L1817959

Client Information
Client: CT Male Associates
Address: 50 Century Hill Dr.
Latham, NY 12110
Phone: (518) 786-7400
Fax: (518) 78-7299
Email: K.meline@ctmale.com

Project Information
Project Name: CPG III A
Project Location: Yonkers, NY
Project #: 15.5268
(Use Project name as Project #) ☐
Project Manager: Kirk Meline
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

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.

ANALYSIS

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	TCL VOC	TCL SVOC	TAL Metals	HEXCR	Total Hg Metals	Sample Specific Comments	Total # Bottles
17959-01	BS-3A-015 (A5)	5-16-18	0900	Soil	KD	4	1	1	1	1	SVOC and TAL	7
-02	SW-3A-005	5-16-18	0900	Soil	KD	↓	↓	↓	↓	↓	metals in combined	7
-03	SW-3A-006	5-16-18	1300	Soil	KD	↓	↓	↓	↓	↓	jar.	7

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

Container Type	✓	A	A	A	A			
Preservative	F	A	A	A	A			

Relinquished By:	Date/Time	Received By:	Date/Time
	5-16-18 16:45		5/16/18 16:45
	5/16/18 18:21	Daniel Santos AAL	5/16/18 18:50
Daniel Santos AAL	5/16/18 23:59		5/17/18 08:00

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Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1841313
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Kirk Moline
Phone:	(518) 786-7400
Project Name:	CPG III
Project Number:	15.5268
Report Date:	10/18/18

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

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1841313-01	FS-3A-54-H8	SOIL	YONKERS, NY	10/11/18 08:40	10/11/18
L1841313-02	SW-3A-26	SOIL	YONKERS, NY	10/11/18 08:50	10/11/18
L1841313-03	FS-3A-55-G8	SOIL	YONKERS, NY	10/11/18 09:10	10/11/18
L1841313-04	SW-3A-27	SOIL	YONKERS, NY	10/11/18 09:40	10/11/18
L1841313-05	FS-3A-56-F8	SOIL	YONKERS, NY	10/11/18 09:50	10/11/18
L1841313-06	SW-3A-28	SOIL	YONKERS, NY	10/11/18 10:00	10/11/18
L1841313-07	FD01-3A-181011	SOIL	YONKERS, NY	10/11/18 00:00	10/11/18

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	CPG III	**Lab Number:**	L1841313
Project Number:	15.5268	**Report Date:**	10/18/18

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

WG1169110-6/-7: One or more compounds failed to meet the recovery and/or RPD limits. Please refer to the QC section of the report for specific details.

Semivolatile Organics

WG1167900-2/-3, WG1167900-4/-5: One or more compounds failed to meet the recovery and/or RPD limits. Difficult analytes may recover at less than 10% recovery, where applicable. Please refer to the QC section of the report for specific details.

Total Metals

L1841313-01 through -07: 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.

The WG1168629-3/-4 MS/MSD recoveries for aluminum (55%/432%), calcium (0%/0%), iron (2550%/4210%), lead (0%/0%), magnesium (0%/0%), and manganese (581%/841%), performed on L1841313-02, do not apply because the sample concentrations are greater than four times the spike amounts added. The MS/MSD RPDs for calcium (22%) and manganese (25%) are above the acceptance criteria.

The WG1168629-3/-4 MS/MSD recoveries, performed on L1841313-02, are outside the acceptance criteria for copper (MS 67%) and zinc (0%/0%). A post digestion spike was performed and was within acceptance criteria.

The WG1168629-4 MSD recovery, performed on L1841313-02, is outside the acceptance criteria for thallium (74%). A post digestion spike was performed and yielded an unacceptable recovery of 78%. The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1169097-3 MS recovery, performed on L1841313-02, is outside the acceptance criteria for mercury

Project Name: CPG III **Lab Number:** L1841313
Project Number: 15.5268 **Report Date:** 10/18/18

Case Narrative (continued)

(261%). A post digestion spike was performed and was within acceptance criteria. The MS/MSD RPD for mercury (72%) is above the acceptance criteria.

Hexavalent Chromium

The WG1168311-4/-5 MS/MSD RPD (81%), performed on L1841313-02, is above the acceptance criteria.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 10/18/18

ORGANICS

VOLATILES

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-01
Client ID: FS-3A-54-H8
Sample Location: YONKERS, NY

Date Collected: 10/11/18 08:40
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/17/18 15:37
Analyst: KJD
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0028	0.00094	1
1,4-Dioxane	ND		mg/kg	0.094	0.033	1
1,2-Dibromoethane	ND		mg/kg	0.00094	0.00026	1
Methylene chloride	ND		mg/kg	0.0047	0.0022	1
1,1-Dichloroethane	ND		mg/kg	0.00094	0.00014	1
Chloroform	ND		mg/kg	0.0014	0.00013	1
Carbon tetrachloride	ND		mg/kg	0.00094	0.00022	1
1,2-Dichloropropane	ND		mg/kg	0.00094	0.00012	1
Dibromochloromethane	ND		mg/kg	0.00094	0.00013	1
1,1,2-Trichloroethane	ND		mg/kg	0.00094	0.00025	1
Tetrachloroethene	ND		mg/kg	0.00047	0.00018	1
Chlorobenzene	ND		mg/kg	0.00047	0.00012	1
Trichlorofluoromethane	ND		mg/kg	0.0038	0.00065	1
1,2-Dichloroethane	ND		mg/kg	0.00094	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.00047	0.00016	1
Bromodichloromethane	ND		mg/kg	0.00047	0.00010	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00094	0.00026	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00047	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00047	0.00015	1
Bromoform	ND		mg/kg	0.0038	0.00023	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00047	0.00016	1
Benzene	ND		mg/kg	0.00047	0.00016	1
Toluene	ND		mg/kg	0.00094	0.00051	1
Ethylbenzene	ND		mg/kg	0.00094	0.00013	1
Chloromethane	ND		mg/kg	0.0038	0.00088	1
Bromomethane	ND		mg/kg	0.0019	0.00055	1
Vinyl chloride	ND		mg/kg	0.00094	0.00032	1
Chloroethane	ND		mg/kg	0.0019	0.00042	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-01
Client ID: FS-3A-54-H8
Sample Location: YONKERS, NY
Date Collected: 10/11/18 08:40
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00094	0.00022	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0014	0.00013	1
Trichloroethene	ND		mg/kg	0.00047	0.00013	1
1,2-Dichlorobenzene	ND		mg/kg	0.0019	0.00014	1
1,3-Dichlorobenzene	ND		mg/kg	0.0019	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0019	0.00016	1
Methyl tert butyl ether	ND		mg/kg	0.0019	0.00019	1
p/m-Xylene	ND		mg/kg	0.0019	0.00053	1
o-Xylene	ND		mg/kg	0.00094	0.00027	1
Xylene (Total)	ND		mg/kg	0.00094	0.00027	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00094	0.00016	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00094	0.00013	1
Styrene	ND		mg/kg	0.00094	0.00018	1
Dichlorodifluoromethane	ND		mg/kg	0.0094	0.00086	1
Acetone	0.0094		mg/kg	0.0094	0.0045	1
Carbon disulfide	ND		mg/kg	0.0094	0.0043	1
2-Butanone	ND		mg/kg	0.0094	0.0021	1
4-Methyl-2-pentanone	ND		mg/kg	0.0094	0.0012	1
2-Hexanone	ND		mg/kg	0.0094	0.0011	1
Bromochloromethane	ND		mg/kg	0.0019	0.00019	1
Isopropylbenzene	ND		mg/kg	0.00094	0.00010	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0019	0.00030	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0019	0.00026	1
Methyl Acetate	ND		mg/kg	0.0038	0.00089	1
Cyclohexane	ND		mg/kg	0.0094	0.00051	1
Methyl cyclohexane	ND		mg/kg	0.0038	0.00057	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0038	0.00065	1

Tentatively Identified Compounds				
Total TIC Compounds	0.015	J	mg/kg	1
Butane, 2-Methyl-	0.002	NJ	mg/kg	1
Unknown	0.013	J	mg/kg	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-01 Date Collected: 10/11/18 08:40

Client ID: FS-3A-54-H8 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-02
Client ID: SW-3A-26
Sample Location: YONKERS, NY

Date Collected: 10/11/18 08:50
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/17/18 18:14
Analyst: KJD
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0026	0.00085	1
1,4-Dioxane	ND		mg/kg	0.086	0.030	1
1,2-Dibromoethane	ND		mg/kg	0.00086	0.00024	1
Methylene chloride	ND		mg/kg	0.0043	0.0020	1
1,1-Dichloroethane	ND		mg/kg	0.00086	0.00012	1
Chloroform	ND		mg/kg	0.0013	0.00012	1
Carbon tetrachloride	ND		mg/kg	0.00086	0.00020	1
1,2-Dichloropropane	ND		mg/kg	0.00086	0.00011	1
Dibromochloromethane	ND		mg/kg	0.00086	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.00086	0.00023	1
Tetrachloroethene	ND		mg/kg	0.00043	0.00017	1
Chlorobenzene	ND		mg/kg	0.00043	0.00011	1
Trichlorofluoromethane	ND		mg/kg	0.0034	0.00059	1
1,2-Dichloroethane	ND		mg/kg	0.00086	0.00022	1
1,1,1-Trichloroethane	ND		mg/kg	0.00043	0.00014	1
Bromodichloromethane	ND		mg/kg	0.00043	0.00009	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00086	0.00023	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00043	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00043	0.00014	1
Bromoform	ND		mg/kg	0.0034	0.00021	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00043	0.00014	1
Benzene	ND		mg/kg	0.00043	0.00014	1
Toluene	ND		mg/kg	0.00086	0.00046	1
Ethylbenzene	ND		mg/kg	0.00086	0.00012	1
Chloromethane	ND		mg/kg	0.0034	0.00080	1
Bromomethane	ND		mg/kg	0.0017	0.00050	1
Vinyl chloride	ND		mg/kg	0.00086	0.00029	1
Chloroethane	ND		mg/kg	0.0017	0.00039	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-02 Date Collected: 10/11/18 08:50

Client ID: SW-3A-26 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00086	0.00020	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0013	0.00012	1
Trichloroethene	ND		mg/kg	0.00043	0.00012	1
1,2-Dichlorobenzene	ND		mg/kg	0.0017	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0017	0.00013	1
1,4-Dichlorobenzene	ND		mg/kg	0.0017	0.00015	1
Methyl tert butyl ether	ND		mg/kg	0.0017	0.00017	1
p/m-Xylene	ND		mg/kg	0.0017	0.00048	1
o-Xylene	ND		mg/kg	0.00086	0.00025	1
Xylene (Total)	ND		mg/kg	0.00086	0.00025	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00086	0.00015	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00086	0.00012	1
Styrene	ND		mg/kg	0.00086	0.00017	1
Dichlorodifluoromethane	ND		mg/kg	0.0086	0.00078	1
Acetone	0.024		mg/kg	0.0086	0.0041	1
Carbon disulfide	ND		mg/kg	0.0086	0.0039	1
2-Butanone	ND		mg/kg	0.0086	0.0019	1
4-Methyl-2-pentanone	ND		mg/kg	0.0086	0.0011	1
2-Hexanone	ND		mg/kg	0.0086	0.0010	1
Bromochloromethane	ND		mg/kg	0.0017	0.00018	1
Isopropylbenzene	ND		mg/kg	0.00086	0.00009	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0017	0.00028	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0017	0.00023	1
Methyl Acetate	ND		mg/kg	0.0034	0.00081	1
Cyclohexane	ND		mg/kg	0.0086	0.00046	1
Methyl cyclohexane	ND		mg/kg	0.0034	0.00052	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0034	0.00059	1

Tentatively Identified Compounds				
Total TIC Compounds	0.044	J	mg/kg	1
Unknown	0.004	J	mg/kg	1
Butane, 2-Methyl-	0.005	NJ	mg/kg	1
Unknown	0.035	J	mg/kg	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-02
Client ID: SW-3A-26
Sample Location: YONKERS, NY
Date Collected: 10/11/18 08:50
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-03
Client ID: FS-3A-55-G8
Sample Location: YONKERS, NY

Date Collected: 10/11/18 09:10
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/17/18 16:03
Analyst: KJD
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0028	0.00092	1
1,4-Dioxane	ND		mg/kg	0.092	0.032	1
1,2-Dibromoethane	ND		mg/kg	0.00092	0.00026	1
Methylene chloride	ND		mg/kg	0.0046	0.0021	1
1,1-Dichloroethane	ND		mg/kg	0.00092	0.00013	1
Chloroform	ND		mg/kg	0.0014	0.00013	1
Carbon tetrachloride	ND		mg/kg	0.00092	0.00021	1
1,2-Dichloropropane	ND		mg/kg	0.00092	0.00012	1
Dibromochloromethane	ND		mg/kg	0.00092	0.00013	1
1,1,2-Trichloroethane	ND		mg/kg	0.00092	0.00025	1
Tetrachloroethene	ND		mg/kg	0.00046	0.00018	1
Chlorobenzene	ND		mg/kg	0.00046	0.00012	1
Trichlorofluoromethane	ND		mg/kg	0.0037	0.00064	1
1,2-Dichloroethane	ND		mg/kg	0.00092	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.00046	0.00015	1
Bromodichloromethane	ND		mg/kg	0.00046	0.00010	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00092	0.00025	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00046	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00046	0.00014	1
Bromoform	ND		mg/kg	0.0037	0.00023	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00046	0.00015	1
Benzene	ND		mg/kg	0.00046	0.00015	1
Toluene	ND		mg/kg	0.00092	0.00050	1
Ethylbenzene	ND		mg/kg	0.00092	0.00013	1
Chloromethane	ND		mg/kg	0.0037	0.00086	1
Bromomethane	ND		mg/kg	0.0018	0.00054	1
Vinyl chloride	ND		mg/kg	0.00092	0.00031	1
Chloroethane	ND		mg/kg	0.0018	0.00042	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-03
Client ID: FS-3A-55-G8
Sample Location: YONKERS, NY
Date Collected: 10/11/18 09:10
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00092	0.00022	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0014	0.00013	1
Trichloroethene	ND		mg/kg	0.00046	0.00013	1
1,2-Dichlorobenzene	ND		mg/kg	0.0018	0.00013	1
1,3-Dichlorobenzene	ND		mg/kg	0.0018	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0018	0.00016	1
Methyl tert butyl ether	ND		mg/kg	0.0018	0.00018	1
p/m-Xylene	ND		mg/kg	0.0018	0.00052	1
o-Xylene	ND		mg/kg	0.00092	0.00027	1
Xylene (Total)	ND		mg/kg	0.00092	0.00027	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00092	0.00016	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00092	0.00013	1
Styrene	ND		mg/kg	0.00092	0.00018	1
Dichlorodifluoromethane	ND		mg/kg	0.0092	0.00084	1
Acetone	ND		mg/kg	0.0092	0.0044	1
Carbon disulfide	ND		mg/kg	0.0092	0.0042	1
2-Butanone	ND		mg/kg	0.0092	0.0020	1
4-Methyl-2-pentanone	ND		mg/kg	0.0092	0.0012	1
2-Hexanone	ND		mg/kg	0.0092	0.0011	1
Bromochloromethane	ND		mg/kg	0.0018	0.00019	1
Isopropylbenzene	ND		mg/kg	0.00092	0.00010	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0018	0.00030	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0018	0.00025	1
Methyl Acetate	ND		mg/kg	0.0037	0.00088	1
Cyclohexane	ND		mg/kg	0.0092	0.00050	1
Methyl cyclohexane	ND		mg/kg	0.0037	0.00056	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0037	0.00064	1

Tentatively Identified Compounds				
Total TIC Compounds	0.010	J	mg/kg	1
Unknown	0.010	J	mg/kg	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-03
Client ID: FS-3A-55-G8
Sample Location: YONKERS, NY
Date Collected: 10/11/18 09:10
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-04
Client ID: SW-3A-27
Sample Location: YONKERS, NY

Date Collected: 10/11/18 09:40
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/17/18 16:29
Analyst: KJD
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0025	0.00082	1
1,4-Dioxane	ND		mg/kg	0.082	0.029	1
1,2-Dibromoethane	ND		mg/kg	0.00082	0.00023	1
Methylene chloride	ND		mg/kg	0.0041	0.0019	1
1,1-Dichloroethane	ND		mg/kg	0.00082	0.00012	1
Chloroform	ND		mg/kg	0.0012	0.00012	1
Carbon tetrachloride	ND		mg/kg	0.00082	0.00019	1
1,2-Dichloropropane	ND		mg/kg	0.00082	0.00010	1
Dibromochloromethane	ND		mg/kg	0.00082	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.00082	0.00022	1
Tetrachloroethene	ND		mg/kg	0.00041	0.00016	1
Chlorobenzene	ND		mg/kg	0.00041	0.00010	1
Trichlorofluoromethane	ND		mg/kg	0.0033	0.00057	1
1,2-Dichloroethane	ND		mg/kg	0.00082	0.00021	1
1,1,1-Trichloroethane	ND		mg/kg	0.00041	0.00014	1
Bromodichloromethane	ND		mg/kg	0.00041	0.00009	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00082	0.00022	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00041	0.00013	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00041	0.00013	1
Bromoform	ND		mg/kg	0.0033	0.00020	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00041	0.00014	1
Benzene	ND		mg/kg	0.00041	0.00014	1
Toluene	ND		mg/kg	0.00082	0.00045	1
Ethylbenzene	ND		mg/kg	0.00082	0.00012	1
Chloromethane	ND		mg/kg	0.0033	0.00077	1
Bromomethane	ND		mg/kg	0.0016	0.00048	1
Vinyl chloride	ND		mg/kg	0.00082	0.00028	1
Chloroethane	ND		mg/kg	0.0016	0.00037	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-04
Client ID: SW-3A-27
Sample Location: YONKERS, NY
Date Collected: 10/11/18 09:40
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00082	0.00020	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00011	1
Trichloroethene	ND		mg/kg	0.00041	0.00011	1
1,2-Dichlorobenzene	ND		mg/kg	0.0016	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0016	0.00012	1
1,4-Dichlorobenzene	ND		mg/kg	0.0016	0.00014	1
Methyl tert butyl ether	ND		mg/kg	0.0016	0.00016	1
p/m-Xylene	ND		mg/kg	0.0016	0.00046	1
o-Xylene	ND		mg/kg	0.00082	0.00024	1
Xylene (Total)	ND		mg/kg	0.00082	0.00024	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00082	0.00014	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00082	0.00011	1
Styrene	ND		mg/kg	0.00082	0.00016	1
Dichlorodifluoromethane	ND		mg/kg	0.0082	0.00075	1
Acetone	ND		mg/kg	0.0082	0.0040	1
Carbon disulfide	ND		mg/kg	0.0082	0.0037	1
2-Butanone	ND		mg/kg	0.0082	0.0018	1
4-Methyl-2-pentanone	ND		mg/kg	0.0082	0.0010	1
2-Hexanone	ND		mg/kg	0.0082	0.00097	1
Bromochloromethane	ND		mg/kg	0.0016	0.00017	1
Isopropylbenzene	ND		mg/kg	0.00082	0.00009	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0016	0.00026	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0016	0.00022	1
Methyl Acetate	ND		mg/kg	0.0033	0.00078	1
Cyclohexane	ND		mg/kg	0.0082	0.00045	1
Methyl cyclohexane	ND		mg/kg	0.0033	0.00050	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0033	0.00057	1

Tentatively Identified Compounds				
Total TIC Compounds	0.002	J	mg/kg	1
Unknown	0.002	J	mg/kg	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-04 Date Collected: 10/11/18 09:40

Client ID: SW-3A-27 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-05
Client ID: FS-3A-56-F8
Sample Location: YONKERS, NY

Date Collected: 10/11/18 09:50
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/17/18 16:56
Analyst: KJD
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0026	0.00086	1
1,4-Dioxane	ND		mg/kg	0.086	0.030	1
1,2-Dibromoethane	ND		mg/kg	0.00086	0.00024	1
Methylene chloride	ND		mg/kg	0.0043	0.0020	1
1,1-Dichloroethane	ND		mg/kg	0.00086	0.00012	1
Chloroform	ND		mg/kg	0.0013	0.00012	1
Carbon tetrachloride	ND		mg/kg	0.00086	0.00020	1
1,2-Dichloropropane	ND		mg/kg	0.00086	0.00011	1
Dibromochloromethane	ND		mg/kg	0.00086	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.00086	0.00023	1
Tetrachloroethene	ND		mg/kg	0.00043	0.00017	1
Chlorobenzene	ND		mg/kg	0.00043	0.00011	1
Trichlorofluoromethane	ND		mg/kg	0.0034	0.00060	1
1,2-Dichloroethane	ND		mg/kg	0.00086	0.00022	1
1,1,1-Trichloroethane	ND		mg/kg	0.00043	0.00014	1
Bromodichloromethane	ND		mg/kg	0.00043	0.00009	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00086	0.00023	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00043	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00043	0.00014	1
Bromoform	ND		mg/kg	0.0034	0.00021	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00043	0.00014	1
Benzene	ND		mg/kg	0.00043	0.00014	1
Toluene	ND		mg/kg	0.00086	0.00047	1
Ethylbenzene	ND		mg/kg	0.00086	0.00012	1
Chloromethane	ND		mg/kg	0.0034	0.00080	1
Bromomethane	ND		mg/kg	0.0017	0.00050	1
Vinyl chloride	ND		mg/kg	0.00086	0.00029	1
Chloroethane	ND		mg/kg	0.0017	0.00039	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-05 Date Collected: 10/11/18 09:50

Client ID: FS-3A-56-F8 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00086	0.00020	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0013	0.00012	1
Trichloroethene	ND		mg/kg	0.00043	0.00012	1
1,2-Dichlorobenzene	ND		mg/kg	0.0017	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0017	0.00013	1
1,4-Dichlorobenzene	ND		mg/kg	0.0017	0.00015	1
Methyl tert butyl ether	ND		mg/kg	0.0017	0.00017	1
p/m-Xylene	ND		mg/kg	0.0017	0.00048	1
o-Xylene	ND		mg/kg	0.00086	0.00025	1
Xylene (Total)	ND		mg/kg	0.00086	0.00025	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00086	0.00015	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00086	0.00012	1
Styrene	ND		mg/kg	0.00086	0.00017	1
Dichlorodifluoromethane	ND		mg/kg	0.0086	0.00079	1
Acetone	0.037		mg/kg	0.0086	0.0041	1
Carbon disulfide	ND		mg/kg	0.0086	0.0039	1
2-Butanone	ND		mg/kg	0.0086	0.0019	1
4-Methyl-2-pentanone	ND		mg/kg	0.0086	0.0011	1
2-Hexanone	ND		mg/kg	0.0086	0.0010	1
Bromochloromethane	ND		mg/kg	0.0017	0.00018	1
Isopropylbenzene	ND		mg/kg	0.00086	0.00009	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0017	0.00028	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0017	0.00023	1
Methyl Acetate	ND		mg/kg	0.0034	0.00082	1
Cyclohexane	ND		mg/kg	0.0086	0.00047	1
Methyl cyclohexane	ND		mg/kg	0.0034	0.00052	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0034	0.00060	1

Tentatively Identified Compounds				
Total TIC Compounds	0.022	J	mg/kg	1
Unknown Alkane	0.018	J	mg/kg	1
n-Hexane	0.002	NJ	mg/kg	1
Butane, 2-Methyl-	0.003	NJ	mg/kg	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-05 Date Collected: 10/11/18 09:50

Client ID: FS-3A-56-F8 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-06
Client ID: SW-3A-28
Sample Location: YONKERS, NY

Date Collected: 10/11/18 10:00
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/17/18 17:22
Analyst: KJD
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0025	0.00083	1
1,4-Dioxane	ND		mg/kg	0.083	0.029	1
1,2-Dibromoethane	ND		mg/kg	0.00083	0.00023	1
Methylene chloride	ND		mg/kg	0.0042	0.0019	1
1,1-Dichloroethane	ND		mg/kg	0.00083	0.00012	1
Chloroform	ND		mg/kg	0.0012	0.00012	1
Carbon tetrachloride	ND		mg/kg	0.00083	0.00019	1
1,2-Dichloropropane	ND		mg/kg	0.00083	0.00010	1
Dibromochloromethane	ND		mg/kg	0.00083	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.00083	0.00022	1
Tetrachloroethene	ND		mg/kg	0.00042	0.00016	1
Chlorobenzene	ND		mg/kg	0.00042	0.00010	1
Trichlorofluoromethane	ND		mg/kg	0.0033	0.00058	1
1,2-Dichloroethane	ND		mg/kg	0.00083	0.00021	1
1,1,1-Trichloroethane	ND		mg/kg	0.00042	0.00014	1
Bromodichloromethane	ND		mg/kg	0.00042	0.00009	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00083	0.00023	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00042	0.00013	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00042	0.00013	1
Bromoform	ND		mg/kg	0.0033	0.00020	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00042	0.00014	1
Benzene	ND		mg/kg	0.00042	0.00014	1
Toluene	ND		mg/kg	0.00083	0.00045	1
Ethylbenzene	ND		mg/kg	0.00083	0.00012	1
Chloromethane	ND		mg/kg	0.0033	0.00077	1
Bromomethane	ND		mg/kg	0.0017	0.00048	1
Vinyl chloride	ND		mg/kg	0.00083	0.00028	1
Chloroethane	ND		mg/kg	0.0017	0.00038	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-06
Client ID: SW-3A-28
Sample Location: YONKERS, NY
Date Collected: 10/11/18 10:00
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00083	0.00020	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00011	1
Trichloroethene	ND		mg/kg	0.00042	0.00011	1
1,2-Dichlorobenzene	ND		mg/kg	0.0017	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0017	0.00012	1
1,4-Dichlorobenzene	ND		mg/kg	0.0017	0.00014	1
Methyl tert butyl ether	ND		mg/kg	0.0017	0.00017	1
p/m-Xylene	ND		mg/kg	0.0017	0.00046	1
o-Xylene	ND		mg/kg	0.00083	0.00024	1
Xylene (Total)	ND		mg/kg	0.00083	0.00024	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00083	0.00014	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00083	0.00011	1
Styrene	ND		mg/kg	0.00083	0.00016	1
Dichlorodifluoromethane	ND		mg/kg	0.0083	0.00076	1
Acetone	ND		mg/kg	0.0083	0.0040	1
Carbon disulfide	ND		mg/kg	0.0083	0.0038	1
2-Butanone	ND		mg/kg	0.0083	0.0018	1
4-Methyl-2-pentanone	ND		mg/kg	0.0083	0.0011	1
2-Hexanone	ND		mg/kg	0.0083	0.00098	1
Bromochloromethane	ND		mg/kg	0.0017	0.00017	1
Isopropylbenzene	ND		mg/kg	0.00083	0.00009	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0017	0.00027	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0017	0.00022	1
Methyl Acetate	ND		mg/kg	0.0033	0.00079	1
Cyclohexane	ND		mg/kg	0.0083	0.00045	1
Methyl cyclohexane	ND		mg/kg	0.0033	0.00050	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0033	0.00058	1

Tentatively Identified Compounds				
Total TIC Compounds	0.008	J	mg/kg	1
Unknown	0.008	J	mg/kg	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-06 Date Collected: 10/11/18 10:00

Client ID: SW-3A-28 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-07
Client ID: FD01-3A-181011
Sample Location: YONKERS, NY

Date Collected: 10/11/18 00:00
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/17/18 17:48
Analyst: KJD
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.00099	1
1,4-Dioxane	ND		mg/kg	0.099	0.035	1
1,2-Dibromoethane	ND		mg/kg	0.00099	0.00028	1
Methylene chloride	ND		mg/kg	0.0050	0.0023	1
1,1-Dichloroethane	ND		mg/kg	0.00099	0.00014	1
Chloroform	ND		mg/kg	0.0015	0.00014	1
Carbon tetrachloride	ND		mg/kg	0.00099	0.00023	1
1,2-Dichloropropane	ND		mg/kg	0.00099	0.00012	1
Dibromochloromethane	ND		mg/kg	0.00099	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.00099	0.00026	1
Tetrachloroethene	ND		mg/kg	0.00050	0.00019	1
Chlorobenzene	ND		mg/kg	0.00050	0.00012	1
Trichlorofluoromethane	ND		mg/kg	0.0040	0.00069	1
1,2-Dichloroethane	ND		mg/kg	0.00099	0.00025	1
1,1,1-Trichloroethane	ND		mg/kg	0.00050	0.00016	1
Bromodichloromethane	ND		mg/kg	0.00050	0.00011	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00099	0.00027	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00050	0.00016	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00050	0.00016	1
Bromoform	ND		mg/kg	0.0040	0.00024	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00016	1
Benzene	ND		mg/kg	0.00050	0.00016	1
Toluene	ND		mg/kg	0.00099	0.00054	1
Ethylbenzene	ND		mg/kg	0.00099	0.00014	1
Chloromethane	ND		mg/kg	0.0040	0.00092	1
Bromomethane	ND		mg/kg	0.0020	0.00058	1
Vinyl chloride	ND		mg/kg	0.00099	0.00033	1
Chloroethane	ND		mg/kg	0.0020	0.00045	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-07 Date Collected: 10/11/18 00:00

Client ID: FD01-3A-181011 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00099	0.00024	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00014	1
Trichloroethene	ND		mg/kg	0.00050	0.00014	1
1,2-Dichlorobenzene	ND		mg/kg	0.0020	0.00014	1
1,3-Dichlorobenzene	ND		mg/kg	0.0020	0.00015	1
1,4-Dichlorobenzene	ND		mg/kg	0.0020	0.00017	1
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020	1
p/m-Xylene	ND		mg/kg	0.0020	0.00056	1
o-Xylene	ND		mg/kg	0.00099	0.00029	1
Xylene (Total)	ND		mg/kg	0.00099	0.00029	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00099	0.00017	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00099	0.00014	1
Styrene	ND		mg/kg	0.00099	0.00019	1
Dichlorodifluoromethane	ND		mg/kg	0.0099	0.00091	1
Acetone	0.026		mg/kg	0.0099	0.0048	1
Carbon disulfide	ND		mg/kg	0.0099	0.0045	1
2-Butanone	ND		mg/kg	0.0099	0.0022	1
4-Methyl-2-pentanone	ND		mg/kg	0.0099	0.0013	1
2-Hexanone	ND		mg/kg	0.0099	0.0012	1
Bromochloromethane	ND		mg/kg	0.0020	0.00020	1
Isopropylbenzene	ND		mg/kg	0.00099	0.00011	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	0.00032	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	0.00027	1
Methyl Acetate	ND		mg/kg	0.0040	0.00094	1
Cyclohexane	ND		mg/kg	0.0099	0.00054	1
Methyl cyclohexane	ND		mg/kg	0.0040	0.00060	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0040	0.00069	1

Tentatively Identified Compounds				
Total TIC Compounds	0.049	J	mg/kg	1
Butane, 2-Methyl-	0.005	NJ	mg/kg	1
n-Hexane	0.004	NJ	mg/kg	1
Unknown	0.039	J	mg/kg	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-07 Date Collected: 10/11/18 00:00

Client ID: FD01-3A-181011 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/17/18 09:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-07 Batch: WG1169110-5					
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.0010
1,4-Dioxane	ND		mg/kg	0.10	0.035
1,2-Dibromoethane	ND		mg/kg	0.0010	0.00028
Methylene chloride	ND		mg/kg	0.0050	0.0023
1,1-Dichloroethane	ND		mg/kg	0.0010	0.00014
Chloroform	0.00014	J	mg/kg	0.0015	0.00014
Carbon tetrachloride	ND		mg/kg	0.0010	0.00023
1,2-Dichloropropane	ND		mg/kg	0.0010	0.00012
Dibromochloromethane	ND		mg/kg	0.0010	0.00014
1,1,2-Trichloroethane	ND		mg/kg	0.0010	0.00027
2-Chloroethylvinyl ether	ND		mg/kg	0.020	0.0016
Tetrachloroethene	ND		mg/kg	0.00050	0.00020
Chlorobenzene	ND		mg/kg	0.00050	0.00013
Trichlorofluoromethane	ND		mg/kg	0.0040	0.00070
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
1,1,1-Trichloroethane	ND		mg/kg	0.00050	0.00017
Bromodichloromethane	ND		mg/kg	0.00050	0.00011
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00027
cis-1,3-Dichloropropene	ND		mg/kg	0.00050	0.00016
1,3-Dichloropropene, Total	ND		mg/kg	0.00050	0.00016
1,1-Dichloropropene	ND		mg/kg	0.00050	0.00016
Bromoform	ND		mg/kg	0.0040	0.00025
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00017
Benzene	ND		mg/kg	0.00050	0.00017
Toluene	ND		mg/kg	0.0010	0.00054
Ethylbenzene	ND		mg/kg	0.0010	0.00014
Chloromethane	ND		mg/kg	0.0040	0.00093
Bromomethane	ND		mg/kg	0.0020	0.00058
Vinyl chloride	ND		mg/kg	0.0010	0.00034

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/17/18 09:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-07 Batch: WG1169110-5					
Chloroethane	ND		mg/kg	0.0020	0.00045
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00024
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00014
Trichloroethene	ND		mg/kg	0.00050	0.00014
1,2-Dichlorobenzene	ND		mg/kg	0.0020	0.00014
1,3-Dichlorobenzene	ND		mg/kg	0.0020	0.00015
1,4-Dichlorobenzene	ND		mg/kg	0.0020	0.00017
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylene (Total)	ND		mg/kg	0.0010	0.00029
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00018
1,2-Dichloroethene (total)	ND		mg/kg	0.0010	0.00014
Dibromomethane	ND		mg/kg	0.0020	0.00024
1,4-Dichlorobutane	ND		mg/kg	0.010	0.00023
1,2,3-Trichloropropane	ND		mg/kg	0.0020	0.00013
Styrene	ND		mg/kg	0.0010	0.00020
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00092
Acetone	ND		mg/kg	0.010	0.0048
Carbon disulfide	ND		mg/kg	0.010	0.0046
2-Butanone	ND		mg/kg	0.010	0.0022
Vinyl acetate	ND		mg/kg	0.010	0.0022
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.0013
2-Hexanone	ND		mg/kg	0.010	0.0012
Ethyl methacrylate	ND		mg/kg	0.010	0.0016
Acrolein	ND		mg/kg	0.025	0.0056
Acrylonitrile	ND		mg/kg	0.0040	0.0012
Bromochloromethane	ND		mg/kg	0.0020	0.00020
Tetrahydrofuran	ND		mg/kg	0.0040	0.0016

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/17/18 09:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-07 Batch: WG1169110-5					
2,2-Dichloropropane	ND		mg/kg	0.0020	0.00020
1,3-Dichloropropane	ND		mg/kg	0.0020	0.00017
1,1,1,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00013
Bromobenzene	ND		mg/kg	0.0020	0.00014
n-Butylbenzene	ND		mg/kg	0.0010	0.00017
sec-Butylbenzene	ND		mg/kg	0.0010	0.00015
tert-Butylbenzene	ND		mg/kg	0.0020	0.00012
o-Chlorotoluene	ND		mg/kg	0.0020	0.00019
p-Chlorotoluene	ND		mg/kg	0.0020	0.00011
Hexachlorobutadiene	ND		mg/kg	0.0040	0.00017
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
p-Isopropyltoluene	ND		mg/kg	0.0010	0.00011
Naphthalene	ND		mg/kg	0.0040	0.00065
n-Propylbenzene	ND		mg/kg	0.0010	0.00017
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	0.00032
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	0.00027
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
trans-1,4-Dichloro-2-butene	ND		mg/kg	0.0050	0.0014
Ethyl ether	ND		mg/kg	0.0020	0.00034
Methyl Acetate	ND		mg/kg	0.0040	0.00095
Ethyl Acetate	ND		mg/kg	0.010	0.0012
Isopropyl Ether	ND		mg/kg	0.0020	0.00021
Cyclohexane	ND		mg/kg	0.010	0.00054
tert-Butyl Alcohol	ND		mg/kg	0.020	0.0051
Ethyl-Tert-Butyl-Ether	ND		mg/kg	0.0020	0.00013
Tertiary-Amyl Methyl Ether	ND		mg/kg	0.0020	0.00018
Methyl cyclohexane	ND		mg/kg	0.0040	0.00060
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0040	0.00069

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/17/18 09:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-07 Batch: WG1169110-5					
1,2,4,5-Tetramethylbenzene	ND		mg/kg	0.0020	0.00019
1,4-Diethylbenzene	ND		mg/kg	0.0020	0.00018
4-Ethyltoluene	ND		mg/kg	0.0020	0.00038
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		mg/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1169110-3 WG1169110-4								
1,2-Dibromo-3-chloropropane	89		86		40-160	3		30
1,4-Dioxane	90		91		40-160	1		30
1,2-Dibromoethane	89		90		70-130	1		30
Methylene chloride	77		78		70-130	1		30
1,1-Dichloroethane	82		82		70-130	0		30
Chloroform	86		84		70-130	2		30
Carbon tetrachloride	82		82		70-130	0		30
1,2-Dichloropropane	86		86		70-130	0		30
Dibromochloromethane	87		88		70-130	1		30
1,1,2-Trichloroethane	88		90		70-130	2		30
2-Chloroethylvinyl ether	90		92		40-160	2		30
Tetrachloroethene	86		85		70-130	1		30
Chlorobenzene	85		86		70-130	1		30
Trichlorofluoromethane	79		77		40-160	3		30
1,2-Dichloroethane	86		87		70-130	1		30
1,1,1-Trichloroethane	84		84		70-130	0		30
Bromodichloromethane	85		88		70-130	3		30
trans-1,3-Dichloropropene	89		89		70-130	0		30
cis-1,3-Dichloropropene	89		90		40-160	1		30
1,1-Dichloropropene	82		82		70-130	0		30
Bromoform	86		86		40-160	0		30
1,1,2,2-Tetrachloroethane	91		90		40-160	1		30
Benzene	84		83		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1169110-3 WG1169110-4								
Toluene	82		82		70-130	0		30
Ethylbenzene	84		83		70-130	1		30
Chloromethane	80		79		40-160	1		30
Bromomethane	77		74		40-160	4		30
Vinyl chloride	77		76		70-130	1		30
Chloroethane	76		75		40-160	1		30
1,1-Dichloroethene	82		80		70-130	2		30
trans-1,2-Dichloroethene	82		83		70-130	1		30
Trichloroethene	82		83		70-130	1		30
1,2-Dichlorobenzene	86		85		70-130	1		30
1,3-Dichlorobenzene	87		86		70-130	1		30
1,4-Dichlorobenzene	86		85		70-130	1		30
Methyl tert butyl ether	90		90		70-130	0		30
p/m-Xylene	84		84		70-130	0		30
o-Xylene	86		86		70-130	0		30
cis-1,2-Dichloroethene	84		85		70-130	1		30
Dibromomethane	88		88		70-130	0		30
1,4-Dichlorobutane	86		85		70-130	1		30
1,2,3-Trichloropropane	86		86		70-130	0		30
Styrene	76		77		40-160	1		30
Dichlorodifluoromethane	76		76		40-160	0		30
Acetone	101		101		40-160	0		30
Carbon disulfide	76		76		40-160	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1169110-3 WG1169110-4								
2-Butanone	88		90		40-160	2		30
Vinyl acetate	82		84		70-130	2		30
4-Methyl-2-pentanone	85		84		40-160	1		30
2-Hexanone	90		85		40-160	6		30
Ethyl methacrylate	78		78		70-130	0		30
Acrolein	86		90		40-160	5		30
Acrylonitrile	89		90		70-130	1		30
Bromochloromethane	89		90		70-130	1		30
Tetrahydrofuran	92		87		70-130	6		30
2,2-Dichloropropane	85		83		40-160	2		30
1,3-Dichloropropane	90		88		70-130	2		30
1,1,1,2-Tetrachloroethane	88		88		70-130	0		30
Bromobenzene	86		86		70-130	0		30
n-Butylbenzene	84		82		70-130	2		30
sec-Butylbenzene	84		82		70-130	2		30
tert-Butylbenzene	84		83		70-130	1		30
o-Chlorotoluene	82		83		70-130	1		30
p-Chlorotoluene	85		83		70-130	2		30
Hexachlorobutadiene	88		84		70-130	5		30
Isopropylbenzene	83		83		70-130	0		30
p-Isopropyltoluene	85		84		70-130	1		30
Naphthalene	93		91		40-160	2		30
n-Propylbenzene	83		82		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1169110-3 WG1169110-4								
1,2,3-Trichlorobenzene	94		91		70-130	3		30
1,2,4-Trichlorobenzene	92		90		70-130	2		30
1,3,5-Trimethylbenzene	85		84		70-130	1		30
1,2,4-Trimethylbenzene	86		85		70-130	1		30
trans-1,4-Dichloro-2-butene	87		86		70-130	1		30
Ethyl ether	89		86		70-130	3		30
Methyl Acetate	90		95		70-130	5		30
Ethyl Acetate	93		91		70-130	2		30
Isopropyl Ether	86		86		70-130	0		30
Cyclohexane	76		76		70-130	0		30
tert-Butyl Alcohol	92		92		40-160	0		30
Ethyl-Tert-Butyl-Ether	89		90		70-130	1		30
Tertiary-Amyl Methyl Ether	90		92		70-130	2		30
Methyl cyclohexane	76		76		70-130	0		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	81		81		70-130	0		30
1,2,4,5-Tetramethylbenzene	86		85		70-130	1		30
1,4-Diethylbenzene	83		81		70-130	2		30
4-Ethyltoluene	84		84		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1169110-3 WG1169110-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	97		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1169110-6 WG1169110-7 QC Sample: L1841313-02 Client ID: SW-3A-26												
1,2-Dibromo-3-chloropropane	ND	0.0939	0.084	90		0.084	98		40-160	0		30
1,4-Dioxane	ND	4.69	5.7	121		4.0	93		40-160	**35**	Q	30
1,2-Dibromoethane	ND	0.0939	0.084	90		0.086	100		70-130	2		30
Methylene chloride	ND	0.0939	0.077	82		0.080	93		70-130	4		30
1,1-Dichloroethane	ND	0.0939	0.090	96		0.094	109		70-130	4		30
Chloroform	ND	0.0939	0.086	92		0.091	106		70-130	6		30
Carbon tetrachloride	ND	0.0939	0.093	99		0.10	116		70-130	7		30
1,2-Dichloropropane	ND	0.0939	0.089	95		0.093	108		70-130	4		30
Dibromochloromethane	ND	0.0939	0.086	92		0.090	104		70-130	5		30
1,1,2-Trichloroethane	ND	0.0939	0.084	90		0.085	99		70-130	1		30
Tetrachloroethene	ND	0.0939	0.079	84		0.095	110		70-130	18		30
Chlorobenzene	ND	0.0939	0.074	79		0.089	103		70-130	18		30
Trichlorofluoromethane	ND	0.0939	0.098	104		0.10	116		40-160	2		30
1,2-Dichloroethane	ND	0.0939	0.085	90		0.086	100		70-130	1		30
1,1,1-Trichloroethane	ND	0.0939	0.094	100		0.10	116		70-130	6		30
Bromodichloromethane	ND	0.0939	0.090	96		0.095	110		70-130	5		30
trans-1,3-Dichloropropene	ND	0.0939	0.084	90		0.090	104		70-130	7		30
cis-1,3-Dichloropropene	ND	0.0939	0.090	96		0.097	113		40-160	7		30
Bromoform	ND	0.0939	0.084	90		0.087	101		40-160	4		30
1,1,2,2-Tetrachloroethane	ND	0.0939	0.082	87		0.085	99		40-160	4		30
Benzene	ND	0.0939	0.087	93		0.094	109		70-130	8		30
Toluene	ND	0.0939	0.079	84		0.090	104		70-130	13		30
Ethylbenzene	ND	0.0939	0.077	82		0.093	108		70-130	19		30

Matrix Spike Analysis

Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1169110-6 WG1169110-7 QC Sample: L1841313-02 Client ID: SW-3A-26												
Chloromethane	ND	0.0939	0.088	94		0.091	106		40-160	3		30
Bromomethane	ND	0.0939	0.083	88		0.093	108		40-160	11		30
Vinyl chloride	ND	0.0939	0.094	100		0.10	116		70-130	6		30
Chloroethane	ND	0.0939	0.099	105		0.10	116		40-160	1		30
1,1-Dichloroethene	ND	0.0939	0.094	100		0.098	114		70-130	4		30
trans-1,2-Dichloroethene	ND	0.0939	0.087	93		0.096	111		70-130	10		30
Trichloroethene	ND	0.0939	0.087	93		0.097	113		70-130	11		30
1,2-Dichlorobenzene	ND	0.0939	0.064	**68**	Q	0.084	98		70-130	27		30
1,3-Dichlorobenzene	ND	0.0939	0.061	**65**	Q	0.085	99		70-130	**33**	Q	30
1,4-Dichlorobenzene	ND	0.0939	0.060	**64**	Q	0.082	95		70-130	**31**	Q	30
Methyl tert butyl ether	ND	0.0939	0.092	98		0.088	102		70-130	4		30
p/m-Xylene	ND	0.188	0.15	80		0.19	110		70-130	24		30
o-Xylene	ND	0.188	0.15	80		0.19	110		70-130	24		30
cis-1,2-Dichloroethene	ND	0.0939	0.087	93		0.093	108		70-130	7		30
Styrene	ND	0.188	0.13	69		0.16	93		40-160	21		30
Dichlorodifluoromethane	ND	0.0939	0.091	97		0.097	113		40-160	6		30
Acetone	0.024	0.0939	0.11	92		0.097	85		40-160	13		30
Carbon disulfide	ND	0.0939	0.085	90		0.093	108		40-160	9		30
2-Butanone	ND	0.0939	0.086	92		0.080	93		40-160	7		30
4-Methyl-2-pentanone	ND	0.0939	0.088	94		0.082	95		40-160	7		30
2-Hexanone	ND	0.0939	0.086	92		0.081	94		40-160	6		30
Bromochloromethane	ND	0.0939	0.087	93		0.090	104		70-130	3		30
Isopropylbenzene	ND	0.0939	0.074	79		0.094	109		70-130	24		30

Matrix Spike Analysis

Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1169110-6 WG1169110-7 QC Sample: L1841313-02 Client ID: SW-3A-26												
1,2,3-Trichlorobenzene	ND	0.0939	0.051	**54**	Q	0.072	84		70-130	**34**	Q	30
1,2,4-Trichlorobenzene	ND	0.0939	0.052	**55**	Q	0.076	88		70-130	**38**	Q	30
Methyl Acetate	ND	0.0939	0.11	117		0.087	101		70-130	23		30
Cyclohexane	ND	0.0939	0.087	93		0.099	115		70-130	13		30
Methyl cyclohexane	ND	0.0939	0.078	83		0.10	116		70-130	25		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.0939	0.092	98		0.10	116		70-130	8		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		97		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	102		101		70-130
Toluene-d8	98		98		70-130

SEMIVOLATILES

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-01
Client ID: FS-3A-54-H8
Sample Location: YONKERS, NY

Date Collected: 10/11/18 08:40
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/16/18 23:01
Analyst: EK
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/14/18 08:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.016	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.018	1
Hexachlorobenzene	ND		mg/kg	0.055	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.069	0.023	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.15	0.049	1
2,4-Dinitrotoluene	ND		mg/kg	0.095	0.032	1
2,6-Dinitrotoluene	ND		mg/kg	0.076	0.025	1
Fluoranthene	0.024	J	mg/kg	0.11	0.022	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.19	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.23	0.022	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.21	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.071	0.024	1
Hexachlorocyclopentadiene	ND		mg/kg	0.54	0.12	1
Hexachloroethane	ND		mg/kg	0.093	0.031	1
Isophorone	ND		mg/kg	0.064	0.021	1
Naphthalene	ND		mg/kg	0.19	0.023	1
Nitrobenzene	ND		mg/kg	0.085	0.028	1
NDPA/DPA	ND		mg/kg	0.047	0.016	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.048	0.016	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.19	0.020	1
Butyl benzyl phthalate	ND		mg/kg	0.19	0.025	1
Di-n-butylphthalate	ND		mg/kg	0.19	0.017	1
Di-n-octylphthalate	ND		mg/kg	0.19	0.060	1
Diethyl phthalate	ND		mg/kg	0.19	0.017	1
Dimethyl phthalate	ND		mg/kg	0.19	0.018	1
Benzo(a)anthracene	ND		mg/kg	0.064	0.021	1
Benzo(a)pyrene	ND		mg/kg	0.14	0.046	1
Benzo(b)fluoranthene	ND		mg/kg	0.048	0.016	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-01 Date Collected: 10/11/18 08:40

Client ID: FS-3A-54-H8 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	ND		mg/kg	0.040	0.013	1
Chrysene	ND		mg/kg	0.11	0.020	1
Acenaphthylene	ND		mg/kg	0.15	0.021	1
Anthracene	ND		mg/kg	0.11	0.017	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.022	1
Fluorene	ND		mg/kg	0.19	0.018	1
Phenanthrene	0.019	J	mg/kg	0.11	0.014	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.066	0.022	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.080	0.026	1
Pyrene	0.018	J	mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.19	0.022	1
2-Nitroaniline	ND		mg/kg	0.19	0.035	1
3-Nitroaniline	ND		mg/kg	0.19	0.036	1
4-Nitroaniline	ND		mg/kg	0.19	0.079	1
Dibenzofuran	ND		mg/kg	0.19	0.017	1
2-Methylnaphthalene	ND		mg/kg	0.23	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.11	0.036	1
p-Chloro-m-cresol	ND		mg/kg	0.19	0.028	1
2-Chlorophenol	ND		mg/kg	0.063	0.021	1
2,4-Dichlorophenol	ND		mg/kg	0.092	0.031	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.061	1
2-Nitrophenol	ND		mg/kg	0.41	0.031	1
2,4-Dinitrophenol	ND		mg/kg	0.27	0.089	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.27	0.092	1
Pentachlorophenol	ND		mg/kg	0.12	0.042	1
Phenol	ND		mg/kg	0.19	0.023	1
2-Methylphenol	ND		mg/kg	0.19	0.030	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.27	0.028	1
2,4,5-Trichlorophenol	ND		mg/kg	0.19	0.036	1
Carbazole	ND		mg/kg	0.19	0.012	1
4-Nitrophenol	ND		mg/kg	0.27	0.053	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.19	0.021	1
Benzaldehyde	ND		mg/kg	0.25	0.030	1
Caprolactam	ND		mg/kg	0.19	0.041	1
Acetophenone	ND		mg/kg	0.19	0.020	1
Biphenyl	ND		mg/kg	0.43	0.044	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.19	0.020	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-01
Client ID: FS-3A-54-H8
Sample Location: YONKERS, NY
Date Collected: 10/11/18 08:40
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.067	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.19	0.038	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		30-130
Phenol-d6	78		30-130
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	77		30-130
4-Terphenyl-d14	64		30-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-02
Client ID: SW-3A-26
Sample Location: YONKERS, NY

Date Collected: 10/11/18 08:50
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/17/18 02:24
Analyst: EK
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/14/18 08:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.016	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.018	1
Hexachlorobenzene	ND		mg/kg	0.055	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.068	0.023	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.15	0.049	1
2,4-Dinitrotoluene	ND		mg/kg	0.095	0.032	1
2,6-Dinitrotoluene	ND		mg/kg	0.075	0.025	1
Fluoranthene	0.043	J	mg/kg	0.11	0.022	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.19	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.23	0.022	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.071	0.024	1
Hexachlorocyclopentadiene	ND		mg/kg	0.54	0.12	1
Hexachloroethane	ND		mg/kg	0.092	0.031	1
Isophorone	ND		mg/kg	0.064	0.021	1
Naphthalene	ND		mg/kg	0.19	0.023	1
Nitrobenzene	ND		mg/kg	0.084	0.028	1
NDPA/DPA	ND		mg/kg	0.047	0.016	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.048	0.016	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.19	0.020	1
Butyl benzyl phthalate	ND		mg/kg	0.19	0.025	1
Di-n-butylphthalate	ND		mg/kg	0.19	0.017	1
Di-n-octylphthalate	ND		mg/kg	0.19	0.059	1
Diethyl phthalate	ND		mg/kg	0.19	0.017	1
Dimethyl phthalate	ND		mg/kg	0.19	0.018	1
Benzo(a)anthracene	0.032	J	mg/kg	0.064	0.021	1
Benzo(a)pyrene	ND		mg/kg	0.14	0.046	1
Benzo(b)fluoranthene	0.039	J	mg/kg	0.048	0.016	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-02 Date Collected: 10/11/18 08:50

Client ID: SW-3A-26 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	0.016	J	mg/kg	0.040	0.013	1
Chrysene	0.030	J	mg/kg	0.11	0.020	1
Acenaphthylene	ND		mg/kg	0.15	0.021	1
Anthracene	ND		mg/kg	0.11	0.017	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.022	1
Fluorene	ND		mg/kg	0.19	0.018	1
Phenanthrene	0.020	J	mg/kg	0.11	0.014	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.066	0.022	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.080	0.026	1
Pyrene	0.045	J	mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.19	0.022	1
2-Nitroaniline	ND		mg/kg	0.19	0.035	1
3-Nitroaniline	ND		mg/kg	0.19	0.036	1
4-Nitroaniline	ND		mg/kg	0.19	0.079	1
Dibenzofuran	ND		mg/kg	0.19	0.017	1
2-Methylnaphthalene	ND		mg/kg	0.23	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.11	0.036	1
p-Chloro-m-cresol	ND		mg/kg	0.19	0.028	1
2-Chlorophenol	ND		mg/kg	0.063	0.021	1
2,4-Dichlorophenol	ND		mg/kg	0.091	0.031	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.060	1
2-Nitrophenol	ND		mg/kg	0.41	0.031	1
2,4-Dinitrophenol	ND		mg/kg	0.27	0.089	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.27	0.091	1
Pentachlorophenol	ND		mg/kg	0.12	0.042	1
Phenol	ND		mg/kg	0.19	0.022	1
2-Methylphenol	ND		mg/kg	0.19	0.030	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.27	0.028	1
2,4,5-Trichlorophenol	ND		mg/kg	0.19	0.036	1
Carbazole	ND		mg/kg	0.19	0.012	1
4-Nitrophenol	ND		mg/kg	0.27	0.053	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.19	0.021	1
Benzaldehyde	ND		mg/kg	0.25	0.030	1
Caprolactam	ND		mg/kg	0.19	0.041	1
Acetophenone	ND		mg/kg	0.19	0.020	1
Biphenyl	ND		mg/kg	0.43	0.044	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.19	0.020	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-02
Client ID: SW-3A-26
Sample Location: YONKERS, NY
Date Collected: 10/11/18 08:50
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.067	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.19	0.038	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		30-130
Phenol-d6	59		30-130
Nitrobenzene-d5	58		30-130
2-Fluorobiphenyl	60		30-130
2,4,6-Tribromophenol	59		30-130
4-Terphenyl-d14	46		30-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-03
Client ID: FS-3A-55-G8
Sample Location: YONKERS, NY

Date Collected: 10/11/18 09:10
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/17/18 03:15
Analyst: EK
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/14/18 08:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.016	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.018	1
Hexachlorobenzene	ND		mg/kg	0.054	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.067	0.022	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.14	0.048	1
2,4-Dinitrotoluene	ND		mg/kg	0.093	0.031	1
2,6-Dinitrotoluene	ND		mg/kg	0.074	0.024	1
Fluoranthene	0.023	J	mg/kg	0.11	0.021	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.19	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.22	0.021	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.069	0.023	1
Hexachlorocyclopentadiene	ND		mg/kg	0.53	0.12	1
Hexachloroethane	ND		mg/kg	0.090	0.030	1
Isophorone	ND		mg/kg	0.063	0.021	1
Naphthalene	ND		mg/kg	0.19	0.023	1
Nitrobenzene	ND		mg/kg	0.083	0.028	1
NDPA/DPA	ND		mg/kg	0.046	0.015	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.047	0.016	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.19	0.019	1
Butyl benzyl phthalate	ND		mg/kg	0.19	0.025	1
Di-n-butylphthalate	ND		mg/kg	0.19	0.016	1
Di-n-octylphthalate	ND		mg/kg	0.19	0.058	1
Diethyl phthalate	ND		mg/kg	0.19	0.017	1
Dimethyl phthalate	ND		mg/kg	0.19	0.018	1
Benzo(a)anthracene	ND		mg/kg	0.063	0.021	1
Benzo(a)pyrene	ND		mg/kg	0.14	0.045	1
Benzo(b)fluoranthene	ND		mg/kg	0.047	0.016	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-03 Date Collected: 10/11/18 09:10

Client ID: FS-3A-55-G8 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	ND		mg/kg	0.039	0.013	1
Chrysene	ND		mg/kg	0.11	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.021	1
Anthracene	ND		mg/kg	0.11	0.016	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.022	1
Fluorene	ND		mg/kg	0.19	0.018	1
Phenanthrene	ND		mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.065	0.022	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.078	0.026	1
Pyrene	0.025	J	mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.19	0.021	1
2-Nitroaniline	ND		mg/kg	0.19	0.034	1
3-Nitroaniline	ND		mg/kg	0.19	0.035	1
4-Nitroaniline	ND		mg/kg	0.19	0.077	1
Dibenzofuran	ND		mg/kg	0.19	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.11	0.035	1
p-Chloro-m-cresol	ND		mg/kg	0.19	0.028	1
2-Chlorophenol	ND		mg/kg	0.061	0.020	1
2,4-Dichlorophenol	ND		mg/kg	0.089	0.030	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.059	1
2-Nitrophenol	ND		mg/kg	0.40	0.030	1
2,4-Dinitrophenol	ND		mg/kg	0.27	0.087	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.27	0.089	1
Pentachlorophenol	ND		mg/kg	0.12	0.041	1
Phenol	ND		mg/kg	0.19	0.022	1
2-Methylphenol	ND		mg/kg	0.19	0.029	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.27	0.027	1
2,4,5-Trichlorophenol	ND		mg/kg	0.19	0.036	1
Carbazole	ND		mg/kg	0.19	0.012	1
4-Nitrophenol	ND		mg/kg	0.26	0.052	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.19	0.021	1
Benzaldehyde	ND		mg/kg	0.24	0.029	1
Caprolactam	ND		mg/kg	0.19	0.040	1
Acetophenone	ND		mg/kg	0.19	0.019	1
Biphenyl	ND		mg/kg	0.42	0.043	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.19	0.019	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-03 Date Collected: 10/11/18 09:10

Client ID: FS-3A-55-G8 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.065	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.19	0.038	1
Tentatively Identified Compounds						
Total TIC Compounds	0.470	J	mg/kg			1
Unknown	0.260	J	mg/kg			1
Unknown	0.210	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		30-130
Phenol-d6	74		30-130
Nitrobenzene-d5	77		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	65		30-130
4-Terphenyl-d14	48		30-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-04
Client ID: SW-3A-27
Sample Location: YONKERS, NY

Date Collected: 10/11/18 09:40
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/16/18 22:10
Analyst: EK
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/14/18 08:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.016	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.018	1
Hexachlorobenzene	ND		mg/kg	0.054	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.068	0.023	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.14	0.048	1
2,4-Dinitrotoluene	ND		mg/kg	0.094	0.031	1
2,6-Dinitrotoluene	ND		mg/kg	0.075	0.025	1
Fluoranthene	ND		mg/kg	0.11	0.022	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.19	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.23	0.022	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.070	0.023	1
Hexachlorocyclopentadiene	ND		mg/kg	0.54	0.12	1
Hexachloroethane	ND		mg/kg	0.092	0.030	1
Isophorone	ND		mg/kg	0.063	0.021	1
Naphthalene	ND		mg/kg	0.19	0.023	1
Nitrobenzene	ND		mg/kg	0.084	0.028	1
NDPA/DPA	ND		mg/kg	0.046	0.015	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.048	0.016	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.19	0.020	1
Butyl benzyl phthalate	ND		mg/kg	0.19	0.025	1
Di-n-butylphthalate	ND		mg/kg	0.19	0.017	1
Di-n-octylphthalate	ND		mg/kg	0.19	0.059	1
Diethyl phthalate	ND		mg/kg	0.19	0.017	1
Dimethyl phthalate	ND		mg/kg	0.19	0.018	1
Benzo(a)anthracene	ND		mg/kg	0.063	0.021	1
Benzo(a)pyrene	ND		mg/kg	0.14	0.046	1
Benzo(b)fluoranthene	ND		mg/kg	0.048	0.016	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-04 Date Collected: 10/11/18 09:40

Client ID: SW-3A-27 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	ND		mg/kg	0.040	0.013	1
Chrysene	ND		mg/kg	0.11	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.021	1
Anthracene	ND		mg/kg	0.11	0.017	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.022	1
Fluorene	ND		mg/kg	0.19	0.018	1
Phenanthrene	ND		mg/kg	0.11	0.014	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.066	0.022	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.079	0.026	1
Pyrene	ND		mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.19	0.022	1
2-Nitroaniline	ND		mg/kg	0.19	0.035	1
3-Nitroaniline	ND		mg/kg	0.19	0.036	1
4-Nitroaniline	ND		mg/kg	0.19	0.078	1
Dibenzofuran	ND		mg/kg	0.19	0.017	1
2-Methylnaphthalene	ND		mg/kg	0.23	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.11	0.036	1
p-Chloro-m-cresol	ND		mg/kg	0.19	0.028	1
2-Chlorophenol	ND		mg/kg	0.062	0.021	1
2,4-Dichlorophenol	ND		mg/kg	0.091	0.030	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.060	1
2-Nitrophenol	ND		mg/kg	0.41	0.031	1
2,4-Dinitrophenol	ND		mg/kg	0.27	0.088	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.27	0.091	1
Pentachlorophenol	ND		mg/kg	0.12	0.042	1
Phenol	ND		mg/kg	0.19	0.022	1
2-Methylphenol	ND		mg/kg	0.19	0.029	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.27	0.027	1
2,4,5-Trichlorophenol	ND		mg/kg	0.19	0.036	1
Carbazole	ND		mg/kg	0.19	0.012	1
4-Nitrophenol	ND		mg/kg	0.26	0.052	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.19	0.021	1
Benzaldehyde	ND		mg/kg	0.25	0.029	1
Caprolactam	ND		mg/kg	0.19	0.040	1
Acetophenone	ND		mg/kg	0.19	0.020	1
Biphenyl	ND		mg/kg	0.43	0.044	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.19	0.020	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-04
Client ID: SW-3A-27
Sample Location: YONKERS, NY
Date Collected: 10/11/18 09:40
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.066	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.19	0.038	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		30-130
Phenol-d6	86		30-130
Nitrobenzene-d5	79		30-130
2-Fluorobiphenyl	77		30-130
2,4,6-Tribromophenol	78		30-130
4-Terphenyl-d14	64		30-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-05
Client ID: FS-3A-56-F8
Sample Location: YONKERS, NY

Date Collected: 10/11/18 09:50
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/16/18 22:35
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/14/18 08:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.015	1
2-Chloronaphthalene	ND		mg/kg	0.18	0.018	1
Hexachlorobenzene	ND		mg/kg	0.053	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.066	0.022	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.14	0.047	1
2,4-Dinitrotoluene	ND		mg/kg	0.092	0.031	1
2,6-Dinitrotoluene	ND		mg/kg	0.073	0.024	1
Fluoranthene	ND		mg/kg	0.11	0.021	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.18	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.22	0.021	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.069	0.023	1
Hexachlorocyclopentadiene	ND		mg/kg	0.53	0.12	1
Hexachloroethane	ND		mg/kg	0.090	0.030	1
Isophorone	ND		mg/kg	0.062	0.021	1
Naphthalene	ND		mg/kg	0.18	0.022	1
Nitrobenzene	ND		mg/kg	0.082	0.027	1
NDPA/DPA	ND		mg/kg	0.045	0.015	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.047	0.015	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.18	0.019	1
Butyl benzyl phthalate	ND		mg/kg	0.18	0.025	1
Di-n-butylphthalate	ND		mg/kg	0.18	0.016	1
Di-n-octylphthalate	ND		mg/kg	0.18	0.058	1
Diethyl phthalate	ND		mg/kg	0.18	0.017	1
Dimethyl phthalate	ND		mg/kg	0.18	0.018	1
Benzo(a)anthracene	ND		mg/kg	0.062	0.021	1
Benzo(a)pyrene	ND		mg/kg	0.14	0.045	1
Benzo(b)fluoranthene	ND		mg/kg	0.047	0.015	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-05 Date Collected: 10/11/18 09:50

Client ID: FS-3A-56-F8 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	ND		mg/kg	0.039	0.013	1
Chrysene	ND		mg/kg	0.11	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.021	1
Anthracene	ND		mg/kg	0.11	0.016	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.022	1
Fluorene	ND		mg/kg	0.18	0.018	1
Phenanthrene	0.016	J	mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.064	0.021	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.078	0.026	1
Pyrene	ND		mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.18	0.021	1
2-Nitroaniline	ND		mg/kg	0.18	0.034	1
3-Nitroaniline	ND		mg/kg	0.18	0.035	1
4-Nitroaniline	ND		mg/kg	0.18	0.076	1
Dibenzofuran	ND		mg/kg	0.18	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.10	0.035	1
p-Chloro-m-cresol	ND		mg/kg	0.18	0.028	1
2-Chlorophenol	ND		mg/kg	0.061	0.020	1
2,4-Dichlorophenol	ND		mg/kg	0.089	0.030	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.059	1
2-Nitrophenol	ND		mg/kg	0.40	0.030	1
2,4-Dinitrophenol	ND		mg/kg	0.27	0.086	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.27	0.089	1
Pentachlorophenol	ND		mg/kg	0.12	0.041	1
Phenol	ND		mg/kg	0.18	0.022	1
2-Methylphenol	ND		mg/kg	0.18	0.029	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.27	0.027	1
2,4,5-Trichlorophenol	ND		mg/kg	0.18	0.035	1
Carbazole	ND		mg/kg	0.18	0.012	1
4-Nitrophenol	ND		mg/kg	0.26	0.051	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.18	0.020	1
Benzaldehyde	ND		mg/kg	0.24	0.029	1
Caprolactam	ND		mg/kg	0.18	0.040	1
Acetophenone	ND		mg/kg	0.18	0.019	1
Biphenyl	ND		mg/kg	0.42	0.043	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.18	0.019	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-05
Client ID: FS-3A-56-F8
Sample Location: YONKERS, NY
Date Collected: 10/11/18 09:50
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.065	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.18	0.037	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		30-130
Phenol-d6	74		30-130
Nitrobenzene-d5	70		30-130
2-Fluorobiphenyl	69		30-130
2,4,6-Tribromophenol	73		30-130
4-Terphenyl-d14	55		30-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-06
Client ID: SW-3A-28
Sample Location: YONKERS, NY

Date Collected: 10/11/18 10:00
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/17/18 00:42
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/14/18 08:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.015	1
2-Chloronaphthalene	ND		mg/kg	0.18	0.018	1
Hexachlorobenzene	ND		mg/kg	0.053	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.067	0.022	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.14	0.047	1
2,4-Dinitrotoluene	ND		mg/kg	0.092	0.031	1
2,6-Dinitrotoluene	ND		mg/kg	0.073	0.024	1
Fluoranthene	ND		mg/kg	0.11	0.021	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.18	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.22	0.021	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.069	0.023	1
Hexachlorocyclopentadiene	ND		mg/kg	0.53	0.12	1
Hexachloroethane	ND		mg/kg	0.090	0.030	1
Isophorone	ND		mg/kg	0.062	0.021	1
Naphthalene	ND		mg/kg	0.18	0.022	1
Nitrobenzene	ND		mg/kg	0.082	0.027	1
NDPA/DPA	ND		mg/kg	0.046	0.015	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.047	0.015	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.18	0.019	1
Butyl benzyl phthalate	ND		mg/kg	0.18	0.025	1
Di-n-butylphthalate	ND		mg/kg	0.18	0.016	1
Di-n-octylphthalate	ND		mg/kg	0.18	0.058	1
Diethyl phthalate	ND		mg/kg	0.18	0.017	1
Dimethyl phthalate	ND		mg/kg	0.18	0.018	1
Benzo(a)anthracene	ND		mg/kg	0.062	0.021	1
Benzo(a)pyrene	ND		mg/kg	0.14	0.045	1
Benzo(b)fluoranthene	ND		mg/kg	0.047	0.015	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-06 Date Collected: 10/11/18 10:00

Client ID: SW-3A-28 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	ND		mg/kg	0.039	0.013	1
Chrysene	ND		mg/kg	0.11	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.021	1
Anthracene	ND		mg/kg	0.11	0.016	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.022	1
Fluorene	ND		mg/kg	0.18	0.018	1
Phenanthrene	ND		mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.064	0.021	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.078	0.026	1
Pyrene	ND		mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.18	0.021	1
2-Nitroaniline	ND		mg/kg	0.18	0.034	1
3-Nitroaniline	ND		mg/kg	0.18	0.035	1
4-Nitroaniline	ND		mg/kg	0.18	0.076	1
Dibenzofuran	ND		mg/kg	0.18	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.10	0.035	1
p-Chloro-m-cresol	ND		mg/kg	0.18	0.028	1
2-Chlorophenol	ND		mg/kg	0.061	0.020	1
2,4-Dichlorophenol	ND		mg/kg	0.089	0.030	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.059	1
2-Nitrophenol	ND		mg/kg	0.40	0.030	1
2,4-Dinitrophenol	ND		mg/kg	0.27	0.086	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.27	0.089	1
Pentachlorophenol	ND		mg/kg	0.12	0.041	1
Phenol	ND		mg/kg	0.18	0.022	1
2-Methylphenol	ND		mg/kg	0.18	0.029	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.27	0.027	1
2,4,5-Trichlorophenol	ND		mg/kg	0.18	0.035	1
Carbazole	ND		mg/kg	0.18	0.012	1
4-Nitrophenol	ND		mg/kg	0.26	0.051	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.18	0.020	1
Benzaldehyde	ND		mg/kg	0.24	0.029	1
Caprolactam	ND		mg/kg	0.18	0.040	1
Acetophenone	ND		mg/kg	0.18	0.019	1
Biphenyl	ND		mg/kg	0.42	0.043	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.18	0.019	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-06
Client ID: SW-3A-28
Sample Location: YONKERS, NY
Date Collected: 10/11/18 10:00
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.065	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.18	0.037	1
Tentatively Identified Compounds						
Total TIC Compounds	0.587	J	mg/kg			1
Unknown	0.298	J	mg/kg			1
Unknown	0.289	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		30-130
Phenol-d6	75		30-130
Nitrobenzene-d5	69		30-130
2-Fluorobiphenyl	68		30-130
2,4,6-Tribromophenol	69		30-130
4-Terphenyl-d14	54		30-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-07
Client ID: FD01-3A-181011
Sample Location: YONKERS, NY

Date Collected: 10/11/18 00:00
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/17/18 01:08
Analyst: EK
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/14/18 08:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.016	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.018	1
Hexachlorobenzene	ND		mg/kg	0.054	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.068	0.022	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.14	0.048	1
2,4-Dinitrotoluene	ND		mg/kg	0.094	0.031	1
2,6-Dinitrotoluene	ND		mg/kg	0.074	0.025	1
Fluoranthene	0.10	J	mg/kg	0.11	0.022	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.19	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.22	0.022	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.070	0.023	1
Hexachlorocyclopentadiene	ND		mg/kg	0.54	0.12	1
Hexachloroethane	ND		mg/kg	0.091	0.030	1
Isophorone	ND		mg/kg	0.063	0.021	1
Naphthalene	ND		mg/kg	0.19	0.023	1
Nitrobenzene	ND		mg/kg	0.083	0.028	1
NDPA/DPA	ND		mg/kg	0.046	0.015	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.047	0.016	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.19	0.020	1
Butyl benzyl phthalate	ND		mg/kg	0.19	0.025	1
Di-n-butylphthalate	ND		mg/kg	0.19	0.017	1
Di-n-octylphthalate	ND		mg/kg	0.19	0.059	1
Diethyl phthalate	ND		mg/kg	0.19	0.017	1
Dimethyl phthalate	ND		mg/kg	0.19	0.018	1
Benzo(a)anthracene	0.050	J	mg/kg	0.063	0.021	1
Benzo(a)pyrene	0.048	J	mg/kg	0.14	0.046	1
Benzo(b)fluoranthene	0.057		mg/kg	0.047	0.016	1

Project Name: CPG III **Lab Number:** L1841313

Project Number: 15.5268 **Report Date:** 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-07 Date Collected: 10/11/18 00:00

Client ID: FD01-3A-181011 Date Received: 10/11/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	0.018	J	mg/kg	0.039	0.013	1
Chrysene	0.056	J	mg/kg	0.11	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.021	1
Anthracene	ND		mg/kg	0.11	0.017	1
Benzo(ghi)perylene	0.030	J	mg/kg	0.15	0.022	1
Fluorene	ND		mg/kg	0.19	0.018	1
Phenanthrene	0.069	J	mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.065	0.022	1
Indeno(1,2,3-cd)pyrene	0.028	J	mg/kg	0.079	0.026	1
Pyrene	0.095	J	mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.19	0.022	1
2-Nitroaniline	ND		mg/kg	0.19	0.034	1
3-Nitroaniline	ND		mg/kg	0.19	0.035	1
4-Nitroaniline	ND		mg/kg	0.19	0.078	1
Dibenzofuran	ND		mg/kg	0.19	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.11	0.036	1
p-Chloro-m-cresol	ND		mg/kg	0.19	0.028	1
2-Chlorophenol	ND		mg/kg	0.062	0.021	1
2,4-Dichlorophenol	ND		mg/kg	0.090	0.030	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.060	1
2-Nitrophenol	ND		mg/kg	0.41	0.031	1
2,4-Dinitrophenol	ND		mg/kg	0.27	0.088	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.27	0.090	1
Pentachlorophenol	ND		mg/kg	0.12	0.041	1
Phenol	ND		mg/kg	0.19	0.022	1
2-Methylphenol	ND		mg/kg	0.19	0.029	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.27	0.027	1
2,4,5-Trichlorophenol	ND		mg/kg	0.19	0.036	1
Carbazole	ND		mg/kg	0.19	0.012	1
4-Nitrophenol	ND		mg/kg	0.26	0.052	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.19	0.021	1
Benzaldehyde	ND		mg/kg	0.25	0.029	1
Caprolactam	ND		mg/kg	0.19	0.040	1
Acetophenone	ND		mg/kg	0.19	0.020	1
Biphenyl	ND		mg/kg	0.43	0.044	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.19	0.020	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-07
Client ID: FD01-3A-181011
Sample Location: YONKERS, NY
Date Collected: 10/11/18 00:00
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.066	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.19	0.038	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		30-130
Phenol-d6	78		30-130
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	69		30-130
2,4,6-Tribromophenol	72		30-130
4-Terphenyl-d14	48		30-130

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/18 20:03
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/14/18 08:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1167900-1					
Acenaphthene	ND		mg/kg	0.13	0.014
2-Chloronaphthalene	ND		mg/kg	0.16	0.016
Hexachlorobenzene	ND		mg/kg	0.048	0.016
Bis(2-chloroethyl)ether	ND		mg/kg	0.060	0.020
3,3'-Dichlorobenzidine	ND		mg/kg	0.13	0.042
2,4-Dinitrotoluene	ND		mg/kg	0.082	0.027
2,6-Dinitrotoluene	ND		mg/kg	0.066	0.022
Fluoranthene	ND		mg/kg	0.099	0.019
4-Chlorophenyl phenyl ether	ND		mg/kg	0.16	0.014
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.20	0.019
Bis(2-chloroethoxy)methane	ND		mg/kg	0.18	0.016
Hexachlorobutadiene	ND		mg/kg	0.062	0.020
Hexachlorocyclopentadiene	ND		mg/kg	0.47	0.10
Hexachloroethane	ND		mg/kg	0.080	0.027
Isophorone	ND		mg/kg	0.056	0.018
Naphthalene	ND		mg/kg	0.16	0.020
Nitrobenzene	ND		mg/kg	0.074	0.024
NDPA/DPA	ND		mg/kg	0.041	0.013
n-Nitrosodi-n-propylamine	ND		mg/kg	0.042	0.014
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.16	0.017
Butyl benzyl phthalate	ND		mg/kg	0.16	0.022
Di-n-butylphthalate	ND		mg/kg	0.16	0.015
Di-n-octylphthalate	ND		mg/kg	0.16	0.052
Diethyl phthalate	ND		mg/kg	0.16	0.015
Dimethyl phthalate	ND		mg/kg	0.16	0.016
Benzo(a)anthracene	ND		mg/kg	0.056	0.019
Benzo(a)pyrene	ND		mg/kg	0.12	0.040
Benzo(b)fluoranthene	ND		mg/kg	0.042	0.014
Benzo(k)fluoranthene	ND		mg/kg	0.035	0.012

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/18 20:03
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/14/18 08:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1167900-1					
Chrysene	ND		mg/kg	0.099	0.017
Acenaphthylene	ND		mg/kg	0.13	0.018
Anthracene	ND		mg/kg	0.099	0.015
Benzo(ghi)perylene	ND		mg/kg	0.13	0.019
Fluorene	ND		mg/kg	0.16	0.016
Phenanthrene	ND		mg/kg	0.099	0.012
Dibenzo(a,h)anthracene	ND		mg/kg	0.058	0.019
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.070	0.023
Pyrene	ND		mg/kg	0.099	0.014
4-Chloroaniline	ND		mg/kg	0.16	0.019
2-Nitroaniline	ND		mg/kg	0.16	0.030
3-Nitroaniline	ND		mg/kg	0.16	0.031
4-Nitroaniline	ND		mg/kg	0.16	0.068
Dibenzofuran	ND		mg/kg	0.16	0.015
2-Methylnaphthalene	ND		mg/kg	0.20	0.018
2,4,6-Trichlorophenol	ND		mg/kg	0.094	0.031
p-Chloro-m-cresol	ND		mg/kg	0.16	0.025
2-Chlorophenol	ND		mg/kg	0.055	0.018
2,4-Dichlorophenol	ND		mg/kg	0.079	0.027
2,4-Dimethylphenol	ND		mg/kg	0.16	0.053
2-Nitrophenol	ND		mg/kg	0.36	0.027
2,4-Dinitrophenol	ND		mg/kg	0.24	0.077
4,6-Dinitro-o-cresol	ND		mg/kg	0.24	0.079
Pentachlorophenol	ND		mg/kg	0.11	0.036
Phenol	ND		mg/kg	0.16	0.020
2-Methylphenol	ND		mg/kg	0.16	0.026
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.24	0.024
2,4,5-Trichlorophenol	ND		mg/kg	0.16	0.032
Carbazole	ND		mg/kg	0.16	0.010

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/18 20:03
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/14/18 08:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1167900-1					
4-Nitrophenol	ND		mg/kg	0.23	0.046
4-Bromophenyl phenyl ether	ND		mg/kg	0.16	0.018
Benzaldehyde	ND		mg/kg	0.22	0.026
Caprolactam	ND		mg/kg	0.16	0.035
Acetophenone	ND		mg/kg	0.16	0.017
Biphenyl	ND		mg/kg	0.38	0.038
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.16	0.017
Atrazine	ND		mg/kg	0.13	0.058
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.16	0.033
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		mg/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		30-130
Phenol-d6	79		30-130
Nitrobenzene-d5	70		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	67		30-130
4-Terphenyl-d14	68		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1167900-2 WG1167900-3								
Acenaphthene	77		**67**	Q	70-130	14		30
2-Chloronaphthalene	73		**64**	Q	70-130	13		30
Hexachlorobenzene	72		**61**	Q	70-130	17		30
Bis(2-chloroethyl)ether	74		**68**	Q	70-130	8		30
3,3'-Dichlorobenzidine	72		**56**	Q	70-130	25		30
2,4-Dinitrotoluene	79		**66**	Q	70-130	18		30
2,6-Dinitrotoluene	77		**63**	Q	70-130	20		30
Fluoranthene	76		**65**	Q	70-130	16		30
4-Chlorophenyl phenyl ether	70		**60**	Q	70-130	15		30
Bis(2-chloroisopropyl)ether	83		77		70-130	8		30
Bis(2-chloroethoxy)methane	76		**64**	Q	70-130	17		30
Hexachlorobutadiene	**63**	Q	**56**	Q	70-130	12		30
Hexachlorocyclopentadiene	59		50		20-160	17		30
Hexachloroethane	69		70		20-160	1		30
Isophorone	75		**66**	Q	70-130	13		30
Naphthalene	74		**67**	Q	70-130	10		30
Nitrobenzene	73		**65**	Q	70-130	12		30
NDPA/DPA	77		**65**	Q	70-130	17		30
n-Nitrosodi-n-propylamine	72		**65**	Q	70-130	10		30
Bis(2-ethylhexyl)phthalate	92		76		70-130	19		30
Butyl benzyl phthalate	83		**68**	Q	70-130	20		30
Di-n-butylphthalate	84		**68**	Q	70-130	21		30
Di-n-octylphthalate	93		78		70-130	18		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1167900-2 WG1167900-3								
Diethyl phthalate	78		**65**	Q	70-130	18		30
Dimethyl phthalate	74		**62**	Q	70-130	18		30
Benzo(a)anthracene	76		**64**	Q	70-130	17		30
Benzo(a)pyrene	83		**69**	Q	70-130	18		30
Benzo(b)fluoranthene	82		**68**	Q	70-130	19		30
Benzo(k)fluoranthene	80		**67**	Q	70-130	18		30
Chrysene	80		**68**	Q	70-130	16		30
Acenaphthylene	75		**62**	Q	70-130	19		30
Anthracene	80		**67**	Q	70-130	18		30
Benzo(ghi)perylene	80		**65**	Q	70-130	21		30
Fluorene	76		**67**	Q	70-130	13		30
Phenanthrene	78		**66**	Q	70-130	17		30
Dibenzo(a,h)anthracene	81		**66**	Q	70-130	20		30
Indeno(1,2,3-cd)pyrene	82		**66**	Q	70-130	22		30
Pyrene	76		**64**	Q	70-130	17		30
4-Chloroaniline	66		54		20-160	20		30
2-Nitroaniline	80		**67**	Q	70-130	18		30
3-Nitroaniline	77		**62**	Q	70-130	22		30
4-Nitroaniline	80		**69**	Q	70-130	15		30
Dibenzofuran	75		**64**	Q	70-130	16		30
2-Methylnaphthalene	76		**66**	Q	70-130	14		30
2,4,6-Trichlorophenol	71		**61**	Q	70-130	15		30
p-Chloro-m-cresol	79		**65**	Q	70-130	19		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1167900-2 WG1167900-3								
2-Chlorophenol	81		72		70-130	12		30
2,4-Dichlorophenol	78		**67**	Q	70-130	15		30
2,4-Dimethylphenol	78		**69**	Q	70-130	12		30
2-Nitrophenol	79		71		70-130	11		30
2,4-Dinitrophenol	61		50		20-160	20		30
4,6-Dinitro-o-cresol	**67**	Q	**55**	Q	70-130	20		30
Pentachlorophenol	65		53		20-160	20		30
Phenol	78		68		20-160	14		30
2-Methylphenol	80		72		70-130	11		30
3-Methylphenol/4-Methylphenol	81		70		20-160	15		30
2,4,5-Trichlorophenol	72		**58**	Q	70-130	22		30
Carbazole	80		**68**	Q	70-130	16		30
4-Nitrophenol	81		68		20-160	17		30
4-Bromophenyl phenyl ether	**69**	Q	**59**	Q	70-130	16		30
Benzaldehyde	67		62		20-160	8		30
Caprolactam	84		70		20-160	18		30
Acetophenone	80		72		70-130	11		30
Biphenyl	79		**68**	Q	70-130	15		30
1,2,4,5-Tetrachlorobenzene	**64**	Q	**56**	Q	70-130	13		30
Atrazine	94		79		70-130	17		30
2,3,4,6-Tetrachlorophenol	70		**58**	Q	70-130	19		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1841313

Report Date: 10/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1167900-2 WG1167900-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		77		30-130
Phenol-d6	79		69		30-130
Nitrobenzene-d5	70		65		30-130
2-Fluorobiphenyl	70		60		30-130
2,4,6-Tribromophenol	73		61		30-130
4-Terphenyl-d14	63		53		30-130

Matrix Spike Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1841313

Report Date: 10/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1167900-4 WG1167900-5 QC Sample: L1841313-02 Client ID: SW-3A-26												
Acenaphthene	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
2-Chloronaphthalene	ND	1.53	1.1	72		0.95	**62**	Q	70-130	15		30
Hexachlorobenzene	ND	1.53	1.0	**65**	Q	0.94	**61**	Q	70-130	6		30
Bis(2-chloroethyl)ether	ND	1.53	1.1	72		1.0	**65**	Q	70-130	10		30
3,3'-Dichlorobenzidine	ND	1.53	1.0	**65**	Q	0.95	**62**	Q	70-130	5		30
2,4-Dinitrotoluene	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
2,6-Dinitrotoluene	ND	1.53	1.1	72		0.97	**63**	Q	70-130	13		30
Fluoranthene	0.043J	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
4-Chlorophenyl phenyl ether	ND	1.53	1.0	**65**	Q	0.93	**61**	Q	70-130	7		30
Bis(2-chloroisopropyl)ether	ND	1.53	1.3	85		1.1	72		70-130	17		30
Bis(2-chloroethoxy)methane	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
Hexachlorobutadiene	ND	1.53	0.94	**61**	Q	0.85	**55**	Q	70-130	10		30
Hexachlorocyclopentadiene	ND	1.53	0.85	56		0.74	48		20-160	14		30
Hexachloroethane	ND	1.53	1.1	72		0.94	61		20-160	16		30
Isophorone	ND	1.53	1.1	72		0.97	**63**	Q	70-130	13		30
Naphthalene	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
Nitrobenzene	ND	1.53	1.1	72		0.98	**64**	Q	70-130	12		30
NDPA/DPA	ND	1.53	1.1	72		0.98	**64**	Q	70-130	12		30
n-Nitrosodi-n-propylamine	ND	1.53	1.1	72		0.94	**61**	Q	70-130	16		30
Bis(2-ethylhexyl)phthalate	ND	1.53	1.4	92		1.2	78		70-130	15		30
Butyl benzyl phthalate	ND	1.53	1.2	78		1.1	72		70-130	9		30
Di-n-butylphthalate	ND	1.53	1.2	78		1.1	72		70-130	9		30
Di-n-octylphthalate	ND	1.53	1.4	92		1.3	85		70-130	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1841313

Report Date: 10/18/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1167900-4 WG1167900-5 QC Sample: L1841313-02 Client ID: SW-3A-26												
Diethyl phthalate	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
Dimethyl phthalate	ND	1.53	1.1	72		0.95	**62**	Q	70-130	15		30
Benzo(a)anthracene	0.032J	1.53	1.1	72		1.0	**65**	Q	70-130	10		30
Benzo(a)pyrene	ND	1.53	1.3	85		1.1	72		70-130	17		30
Benzo(b)fluoranthene	0.039J	1.53	1.2	78		1.1	72		70-130	9		30
Benzo(k)fluoranthene	0.016J	1.53	1.2	78		1.1	72		70-130	9		30
Chrysene	0.030J	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
Acenaphthylene	ND	1.53	1.1	72		0.95	**62**	Q	70-130	15		30
Anthracene	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
Benzo(ghi)perylene	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
Fluorene	ND	1.53	1.1	72		1.0	**65**	Q	70-130	10		30
Phenanthrene	0.020J	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
Dibenzo(a,h)anthracene	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
Indeno(1,2,3-cd)pyrene	ND	1.53	1.2	78		1.1	72		70-130	9		30
Pyrene	0.045J	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
4-Chloroaniline	ND	1.53	0.90	59		0.85	55		20-160	6		30
2-Nitroaniline	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
3-Nitroaniline	ND	1.53	1.1	72		1.0	**65**	Q	70-130	10		30
4-Nitroaniline	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
Dibenzofuran	ND	1.53	1.1	72		1.0	**65**	Q	70-130	10		30
2-Methylnaphthalene	ND	1.53	1.1	72		1.0	**65**	Q	70-130	10		30
2,4,6-Trichlorophenol	ND	1.53	1.0	**65**	Q	0.91	**59**	Q	70-130	9		30
p-Chloro-m-cresol	ND	1.53	1.1	72		0.96	**63**	Q	70-130	14		30

Matrix Spike Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1841313

Report Date: 10/18/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1167900-4 WG1167900-5 QC Sample: L1841313-02 Client ID: SW-3A-26												
2-Chlorophenol	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
2,4-Dichlorophenol	ND	1.53	1.1	72		0.98	**64**	Q	70-130	12		30
2,4-Dimethylphenol	ND	1.53	1.0	**65**	Q	0.90	**59**	Q	70-130	11		30
2-Nitrophenol	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
2,4-Dinitrophenol	ND	1.53	0.26J	**17**	Q	0.24J	**16**	Q	20-160	8		30
4,6-Dinitro-o-cresol	ND	1.53	0.74	**48**	Q	0.63	**41**	Q	70-130	16		30
Pentachlorophenol	ND	1.53	0.91	59		0.77	50		20-160	17		30
Phenol	ND	1.53	1.1	72		0.95	62		20-160	15		30
2-Methylphenol	ND	1.53	1.1	72		0.97	**63**	Q	70-130	13		30
3-Methylphenol/4-Methylphenol	ND	1.53	1.1	72		0.98	64		20-160	12		30
2,4,5-Trichlorophenol	ND	1.53	1.0	**65**	Q	0.91	**59**	Q	70-130	9		30
Carbazole	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
4-Nitrophenol	ND	1.53	1.1	72		0.99	64		20-160	11		30
4-Bromophenyl phenyl ether	ND	1.53	1.0	**65**	Q	0.87	**57**	Q	70-130	14		30
Benzaldehyde	ND	1.53	1.1	72		0.92	60		20-160	18		30
Caprolactam	ND	1.53	1.1	72		0.94	61		20-160	16		30
Acetophenone	ND	1.53	1.2	78		1.1	72		70-130	9		30
Biphenyl	ND	1.53	1.2	78		1.0	**65**	Q	70-130	18		30
1,2,4,5-Tetrachlorobenzene	ND	1.53	0.96	**63**	Q	0.88	**57**	Q	70-130	9		30
Atrazine	ND	1.53	1.5	98		1.2	78		70-130	22		30
2,3,4,6-Tetrachlorophenol	ND	1.53	0.97	**63**	Q	0.86	**56**	Q	70-130	12		30

Matrix Spike Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1841313

Report Date: 10/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1167900-4 WG1167900-5 QC Sample: L1841313-02 Client ID: SW-3A-26												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	66		61		30-130
2-Fluorobiphenyl	66		59		30-130
2-Fluorophenol	75		67		30-130
4-Terphenyl-d14	59		52		30-130
Nitrobenzene-d5	70		62		30-130
Phenol-d6	74		64		30-130

METALS

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-01
Client ID: FS-3A-54-H8
Sample Location: YONKERS, NY
Date Collected: 10/11/18 08:40
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11900		mg/kg	9.10	2.46	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Antimony, Total	0.691	J	mg/kg	4.55	0.346	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Arsenic, Total	2.94		mg/kg	0.910	0.189	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Barium, Total	46.6		mg/kg	0.910	0.158	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Beryllium, Total	0.346	J	mg/kg	0.455	0.030	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Cadmium, Total	0.336	J	mg/kg	0.910	0.089	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Calcium, Total	1220		mg/kg	9.10	3.18	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Chromium, Total	27.8		mg/kg	0.910	0.087	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Cobalt, Total	9.11		mg/kg	1.82	0.151	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Copper, Total	16.0		mg/kg	0.910	0.235	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Iron, Total	23400		mg/kg	4.55	0.821	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Lead, Total	10.0		mg/kg	4.55	0.244	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Magnesium, Total	2990		mg/kg	9.10	1.40	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Manganese, Total	464		mg/kg	0.910	0.145	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Mercury, Total	0.017	J	mg/kg	0.073	0.015	1	10/16/18 08:30	10/16/18 19:14	EPA 7471B	1,7471B	EA
Nickel, Total	16.4		mg/kg	2.27	0.220	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Potassium, Total	418		mg/kg	227	13.1	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Selenium, Total	0.655	J	mg/kg	1.82	0.235	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.910	0.257	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Sodium, Total	138	J	mg/kg	182	2.86	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.82	0.286	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Vanadium, Total	31.8		mg/kg	0.910	0.185	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB
Zinc, Total	26.1		mg/kg	4.55	0.266	2	10/16/18 17:55	10/17/18 22:01	EPA 3050B	1,6010D	AB

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-02
Client ID: SW-3A-26
Sample Location: YONKERS, NY
Date Collected: 10/11/18 08:50
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11300		mg/kg	8.79	2.37	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Antimony, Total	0.580	J	mg/kg	4.40	0.334	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Arsenic, Total	3.91		mg/kg	0.879	0.183	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Barium, Total	86.9		mg/kg	0.879	0.153	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Beryllium, Total	0.413	J	mg/kg	0.440	0.029	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Cadmium, Total	0.378	J	mg/kg	0.879	0.086	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Calcium, Total	9890		mg/kg	8.79	3.08	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Chromium, Total	22.7		mg/kg	0.879	0.084	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Cobalt, Total	6.66		mg/kg	1.76	0.146	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Copper, Total	21.6		mg/kg	0.879	0.227	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Iron, Total	15100		mg/kg	4.40	0.794	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Lead, Total	199		mg/kg	4.40	0.236	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Magnesium, Total	7200		mg/kg	8.79	1.35	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Manganese, Total	188		mg/kg	0.879	0.140	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Mercury, Total	0.117		mg/kg	0.074	0.016	1	10/17/18 11:30	10/17/18 22:30	EPA 7471B	1,7471B	EA
Nickel, Total	14.1		mg/kg	2.20	0.213	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Potassium, Total	461		mg/kg	220	12.7	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Selenium, Total	0.281	J	mg/kg	1.76	0.227	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.879	0.249	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Sodium, Total	414		mg/kg	176	2.77	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.76	0.277	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Vanadium, Total	24.2		mg/kg	0.879	0.178	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB
Zinc, Total	138		mg/kg	4.40	0.258	2	10/16/18 17:55	10/17/18 21:39	EPA 3050B	1,6010D	AB

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-03
Client ID: FS-3A-55-G8
Sample Location: YONKERS, NY
Date Collected: 10/11/18 09:10
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	8150		mg/kg	9.06	2.45	2	10/16/18 17:55	10/18/18 04:35	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.53	0.344	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Arsenic, Total	1.67		mg/kg	0.906	0.188	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Barium, Total	40.1		mg/kg	0.906	0.158	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Beryllium, Total	0.236	J	mg/kg	0.453	0.030	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Cadmium, Total	0.199	J	mg/kg	0.906	0.089	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Calcium, Total	722		mg/kg	9.06	3.17	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Chromium, Total	25.2		mg/kg	0.906	0.087	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Cobalt, Total	7.06		mg/kg	1.81	0.150	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Copper, Total	17.6		mg/kg	0.906	0.234	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Iron, Total	13000		mg/kg	4.53	0.819	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Lead, Total	11.0		mg/kg	4.53	0.243	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Magnesium, Total	1940		mg/kg	9.06	1.40	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Manganese, Total	688		mg/kg	0.906	0.144	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Mercury, Total	0.069	J	mg/kg	0.072	0.015	1	10/16/18 08:30	10/16/18 19:19	EPA 7471B	1,7471B	EA
Nickel, Total	14.6		mg/kg	2.27	0.219	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Potassium, Total	488		mg/kg	227	13.0	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Selenium, Total	0.508	J	mg/kg	1.81	0.234	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.906	0.256	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Sodium, Total	384		mg/kg	181	2.86	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.81	0.286	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Vanadium, Total	23.2		mg/kg	0.906	0.184	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB
Zinc, Total	20.3		mg/kg	4.53	0.266	2	10/16/18 17:55	10/18/18 00:33	EPA 3050B	1,6010D	AB

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-04
Client ID: SW-3A-27
Sample Location: YONKERS, NY
Date Collected: 10/11/18 09:40
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9150		mg/kg	8.58	2.32	2	10/16/18 17:55	10/18/18 04:39	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.29	0.326	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Arsenic, Total	3.01		mg/kg	0.858	0.178	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Barium, Total	29.9		mg/kg	0.858	0.149	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Beryllium, Total	0.360	J	mg/kg	0.429	0.028	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Cadmium, Total	0.240	J	mg/kg	0.858	0.084	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Calcium, Total	713		mg/kg	8.58	3.00	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Chromium, Total	24.2		mg/kg	0.858	0.082	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Cobalt, Total	6.94		mg/kg	1.72	0.142	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Copper, Total	9.95		mg/kg	0.858	0.221	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Iron, Total	17700		mg/kg	4.29	0.774	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Lead, Total	6.08		mg/kg	4.29	0.230	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Magnesium, Total	2180		mg/kg	8.58	1.32	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Manganese, Total	188		mg/kg	0.858	0.136	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.071	0.015	1	10/16/18 08:30	10/16/18 19:21	EPA 7471B	1,7471B	EA
Nickel, Total	10.0		mg/kg	2.14	0.208	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Potassium, Total	395		mg/kg	214	12.4	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Selenium, Total	0.523	J	mg/kg	1.72	0.221	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.858	0.243	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Sodium, Total	534		mg/kg	172	2.70	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.72	0.270	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Vanadium, Total	27.5		mg/kg	0.858	0.174	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB
Zinc, Total	22.3		mg/kg	4.29	0.251	2	10/16/18 17:55	10/18/18 00:38	EPA 3050B	1,6010D	AB

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-05
Client ID: FS-3A-56-F8
Sample Location: YONKERS, NY
Date Collected: 10/11/18 09:50
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7720		mg/kg	8.64	2.33	2	10/16/18 17:55	10/18/18 04:44	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.32	0.328	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Arsenic, Total	2.02		mg/kg	0.864	0.180	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Barium, Total	34.0		mg/kg	0.864	0.150	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Beryllium, Total	0.285	J	mg/kg	0.432	0.029	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Cadmium, Total	0.216	J	mg/kg	0.864	0.085	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Calcium, Total	749		mg/kg	8.64	3.02	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Chromium, Total	21.7		mg/kg	0.864	0.083	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Cobalt, Total	5.98		mg/kg	1.73	0.143	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Copper, Total	14.2		mg/kg	0.864	0.223	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Iron, Total	13600		mg/kg	4.32	0.780	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Lead, Total	9.17		mg/kg	4.32	0.231	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Magnesium, Total	2410		mg/kg	8.64	1.33	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Manganese, Total	294		mg/kg	0.864	0.137	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.070	0.015	1	10/16/18 08:30	10/16/18 19:23	EPA 7471B	1,7471B	EA
Nickel, Total	14.5		mg/kg	2.16	0.209	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Potassium, Total	461		mg/kg	216	12.4	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Selenium, Total	0.285	J	mg/kg	1.73	0.223	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.864	0.244	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Sodium, Total	405		mg/kg	173	2.72	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.73	0.272	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Vanadium, Total	23.0		mg/kg	0.864	0.175	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB
Zinc, Total	21.9		mg/kg	4.32	0.253	2	10/16/18 17:55	10/18/18 00:42	EPA 3050B	1,6010D	AB

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-06
Client ID: SW-3A-28
Sample Location: YONKERS, NY
Date Collected: 10/11/18 10:00
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7570		mg/kg	8.72	2.36	2	10/16/18 17:55	10/18/18 04:48	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.36	0.332	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Arsenic, Total	2.21		mg/kg	0.872	0.182	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Barium, Total	30.1		mg/kg	0.872	0.152	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Beryllium, Total	0.244	J	mg/kg	0.436	0.029	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Cadmium, Total	0.183	J	mg/kg	0.872	0.086	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Calcium, Total	1030		mg/kg	8.72	3.05	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Chromium, Total	21.5		mg/kg	0.872	0.084	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Cobalt, Total	5.34		mg/kg	1.74	0.145	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Copper, Total	14.8		mg/kg	0.872	0.225	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Iron, Total	12900		mg/kg	4.36	0.788	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Lead, Total	3.61	J	mg/kg	4.36	0.234	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Magnesium, Total	2490		mg/kg	8.72	1.34	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Manganese, Total	266		mg/kg	0.872	0.139	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.071	0.015	1	10/16/18 08:30	10/16/18 19:25	EPA 7471B	1,7471B	EA
Nickel, Total	16.2		mg/kg	2.18	0.211	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Potassium, Total	415		mg/kg	218	12.6	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.74	0.225	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.872	0.247	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Sodium, Total	115	J	mg/kg	174	2.75	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.74	0.275	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Vanadium, Total	21.4		mg/kg	0.872	0.177	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB
Zinc, Total	21.4		mg/kg	4.36	0.256	2	10/16/18 17:55	10/18/18 00:47	EPA 3050B	1,6010D	AB

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-07
Client ID: FD01-3A-181011
Sample Location: YONKERS, NY
Date Collected: 10/11/18 00:00
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11000		mg/kg	9.17	2.48	2	10/16/18 17:55	10/18/18 04:52	EPA 3050B	1,6010D	AB
Antimony, Total	0.458	J	mg/kg	4.58	0.348	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Arsenic, Total	3.35		mg/kg	0.917	0.191	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Barium, Total	58.6		mg/kg	0.917	0.160	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Beryllium, Total	0.376	J	mg/kg	0.458	0.030	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Cadmium, Total	0.358	J	mg/kg	0.917	0.090	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Calcium, Total	1040		mg/kg	9.17	3.21	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Chromium, Total	27.7		mg/kg	0.917	0.088	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Cobalt, Total	10.2		mg/kg	1.83	0.152	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Copper, Total	18.5		mg/kg	0.917	0.236	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Iron, Total	23600		mg/kg	4.58	0.828	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Lead, Total	10.8		mg/kg	4.58	0.246	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Magnesium, Total	3420		mg/kg	9.17	1.41	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Manganese, Total	682		mg/kg	0.917	0.146	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.072	0.015	1	10/16/18 08:30	10/16/18 19:27	EPA 7471B	1,7471B	EA
Nickel, Total	18.9		mg/kg	2.29	0.222	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Potassium, Total	443		mg/kg	229	13.2	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Selenium, Total	0.468	J	mg/kg	1.83	0.236	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.917	0.259	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Sodium, Total	145	J	mg/kg	183	2.89	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.83	0.289	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Vanadium, Total	34.2		mg/kg	0.917	0.186	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB
Zinc, Total	27.4		mg/kg	4.58	0.269	2	10/16/18 17:55	10/18/18 00:51	EPA 3050B	1,6010D	AB

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

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): 01,03-07 Batch: WG1168435-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	10/16/18 08:30	10/16/18 18:46	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1168629-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Iron, Total	ND		mg/kg	2.00	0.361	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Sodium, Total	ND		mg/kg	80.0	1.26	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/16/18 17:55	10/17/18 21:30	1,6010D	AB

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

Method Blank Analysis
Batch Quality Control

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): 02 Batch: WG1169097-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	10/17/18 11:30	10/17/18 22:27	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1841313

Report Date: 10/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-07 Batch: WG1168435-2 SRM Lot Number: D102-540								
Mercury, Total	103		-		65-134	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1841313

Report Date: 10/18/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1168629-2 SRM Lot Number: D102-540					
Aluminum, Total	61	-	49-150	-	
Antimony, Total	136	-	1-199	-	
Arsenic, Total	88	-	83-117	-	
Barium, Total	84	-	83-118	-	
Beryllium, Total	88	-	83-116	-	
Cadmium, Total	96	-	83-118	-	
Calcium, Total	83	-	82-118	-	
Chromium, Total	85	-	83-117	-	
Cobalt, Total	86	-	84-116	-	
Copper, Total	85	-	84-116	-	
Iron, Total	80	-	61-139	-	
Lead, Total	85	-	82-118	-	
Magnesium, Total	76	-	76-124	-	
Manganese, Total	84	-	82-118	-	
Nickel, Total	88	-	83-117	-	
Potassium, Total	72	-	70-130	-	
Selenium, Total	90	-	79-121	-	
Silver, Total	88	-	80-120	-	
Sodium, Total	94	-	74-126	-	
Thallium, Total	92	-	81-119	-	
Vanadium, Total	85	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1841313

Report Date: 10/18/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1168629-2 SRM Lot Number: D102-540					
Zinc, Total	85	-	81-118	-	
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1169097-2 SRM Lot Number: D102-540					
Mercury, Total	70	-	65-134	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

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): 01,03-07 QC Batch ID: WG1168435-3 WG1168435-4 QC Sample: L1800010-153 Client ID: MS Sample												
Mercury, Total	0.274	0.126	0.173	**0**	Q	0.033J	**0**	Q	80-120	**136**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

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): 01-07 QC Batch ID: WG1168629-3 WG1168629-4 QC Sample: L1841313-02 Client ID: SW-3A-26												
Aluminum, Total	11300	180	11400	**55**	Q	12100	**432**	Q	75-125	6		20
Antimony, Total	0.580J	45.1	38.9	86		35.4	76		75-125	9		20
Arsenic, Total	3.91	10.8	13.4	88		14.4	94		75-125	7		20
Barium, Total	86.9	180	240	85		246	86		75-125	2		20
Beryllium, Total	0.413J	4.51	4.32	96		4.44	96		75-125	3		20
Cadmium, Total	0.378J	4.6	4.60	100		4.79	101		75-125	4		20
Calcium, Total	9890	902	2050	**0**	Q	2550	**0**	Q	75-125	**22**	Q	20
Chromium, Total	22.7	18	39.4	92		41.0	99		75-125	4		20
Cobalt, Total	6.66	45.1	46.0	87		48.0	89		75-125	4		20
Copper, Total	21.6	22.6	36.8	**67**	Q	41.9	88		75-125	13		20
Iron, Total	15100	90.2	17400	**2550**	Q	19000	**4210**	Q	75-125	9		20
Lead, Total	199.	46	113	**0**	Q	134	**0**	Q	75-125	17		20
Magnesium, Total	7200	902	3440	**0**	Q	3970	**0**	Q	75-125	14		20
Manganese, Total	188.	45.1	450	**581**	Q	577	**841**	Q	75-125	**25**	Q	20
Nickel, Total	14.1	45.1	52.9	86		56.6	92		75-125	7		20
Potassium, Total	461.	902	1240	86		1370	98		75-125	10		20
Selenium, Total	0.281J	10.8	10.1	93		10.4	94		75-125	3		20
Silver, Total	ND	27.1	27.5	102		28.4	102		75-125	3		20
Sodium, Total	414.	902	1180	85		1250	90		75-125	6		20
Thallium, Total	ND	10.8	8.08	75		8.19	**74**	Q	75-125	1		20
Vanadium, Total	24.2	45.1	66.1	93		71.4	102		75-125	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

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): 01-07 QC Batch ID: WG1168629-3 WG1168629-4 QC Sample: L1841313-02 Client ID: SW-3A-26												
Zinc, Total	138.	45.1	106	**0**	Q	115	**0**	Q	75-125	8		20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1169097-3 WG1169097-4 QC Sample: L1841313-02 Client ID: SW-3A-26												
Mercury, Total	0.117	0.148	0.505	**261**	Q	0.239	82		80-120	**72**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-01
Client ID: FS-3A-54-H8
Sample Location: YONKERS, NY

Date Collected: 10/11/18 08:40
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	0.336	J	mg/kg	0.927	0.185	1	10/15/18 18:15	10/17/18 00:05	1,7196A	AJ
pH	7.7		SU	-	NA	1	-	10/15/18 19:05	1,9045D	AS
Oxidation/Reduction Potential	320		mv	-	NA	1	-	10/15/18 19:05	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	10/12/18 02:23	121,2540G	FN

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-02
Client ID: SW-3A-26
Sample Location: YONKERS, NY

Date Collected: 10/11/18 08:50
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	0.198	J	mg/kg	0.931	0.186	1	10/15/18 18:15	10/17/18 00:05	1,7196A	AJ
pH	8.4		SU	-	NA	1	-	10/15/18 19:05	1,9045D	AS
Oxidation/Reduction Potential	130		mv	-	NA	1	-	10/15/18 19:05	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	10/12/18 02:23	121,2540G	FN

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-03
Client ID: FS-3A-55-G8
Sample Location: YONKERS, NY

Date Collected: 10/11/18 09:10
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	ND		mg/kg	0.917	0.183	1	10/15/18 18:15	10/17/18 00:05	1,7196A	AJ
pH	8.0		SU	-	NA	1	-	10/15/18 19:05	1,9045D	AS
Oxidation/Reduction Potential	140		mv	-	NA	1	-	10/15/18 19:05	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	10/12/18 02:23	121,2540G	FN

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-04
Client ID: SW-3A-27
Sample Location: YONKERS, NY

Date Collected: 10/11/18 09:40
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	0.399	J	mg/kg	0.911	0.182	1	10/15/18 18:15	10/17/18 00:05	1,7196A	AJ
pH	8.1		SU	-	NA	1	-	10/15/18 19:05	1,9045D	AS
Oxidation/Reduction Potential	180		mv	-	NA	1	-	10/15/18 19:05	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	10/12/18 02:23	121,2540G	FN

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-05
Client ID: FS-3A-56-F8
Sample Location: YONKERS, NY

Date Collected: 10/11/18 09:50
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	0.324	J	mg/kg	0.895	0.179	1	10/15/18 18:15	10/17/18 00:05	1,7196A	AJ
pH	8.2		SU	-	NA	1	-	10/15/18 19:05	1,9045D	AS
Oxidation/Reduction Potential	140		mv	-	NA	1	-	10/15/18 19:05	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	10/12/18 02:23	121,2540G	FN

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-06
Client ID: SW-3A-28
Sample Location: YONKERS, NY

Date Collected: 10/11/18 10:00
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	0.586	J	mg/kg	0.902	0.180	1	10/15/18 18:15	10/17/18 00:05	1,7196A	AJ
pH	8.2		SU	-	NA	1	-	10/15/18 19:05	1,9045D	AS
Oxidation/Reduction Potential	190		mv	-	NA	1	-	10/15/18 19:05	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	10/12/18 02:23	121,2540G	FN

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

SAMPLE RESULTS

Lab ID: L1841313-07
Client ID: FD01-3A-181011
Sample Location: YONKERS, NY

Date Collected: 10/11/18 00:00
Date Received: 10/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	0.736	J	mg/kg	0.920	0.184	1	10/15/18 18:15	10/17/18 00:05	1,7196A	AJ
pH	7.8		SU	-	NA	1	-	10/15/18 19:05	1,9045D	AS
Oxidation/Reduction Potential	190		mv	-	NA	1	-	10/15/18 19:05	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	10/12/18 02:23	121,2540G	FN

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1841313
Report Date: 10/18/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab for sample(s): 01-07 Batch: WG1168311-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/15/18 18:15	10/17/18 00:05	1,7196A	AJ

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1841313

Report Date: 10/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01-07		Batch: WG1168291-1					
pH	101		-		99-101	-		
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01-07		Batch: WG1168292-1					
Oxidation/Reduction Potential	100		-		90-110	-		20
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01-07		Batch: WG1168311-2					
Chromium, Hexavalent	83		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1168311-4 WG1168311-5 QC Sample: L1841313-02 Client ID: SW-3A-26												
Chromium, Hexavalent	0.198J	814	740	91		1750	99		75-125	**81**	Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1167251-1 QC Sample: L1841313-02 Client ID: SW-3A-26						
Solids, Total	85.9	86.2	%	0		20
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1168291-2 QC Sample: L1841313-02 Client ID: SW-3A-26						
pH	8.4	8.3	SU	1		5
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1168292-2 QC Sample: L1841313-02 Client ID: SW-3A-26						
Oxidation/Reduction Potential	130	110	mv	17		20
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1168311-7 QC Sample: L1841313-02 Client ID: SW-3A-26						
Chromium, Hexavalent	0.198J	0.210J	mg/kg	NC		20

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

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(*)
L1841313-01A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NJ-8260HLW(14)
L1841313-01B	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-01C	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-01D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1841313-01E	Glass 60mL/2oz unpreserved	A	NA		3.2	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)
L1841313-01F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1841313-02A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NJ-8260HLW(14)
L1841313-02B	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-02C	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-02D	Vial MeOH preserved	A	NA		3.2	Y	Absent		NJ-8260HLW(14)
L1841313-02E	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-02F	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-02G	Vial MeOH preserved	A	NA		3.2	Y	Absent		NJ-8260HLW(14)
L1841313-02H	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-02I	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-02J	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1841313-02K	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1841313-02L	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1841313-02M	Glass 60mL/2oz unpreserved	A	NA		3.2	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)
L1841313-02N	Glass 60mL/2oz unpreserved	A	NA		3.2	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)
L1841313-02O	Glass 60mL/2oz unpreserved	A	NA		3.2	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)
L1841313-02P	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1841313-02Q	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1841313-02R	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1841313-03A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NJ-8260HLW(14)
L1841313-03B	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-03C	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-03D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1841313-03E	Glass 60mL/2oz unpreserved	A	NA		3.2	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)
L1841313-03F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1841313-04A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NJ-8260HLW(14)
L1841313-04B	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-04C	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-04D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1841313-04E	Glass 60mL/2oz unpreserved	A	NA		3.2	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)
L1841313-04F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1841313-05A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NJ-8260HLW(14)
L1841313-05B	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-05C	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-05D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1841313-05E	Glass 60mL/2oz unpreserved	A	NA		3.2	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)
L1841313-05F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1841313-06A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NJ-8260HLW(14)
L1841313-06B	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-06C	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-06D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1841313-06E	Glass 60mL/2oz unpreserved	A	NA		3.2	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)
L1841313-06F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1841313-07A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NJ-8260HLW(14)
L1841313-07B	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-07C	Vial water preserved	A	NA		3.2	Y	Absent	12-OCT-18 02:42	NJ-8260HLW(14)
L1841313-07D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1841313
Report Date: 10/18/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1841313-07E	Glass 60mL/2oz unpreserved	A	NA		3.2	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)
L1841313-07F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)

*Values in parentheses indicate holding time in days

Project Name:	CPG III	**Lab Number:**	L1841313
Project Number:	15.5268	**Report Date:**	10/18/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
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.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
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

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.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG III	**Lab Number:**	L1841313
Project Number:	15.5268	**Report Date:**	10/18/18

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.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. 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).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG III	**Lab Number:**	L1841313
Project Number:	15.5268	**Report Date:**	10/18/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

68 Annual Book of ASTM (American Society for Testing and Materials) Standards following extraction by SW-846 EPA Method 9045C under the requirements of MADEP BWSC, WSC-CAM-VIB. August 2004.

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 ANALYTICAL

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: 10/11/18

ALPHA Job #: L1841313

Client Information
Client: C.T. Male Associates
Address: 50 Century Hill Dr
Latham NY 12110
Phone: (518) 786-7400
Fax:
Email: K.Moline@CTMale.Com

Project Information
Project Name: CPG III
Project Location: Yonkers, NY
Project #: 15.5268
(Use Project name as Project #)
Project Manager: Kirk Moline
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

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.

ANALYSIS

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	TCL VOC	TCL SVOC	TAL Metals	Hex Cr	Total Hg Metals	Sample Specific Comments	Total Bottle
41313-01	FS-3A-54-H8	10/11/18	0840	Soil	CO	✓	✓	✓	✓	✓	6'	6
02	SW-3A-26	10/11/18	0850	Soil	CO	✓	✓	✓	✓	✓	MS/MSD 4' (H8)	18
03	FS-3A-55-G8	10/11/18	0910	Soil	CO	✓	✓	✓	✓	✓	6'	6
04	SW-3A-27	10/11/18	0940	Soil	CO	✓	✓	✓	✓	✓	4' (G8)	6
05	FS-3A-56-F8	10/11/18	0955	Soil	CO	✓	✓	✓	✓	✓	6'	6
06	SW-3A-28	10/11/18	1000	Soil	CO	✓	✓	✓	✓	✓	4' (F8)	6
07	FD01-3A-181011	10/11/18	—	Soil	CO	✓	✓	✓	✓	✓		6

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

Container Type	V	A	A	A	A				
Preservative	F/O	A	A	A	A				

Relinquished By:	Date/Time	Received By:	Date/Time
[redacted]	10/11/18 1524	[redacted] ALPHA	10/11/18 1524
[redacted]	10/11/18 1735	D. Santos AAL	10/11/18 1830
D. Santos AAL	10/11/18 2245	[redacted] 10/11/18	22:45

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 & CONSTITUTIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1842316
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Kirk Moline
Phone:	(518) 786-7400
Project Name:	CPG III A
Project Number:	15.5268
Report Date:	10/24/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1842316-01	FS-3A-057-E8	SOIL	YONKERS, NY	10/17/18 08:40	10/17/18
L1842316-02	FS-3A-058-D8	SOIL	YONKERS, NY	10/17/18 08:45	10/17/18
L1842316-03	SW-3A-029	SOIL	YONKERS, NY	10/17/18 12:30	10/17/18
L1842316-04	SW-3A-030	SOIL	YONKERS, NY	10/17/18 12:35	10/17/18

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	CPG III A	**Lab Number:**	L1842316
Project Number:	15.5268	**Report Date:**	10/24/18

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

WG1171272-3/-4: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Please refer to the QC section of the report for specific details.

Base/Neutral Extractables

WG1169841-2/-3: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Difficult analytes may recover at less than 10% recovery, where applicable. Please refer to the QC section of the report for specific details.

Total Metals

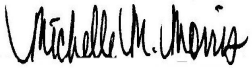
L1842316-01 through -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1170864-3 MS recoveries for aluminum (452%), iron (773%) and manganese (11%), performed on L1842316-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1170864-3 MS recovery, performed on L1842316-01, is outside the acceptance criteria for lead (73%). A post digestion spike was performed and was within acceptance criteria.

The WG1170864-4 Laboratory Duplicate RPD for lead (42%), performed on L1842316-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 10/24/18

ORGANICS

VOLATILES

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-01
Client ID: FS-3A-057-E8
Sample Location: YONKERS, NY

Date Collected: 10/17/18 08:40
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/23/18 00:27
Analyst: NLK
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0032	0.0011	1
1,4-Dioxane	ND		mg/kg	0.11	0.037	1
1,2-Dibromoethane	ND		mg/kg	0.0011	0.00030	1
Methylene chloride	ND		mg/kg	0.0053	0.0024	1
1,1-Dichloroethane	ND		mg/kg	0.0011	0.00015	1
Chloroform	ND		mg/kg	0.0016	0.00015	1
Carbon tetrachloride	ND		mg/kg	0.0011	0.00024	1
1,2-Dichloropropane	ND		mg/kg	0.0011	0.00013	1
Dibromochloromethane	ND		mg/kg	0.0011	0.00015	1
1,1,2-Trichloroethane	ND		mg/kg	0.0011	0.00028	1
Tetrachloroethene	ND		mg/kg	0.00053	0.00021	1
Chlorobenzene	ND		mg/kg	0.00053	0.00014	1
Trichlorofluoromethane	ND		mg/kg	0.0042	0.00074	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00027	1
1,1,1-Trichloroethane	ND		mg/kg	0.00053	0.00018	1
Bromodichloromethane	ND		mg/kg	0.00053	0.00012	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00029	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00053	0.00017	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00053	0.00017	1
Bromoform	ND		mg/kg	0.0042	0.00026	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00053	0.00018	1
Benzene	ND		mg/kg	0.00053	0.00018	1
Toluene	ND		mg/kg	0.0011	0.00058	1
Ethylbenzene	ND		mg/kg	0.0011	0.00015	1
Chloromethane	ND		mg/kg	0.0042	0.00099	1
Bromomethane	ND		mg/kg	0.0021	0.00062	1
Vinyl chloride	ND		mg/kg	0.0011	0.00036	1
Chloroethane	ND		mg/kg	0.0021	0.00048	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-01
Client ID: FS-3A-057-E8
Sample Location: YONKERS, NY
Date Collected: 10/17/18 08:40
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.0011	0.00025	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0016	0.00014	1
Trichloroethene	ND		mg/kg	0.00053	0.00014	1
1,2-Dichlorobenzene	ND		mg/kg	0.0021	0.00015	1
1,3-Dichlorobenzene	ND		mg/kg	0.0021	0.00016	1
1,4-Dichlorobenzene	ND		mg/kg	0.0021	0.00018	1
Methyl tert butyl ether	ND		mg/kg	0.0021	0.00021	1
p/m-Xylene	ND		mg/kg	0.0021	0.00060	1
o-Xylene	ND		mg/kg	0.0011	0.00031	1
Xylene (Total)	ND		mg/kg	0.0011	0.00031	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	0.00019	1
1,2-Dichloroethene (total)	ND		mg/kg	0.0011	0.00014	1
Styrene	ND		mg/kg	0.0011	0.00021	1
Dichlorodifluoromethane	ND		mg/kg	0.011	0.00097	1
Acetone	0.030		mg/kg	0.011	0.0051	1
Carbon disulfide	ND		mg/kg	0.011	0.0048	1
2-Butanone	ND		mg/kg	0.011	0.0024	1
4-Methyl-2-pentanone	ND		mg/kg	0.011	0.0014	1
2-Hexanone	ND		mg/kg	0.011	0.0012	1
Bromochloromethane	ND		mg/kg	0.0021	0.00022	1
Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0021	0.00034	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0021	0.00029	1
Methyl Acetate	ND		mg/kg	0.0042	0.0010	1
Cyclohexane	ND		mg/kg	0.011	0.00058	1
Methyl cyclohexane	ND		mg/kg	0.0042	0.00064	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0042	0.00074	1

Tentatively Identified Compounds					
Total TIC Compounds	0.009	J	mg/kg		1
Unknown Cycloalkane	0.009	J	mg/kg		1

Project Name: CPG III A
Lab Number: L1842316
Project Number: 15.5268
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-01
Client ID: FS-3A-057-E8
Sample Location: YONKERS, NY

Date Collected: 10/17/18 08:40
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-02
Client ID: FS-3A-058-D8
Sample Location: YONKERS, NY

Date Collected: 10/17/18 08:45
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/23/18 00:52
Analyst: NLK
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0029	0.00096	1
1,4-Dioxane	ND		mg/kg	0.096	0.034	1
1,2-Dibromoethane	ND		mg/kg	0.00096	0.00027	1
Methylene chloride	ND		mg/kg	0.0048	0.0022	1
1,1-Dichloroethane	ND		mg/kg	0.00096	0.00014	1
Chloroform	ND		mg/kg	0.0014	0.00013	1
Carbon tetrachloride	ND		mg/kg	0.00096	0.00022	1
1,2-Dichloropropane	ND		mg/kg	0.00096	0.00012	1
Dibromochloromethane	ND		mg/kg	0.00096	0.00013	1
1,1,2-Trichloroethane	ND		mg/kg	0.00096	0.00026	1
Tetrachloroethene	ND		mg/kg	0.00048	0.00019	1
Chlorobenzene	ND		mg/kg	0.00048	0.00012	1
Trichlorofluoromethane	ND		mg/kg	0.0038	0.00067	1
1,2-Dichloroethane	ND		mg/kg	0.00096	0.00025	1
1,1,1-Trichloroethane	ND		mg/kg	0.00048	0.00016	1
Bromodichloromethane	ND		mg/kg	0.00048	0.00010	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00096	0.00026	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00048	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00048	0.00015	1
Bromoform	ND		mg/kg	0.0038	0.00024	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00048	0.00016	1
Benzene	ND		mg/kg	0.00048	0.00016	1
Toluene	ND		mg/kg	0.00096	0.00052	1
Ethylbenzene	ND		mg/kg	0.00096	0.00014	1
Chloromethane	ND		mg/kg	0.0038	0.00089	1
Bromomethane	ND		mg/kg	0.0019	0.00056	1
Vinyl chloride	ND		mg/kg	0.00096	0.00032	1
Chloroethane	ND		mg/kg	0.0019	0.00043	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-02
Client ID: FS-3A-058-D8
Sample Location: YONKERS, NY
Date Collected: 10/17/18 08:45
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00096	0.00023	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0014	0.00013	1
Trichloroethene	ND		mg/kg	0.00048	0.00013	1
1,2-Dichlorobenzene	ND		mg/kg	0.0019	0.00014	1
1,3-Dichlorobenzene	ND		mg/kg	0.0019	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0019	0.00016	1
Methyl tert butyl ether	ND		mg/kg	0.0019	0.00019	1
p/m-Xylene	ND		mg/kg	0.0019	0.00054	1
o-Xylene	ND		mg/kg	0.00096	0.00028	1
Xylene (Total)	ND		mg/kg	0.00096	0.00028	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00096	0.00017	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00096	0.00013	1
Styrene	ND		mg/kg	0.00096	0.00019	1
Dichlorodifluoromethane	ND		mg/kg	0.0096	0.00088	1
Acetone	0.018		mg/kg	0.0096	0.0046	1
Carbon disulfide	ND		mg/kg	0.0096	0.0044	1
2-Butanone	ND		mg/kg	0.0096	0.0021	1
4-Methyl-2-pentanone	ND		mg/kg	0.0096	0.0012	1
2-Hexanone	ND		mg/kg	0.0096	0.0011	1
Bromochloromethane	ND		mg/kg	0.0019	0.00020	1
Isopropylbenzene	ND		mg/kg	0.00096	0.00010	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0019	0.00031	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0019	0.00026	1
Methyl Acetate	ND		mg/kg	0.0038	0.00091	1
Cyclohexane	ND		mg/kg	0.0096	0.00052	1
Methyl cyclohexane	ND		mg/kg	0.0038	0.00058	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0038	0.00066	1

Tentatively Identified Compounds				
Total TIC Compounds	0.007	J	mg/kg	1
Unknown Cycloalkane	0.007	J	mg/kg	1

Project Name: CPG III A
Lab Number: L1842316
Project Number: 15.5268
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-02
Client ID: FS-3A-058-D8
Sample Location: YONKERS, NY

Date Collected: 10/17/18 08:45
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-03
Client ID: SW-3A-029
Sample Location: YONKERS, NY

Date Collected: 10/17/18 12:30
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/23/18 01:18
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0028	0.00092	1
1,4-Dioxane	ND		mg/kg	0.092	0.032	1
1,2-Dibromoethane	ND		mg/kg	0.00092	0.00026	1
Methylene chloride	ND		mg/kg	0.0046	0.0021	1
1,1-Dichloroethane	ND		mg/kg	0.00092	0.00013	1
Chloroform	ND		mg/kg	0.0014	0.00013	1
Carbon tetrachloride	ND		mg/kg	0.00092	0.00021	1
1,2-Dichloropropane	ND		mg/kg	0.00092	0.00012	1
Dibromochloromethane	ND		mg/kg	0.00092	0.00013	1
1,1,2-Trichloroethane	ND		mg/kg	0.00092	0.00025	1
Tetrachloroethene	ND		mg/kg	0.00046	0.00018	1
Chlorobenzene	ND		mg/kg	0.00046	0.00012	1
Trichlorofluoromethane	ND		mg/kg	0.0037	0.00064	1
1,2-Dichloroethane	ND		mg/kg	0.00092	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.00046	0.00015	1
Bromodichloromethane	ND		mg/kg	0.00046	0.00010	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00092	0.00025	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00046	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00046	0.00014	1
Bromoform	ND		mg/kg	0.0037	0.00023	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00046	0.00015	1
Benzene	0.00032	J	mg/kg	0.00046	0.00015	1
Toluene	ND		mg/kg	0.00092	0.00050	1
Ethylbenzene	ND		mg/kg	0.00092	0.00013	1
Chloromethane	ND		mg/kg	0.0037	0.00086	1
Bromomethane	ND		mg/kg	0.0018	0.00054	1
Vinyl chloride	ND		mg/kg	0.00092	0.00031	1
Chloroethane	ND		mg/kg	0.0018	0.00042	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-03
Client ID: SW-3A-029
Sample Location: YONKERS, NY
Date Collected: 10/17/18 12:30
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00092	0.00022	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0014	0.00013	1
Trichloroethene	ND		mg/kg	0.00046	0.00013	1
1,2-Dichlorobenzene	ND		mg/kg	0.0018	0.00013	1
1,3-Dichlorobenzene	ND		mg/kg	0.0018	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0018	0.00016	1
Methyl tert butyl ether	ND		mg/kg	0.0018	0.00018	1
p/m-Xylene	ND		mg/kg	0.0018	0.00052	1
o-Xylene	ND		mg/kg	0.00092	0.00027	1
Xylene (Total)	ND		mg/kg	0.00092	0.00027	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00092	0.00016	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00092	0.00013	1
Styrene	ND		mg/kg	0.00092	0.00018	1
Dichlorodifluoromethane	ND		mg/kg	0.0092	0.00084	1
Acetone	0.011		mg/kg	0.0092	0.0044	1
Carbon disulfide	ND		mg/kg	0.0092	0.0042	1
2-Butanone	ND		mg/kg	0.0092	0.0020	1
4-Methyl-2-pentanone	ND		mg/kg	0.0092	0.0012	1
2-Hexanone	ND		mg/kg	0.0092	0.0011	1
Bromochloromethane	ND		mg/kg	0.0018	0.00019	1
Isopropylbenzene	ND		mg/kg	0.00092	0.00010	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0018	0.00030	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0018	0.00025	1
Methyl Acetate	ND		mg/kg	0.0037	0.00088	1
Cyclohexane	ND		mg/kg	0.0092	0.00050	1
Methyl cyclohexane	ND		mg/kg	0.0037	0.00056	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0037	0.00064	1

Tentatively Identified Compounds					
Total TIC Compounds	0.006	J	mg/kg		1
Cyclopentane	0.006	NJ	mg/kg		1

Project Name: CPG III A
Lab Number: L1842316
Project Number: 15.5268
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-03
Client ID: SW-3A-029
Sample Location: YONKERS, NY
Date Collected: 10/17/18 12:30
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-04
Client ID: SW-3A-030
Sample Location: YONKERS, NY

Date Collected: 10/17/18 12:35
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/23/18 01:43
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0029	0.00098	1
1,4-Dioxane	ND		mg/kg	0.098	0.034	1
1,2-Dibromoethane	ND		mg/kg	0.00098	0.00027	1
Methylene chloride	ND		mg/kg	0.0049	0.0022	1
1,1-Dichloroethane	ND		mg/kg	0.00098	0.00014	1
Chloroform	ND		mg/kg	0.0015	0.00014	1
Carbon tetrachloride	ND		mg/kg	0.00098	0.00022	1
1,2-Dichloropropane	ND		mg/kg	0.00098	0.00012	1
Dibromochloromethane	ND		mg/kg	0.00098	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.00098	0.00026	1
Tetrachloroethene	ND		mg/kg	0.00049	0.00019	1
Chlorobenzene	ND		mg/kg	0.00049	0.00012	1
Trichlorofluoromethane	ND		mg/kg	0.0039	0.00068	1
1,2-Dichloroethane	ND		mg/kg	0.00098	0.00025	1
1,1,1-Trichloroethane	ND		mg/kg	0.00049	0.00016	1
Bromodichloromethane	ND		mg/kg	0.00049	0.00011	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00098	0.00027	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00049	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00049	0.00015	1
Bromoform	ND		mg/kg	0.0039	0.00024	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00049	0.00016	1
Benzene	ND		mg/kg	0.00049	0.00016	1
Toluene	ND		mg/kg	0.00098	0.00053	1
Ethylbenzene	ND		mg/kg	0.00098	0.00014	1
Chloromethane	ND		mg/kg	0.0039	0.00091	1
Bromomethane	ND		mg/kg	0.0020	0.00057	1
Vinyl chloride	ND		mg/kg	0.00098	0.00033	1
Chloroethane	ND		mg/kg	0.0020	0.00044	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-04
Client ID: SW-3A-030
Sample Location: YONKERS, NY
Date Collected: 10/17/18 12:35
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00098	0.00023	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00013	1
Trichloroethene	ND		mg/kg	0.00049	0.00013	1
1,2-Dichlorobenzene	ND		mg/kg	0.0020	0.00014	1
1,3-Dichlorobenzene	ND		mg/kg	0.0020	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0020	0.00017	1
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020	1
p/m-Xylene	ND		mg/kg	0.0020	0.00055	1
o-Xylene	ND		mg/kg	0.00098	0.00028	1
Xylene (Total)	ND		mg/kg	0.00098	0.00028	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00098	0.00017	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00098	0.00013	1
Styrene	ND		mg/kg	0.00098	0.00019	1
Dichlorodifluoromethane	ND		mg/kg	0.0098	0.00090	1
Acetone	0.033		mg/kg	0.0098	0.0047	1
Carbon disulfide	ND		mg/kg	0.0098	0.0045	1
2-Butanone	ND		mg/kg	0.0098	0.0022	1
4-Methyl-2-pentanone	ND		mg/kg	0.0098	0.0012	1
2-Hexanone	ND		mg/kg	0.0098	0.0012	1
Bromochloromethane	ND		mg/kg	0.0020	0.00020	1
Isopropylbenzene	ND		mg/kg	0.00098	0.00011	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	0.00032	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	0.00027	1
Methyl Acetate	ND		mg/kg	0.0039	0.00093	1
Cyclohexane	ND		mg/kg	0.0098	0.00053	1
Methyl cyclohexane	ND		mg/kg	0.0039	0.00059	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0039	0.00068	1

Tentatively Identified Compounds				
Total TIC Compounds	0.011	J	mg/kg	1
Unknown Cycloalkane	0.011	J	mg/kg	1

Project Name: CPG III A
Lab Number: L1842316
Project Number: 15.5268
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-04
Client ID: SW-3A-030
Sample Location: YONKERS, NY
Date Collected: 10/17/18 12:35
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/22/18 21:04
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-04 Batch: WG1171272-5					
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.0010
1,4-Dioxane	ND		mg/kg	0.10	0.035
1,2-Dibromoethane	ND		mg/kg	0.0010	0.00028
Methylene chloride	ND		mg/kg	0.0050	0.0023
1,1-Dichloroethane	ND		mg/kg	0.0010	0.00014
Chloroform	ND		mg/kg	0.0015	0.00014
Carbon tetrachloride	ND		mg/kg	0.0010	0.00023
1,2-Dichloropropane	ND		mg/kg	0.0010	0.00012
Dibromochloromethane	ND		mg/kg	0.0010	0.00014
1,1,2-Trichloroethane	ND		mg/kg	0.0010	0.00027
2-Chloroethylvinyl ether	ND		mg/kg	0.020	0.0016
Tetrachloroethene	ND		mg/kg	0.00050	0.00020
Chlorobenzene	ND		mg/kg	0.00050	0.00013
Trichlorofluoromethane	ND		mg/kg	0.0040	0.00070
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
1,1,1-Trichloroethane	ND		mg/kg	0.00050	0.00017
Bromodichloromethane	ND		mg/kg	0.00050	0.00011
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00027
cis-1,3-Dichloropropene	ND		mg/kg	0.00050	0.00016
1,3-Dichloropropene, Total	ND		mg/kg	0.00050	0.00016
1,1-Dichloropropene	ND		mg/kg	0.00050	0.00016
Bromoform	ND		mg/kg	0.0040	0.00025
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00017
Benzene	ND		mg/kg	0.00050	0.00017
Toluene	ND		mg/kg	0.0010	0.00054
Ethylbenzene	ND		mg/kg	0.0010	0.00014
Chloromethane	ND		mg/kg	0.0040	0.00093
Bromomethane	ND		mg/kg	0.0020	0.00058
Vinyl chloride	ND		mg/kg	0.0010	0.00034

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/22/18 21:04
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-04 Batch: WG1171272-5					
Chloroethane	ND		mg/kg	0.0020	0.00045
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00024
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00014
Trichloroethene	ND		mg/kg	0.00050	0.00014
1,2-Dichlorobenzene	ND		mg/kg	0.0020	0.00014
1,3-Dichlorobenzene	ND		mg/kg	0.0020	0.00015
1,4-Dichlorobenzene	ND		mg/kg	0.0020	0.00017
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylene (Total)	ND		mg/kg	0.0010	0.00029
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00018
1,2-Dichloroethene (total)	ND		mg/kg	0.0010	0.00014
Dibromomethane	ND		mg/kg	0.0020	0.00024
1,4-Dichlorobutane	ND		mg/kg	0.010	0.00023
1,2,3-Trichloropropane	ND		mg/kg	0.0020	0.00013
Styrene	ND		mg/kg	0.0010	0.00020
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00092
Acetone	ND		mg/kg	0.010	0.0048
Carbon disulfide	ND		mg/kg	0.010	0.0046
2-Butanone	ND		mg/kg	0.010	0.0022
Vinyl acetate	ND		mg/kg	0.010	0.0022
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.0013
2-Hexanone	ND		mg/kg	0.010	0.0012
Ethyl methacrylate	ND		mg/kg	0.010	0.0016
Acrolein	ND		mg/kg	0.025	0.0056
Acrylonitrile	ND		mg/kg	0.0040	0.0012
Bromochloromethane	ND		mg/kg	0.0020	0.00020
Tetrahydrofuran	ND		mg/kg	0.0040	0.0016

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/22/18 21:04
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-04 Batch: WG1171272-5					
2,2-Dichloropropane	ND		mg/kg	0.0020	0.00020
1,3-Dichloropropane	ND		mg/kg	0.0020	0.00017
1,1,1,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00013
Bromobenzene	ND		mg/kg	0.0020	0.00014
n-Butylbenzene	ND		mg/kg	0.0010	0.00017
sec-Butylbenzene	ND		mg/kg	0.0010	0.00015
tert-Butylbenzene	ND		mg/kg	0.0020	0.00012
o-Chlorotoluene	ND		mg/kg	0.0020	0.00019
p-Chlorotoluene	ND		mg/kg	0.0020	0.00011
Hexachlorobutadiene	ND		mg/kg	0.0040	0.00017
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
p-Isopropyltoluene	ND		mg/kg	0.0010	0.00011
Naphthalene	ND		mg/kg	0.0040	0.00065
n-Propylbenzene	ND		mg/kg	0.0010	0.00017
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	0.00032
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	0.00027
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
trans-1,4-Dichloro-2-butene	ND		mg/kg	0.0050	0.0014
Ethyl ether	ND		mg/kg	0.0020	0.00034
Methyl Acetate	ND		mg/kg	0.0040	0.00095
Ethyl Acetate	ND		mg/kg	0.010	0.0012
Isopropyl Ether	ND		mg/kg	0.0020	0.00021
Cyclohexane	ND		mg/kg	0.010	0.00054
tert-Butyl Alcohol	ND		mg/kg	0.020	0.0051
Ethyl-Tert-Butyl-Ether	ND		mg/kg	0.0020	0.00013
Tertiary-Amyl Methyl Ether	ND		mg/kg	0.0020	0.00018
Methyl cyclohexane	ND		mg/kg	0.0040	0.00060
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0040	0.00069

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/22/18 21:04
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-04 Batch: WG1171272-5					
1,2,4,5-Tetramethylbenzene	ND		mg/kg	0.0020	0.00019
1,4-Diethylbenzene	ND		mg/kg	0.0020	0.00018
4-Ethyltoluene	ND		mg/kg	0.0020	0.00038
Tentatively Identified Compounds					
Total TIC Compounds	0.006	J	mg/kg		
Unknown	0.006	J	mg/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG1171272-3 WG1171272-4								
1,2-Dibromo-3-chloropropane	103		104		40-160	1		30
1,4-Dioxane	99		102		40-160	3		30
1,2-Dibromoethane	105		106		70-130	1		30
Methylene chloride	110		108		70-130	2		30
1,1-Dichloroethane	116		116		70-130	0		30
Chloroform	105		106		70-130	1		30
Carbon tetrachloride	109		109		70-130	0		30
1,2-Dichloropropane	115		114		70-130	1		30
Dibromochloromethane	104		104		70-130	0		30
1,1,2-Trichloroethane	98		99		70-130	1		30
2-Chloroethylvinyl ether	105		107		40-160	2		30
Tetrachloroethene	106		106		70-130	0		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	105		104		40-160	1		30
1,2-Dichloroethane	108		110		70-130	2		30
1,1,1-Trichloroethane	110		110		70-130	0		30
Bromodichloromethane	101		102		70-130	1		30
trans-1,3-Dichloropropene	98		98		70-130	0		30
cis-1,3-Dichloropropene	100		99		40-160	1		30
1,1-Dichloropropene	104		102		70-130	2		30
Bromoform	100		102		40-160	2		30
1,1,2,2-Tetrachloroethane	105		104		40-160	1		30
Benzene	103		102		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1842316

Report Date: 10/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG1171272-3 WG1171272-4								
Toluene	104		103		70-130	1		30
Ethylbenzene	105		103		70-130	2		30
Chloromethane	150		145		40-160	3		30
Bromomethane	121		116		40-160	4		30
Vinyl chloride	102		99		70-130	3		30
Chloroethane	86		83		40-160	4		30
1,1-Dichloroethene	117		114		70-130	3		30
trans-1,2-Dichloroethene	114		113		70-130	1		30
Trichloroethene	108		109		70-130	1		30
1,2-Dichlorobenzene	112		112		70-130	0		30
1,3-Dichlorobenzene	112		112		70-130	0		30
1,4-Dichlorobenzene	113		114		70-130	1		30
Methyl tert butyl ether	98		98		70-130	0		30
p/m-Xylene	108		106		70-130	2		30
o-Xylene	104		102		70-130	2		30
cis-1,2-Dichloroethene	110		109		70-130	1		30
Dibromomethane	104		104		70-130	0		30
1,4-Dichlorobutane	125		124		70-130	1		30
1,2,3-Trichloropropane	102		102		70-130	0		30
Styrene	106		105		40-160	1		30
Dichlorodifluoromethane	114		111		40-160	3		30
Acetone	149		145		40-160	3		30
Carbon disulfide	98		97		40-160	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG1171272-3 WG1171272-4								
2-Butanone	144		140		40-160	3		30
Vinyl acetate	122		121		70-130	1		30
4-Methyl-2-pentanone	118		118		40-160	0		30
2-Hexanone	128		125		40-160	2		30
Ethyl methacrylate	91		90		70-130	1		30
Acrolein	98		95		40-160	3		30
Acrylonitrile	**139**	Q	**139**	Q	70-130	0		30
Bromochloromethane	117		116		70-130	1		30
Tetrahydrofuran	**140**	Q	**138**	Q	70-130	1		30
2,2-Dichloropropane	108		106		40-160	2		30
1,3-Dichloropropane	97		98		70-130	1		30
1,1,1,2-Tetrachloroethane	108		108		70-130	0		30
Bromobenzene	111		111		70-130	0		30
n-Butylbenzene	112		110		70-130	2		30
sec-Butylbenzene	116		115		70-130	1		30
tert-Butylbenzene	118		117		70-130	1		30
o-Chlorotoluene	125		124		70-130	1		30
p-Chlorotoluene	108		107		70-130	1		30
Hexachlorobutadiene	97		97		70-130	0		30
Isopropylbenzene	116		114		70-130	2		30
p-Isopropyltoluene	118		117		70-130	1		30
Naphthalene	120		118		40-160	2		30
n-Propylbenzene	112		111		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1842316

Report Date: 10/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG1171272-3 WG1171272-4								
1,2,3-Trichlorobenzene	106		106		70-130	0		30
1,2,4-Trichlorobenzene	108		106		70-130	2		30
1,3,5-Trimethylbenzene	114		113		70-130	1		30
1,2,4-Trimethylbenzene	112		111		70-130	1		30
trans-1,4-Dichloro-2-butene	121		122		70-130	1		30
Ethyl ether	100		99		70-130	1		30
Methyl Acetate	**147**	Q	**146**	Q	70-130	1		30
Ethyl Acetate	**138**	Q	**137**	Q	70-130	1		30
Isopropyl Ether	**138**	Q	**138**	Q	70-130	0		30
Cyclohexane	130		128		70-130	2		30
tert-Butyl Alcohol	110		107		40-160	3		30
Ethyl-Tert-Butyl-Ether	112		111		70-130	1		30
Tertiary-Amyl Methyl Ether	90		91		70-130	1		30
Methyl cyclohexane	99		98		70-130	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		109		70-130	1		30
1,2,4,5-Tetramethylbenzene	107		105		70-130	2		30
1,4-Diethylbenzene	109		108		70-130	1		30
4-Ethyltoluene	107		106		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG1171272-3 WG1171272-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	97		98		70-130

SEMIVOLATILES

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-01
Client ID: FS-3A-057-E8
Sample Location: YONKERS, NY

Date Collected: 10/17/18 08:40
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/22/18 02:33
Analyst: RC
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/19/18 09:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.016	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.018	1
Hexachlorobenzene	ND		mg/kg	0.056	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.069	0.023	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.15	0.049	1
2,4-Dinitrotoluene	ND		mg/kg	0.096	0.032	1
2,6-Dinitrotoluene	ND		mg/kg	0.076	0.025	1
Fluoranthene	0.042	J	mg/kg	0.12	0.022	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.19	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.23	0.022	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.21	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.072	0.024	1
Hexachlorocyclopentadiene	ND		mg/kg	0.55	0.12	1
Hexachloroethane	ND		mg/kg	0.094	0.031	1
Isophorone	ND		mg/kg	0.065	0.022	1
Naphthalene	ND		mg/kg	0.19	0.024	1
Nitrobenzene	ND		mg/kg	0.086	0.028	1
NDPA/DPA	ND		mg/kg	0.047	0.016	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.049	0.016	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.19	0.020	1
Butyl benzyl phthalate	ND		mg/kg	0.19	0.026	1
Di-n-butylphthalate	ND		mg/kg	0.19	0.017	1
Di-n-octylphthalate	ND		mg/kg	0.19	0.060	1
Diethyl phthalate	ND		mg/kg	0.19	0.017	1
Dimethyl phthalate	ND		mg/kg	0.19	0.018	1
Benzo(a)anthracene	0.026	J	mg/kg	0.065	0.022	1
Benzo(a)pyrene	ND		mg/kg	0.14	0.047	1
Benzo(b)fluoranthene	0.024	J	mg/kg	0.049	0.016	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-01
Client ID: FS-3A-057-E8
Sample Location: YONKERS, NY
Date Collected: 10/17/18 08:40
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	ND		mg/kg	0.040	0.014	1
Chrysene	0.021	J	mg/kg	0.12	0.020	1
Acenaphthylene	ND		mg/kg	0.15	0.022	1
Anthracene	ND		mg/kg	0.12	0.017	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.023	1
Fluorene	ND		mg/kg	0.19	0.018	1
Phenanthrene	0.029	J	mg/kg	0.12	0.014	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.067	0.022	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.081	0.027	1
Pyrene	0.036	J	mg/kg	0.12	0.017	1
4-Chloroaniline	ND		mg/kg	0.19	0.022	1
2-Nitroaniline	ND		mg/kg	0.19	0.035	1
3-Nitroaniline	ND		mg/kg	0.19	0.036	1
4-Nitroaniline	ND		mg/kg	0.19	0.080	1
Dibenzofuran	ND		mg/kg	0.19	0.017	1
2-Methylnaphthalene	ND		mg/kg	0.23	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.11	0.036	1
p-Chloro-m-cresol	ND		mg/kg	0.19	0.029	1
2-Chlorophenol	ND		mg/kg	0.064	0.021	1
2,4-Dichlorophenol	ND		mg/kg	0.093	0.031	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.061	1
2-Nitrophenol	ND		mg/kg	0.42	0.032	1
2,4-Dinitrophenol	ND		mg/kg	0.28	0.090	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.28	0.093	1
Pentachlorophenol	ND		mg/kg	0.13	0.042	1
Phenol	ND		mg/kg	0.19	0.023	1
2-Methylphenol	ND		mg/kg	0.19	0.030	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.28	0.028	1
2,4,5-Trichlorophenol	ND		mg/kg	0.19	0.037	1
Carbazole	ND		mg/kg	0.19	0.012	1
4-Nitrophenol	ND		mg/kg	0.27	0.054	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.19	0.021	1
Benzaldehyde	ND		mg/kg	0.25	0.030	1
Caprolactam	ND		mg/kg	0.19	0.041	1
Acetophenone	ND		mg/kg	0.19	0.020	1
Biphenyl	ND		mg/kg	0.44	0.045	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.19	0.020	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-01
Client ID: FS-3A-057-E8
Sample Location: YONKERS, NY
Date Collected: 10/17/18 08:40
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.068	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.19	0.039	1
Tentatively Identified Compounds						
Total TIC Compounds	0.500	J	mg/kg			1
Unknown	0.210	J	mg/kg			1
Unknown	0.290	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		30-130
Phenol-d6	75		30-130
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	74		30-130
2,4,6-Tribromophenol	63		30-130
4-Terphenyl-d14	72		30-130

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-02
Client ID: FS-3A-058-D8
Sample Location: YONKERS, NY

Date Collected: 10/17/18 08:45
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/20/18 17:46
Analyst: CB
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/19/18 09:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.016	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.018	1
Hexachlorobenzene	ND		mg/kg	0.056	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.070	0.023	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.15	0.050	1
2,4-Dinitrotoluene	ND		mg/kg	0.096	0.032	1
2,6-Dinitrotoluene	ND		mg/kg	0.077	0.026	1
Fluoranthene	ND		mg/kg	0.12	0.022	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.19	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.23	0.022	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.21	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.072	0.024	1
Hexachlorocyclopentadiene	ND		mg/kg	0.55	0.12	1
Hexachloroethane	ND		mg/kg	0.094	0.031	1
Isophorone	ND		mg/kg	0.065	0.022	1
Naphthalene	ND		mg/kg	0.19	0.024	1
Nitrobenzene	ND		mg/kg	0.086	0.029	1
NDPA/DPA	ND		mg/kg	0.048	0.016	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.049	0.016	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.19	0.020	1
Butyl benzyl phthalate	ND		mg/kg	0.19	0.026	1
Di-n-butylphthalate	ND		mg/kg	0.19	0.017	1
Di-n-octylphthalate	ND		mg/kg	0.19	0.060	1
Diethyl phthalate	ND		mg/kg	0.19	0.018	1
Dimethyl phthalate	ND		mg/kg	0.19	0.018	1
Benzo(a)anthracene	ND		mg/kg	0.065	0.022	1
Benzo(a)pyrene	ND		mg/kg	0.14	0.047	1
Benzo(b)fluoranthene	ND		mg/kg	0.049	0.016	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-02
Client ID: FS-3A-058-D8
Sample Location: YONKERS, NY
Date Collected: 10/17/18 08:45
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	ND		mg/kg	0.041	0.014	1
Chrysene	ND		mg/kg	0.12	0.020	1
Acenaphthylene	ND		mg/kg	0.15	0.022	1
Anthracene	ND		mg/kg	0.12	0.017	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.023	1
Fluorene	ND		mg/kg	0.19	0.019	1
Phenanthrene	ND		mg/kg	0.12	0.014	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.067	0.022	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.081	0.027	1
Pyrene	ND		mg/kg	0.12	0.017	1
4-Chloroaniline	ND		mg/kg	0.19	0.022	1
2-Nitroaniline	ND		mg/kg	0.19	0.036	1
3-Nitroaniline	ND		mg/kg	0.19	0.036	1
4-Nitroaniline	ND		mg/kg	0.19	0.080	1
Dibenzofuran	ND		mg/kg	0.19	0.017	1
2-Methylnaphthalene	ND		mg/kg	0.23	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.11	0.037	1
p-Chloro-m-cresol	ND		mg/kg	0.19	0.029	1
2-Chlorophenol	ND		mg/kg	0.064	0.021	1
2,4-Dichlorophenol	ND		mg/kg	0.093	0.031	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.062	1
2-Nitrophenol	ND		mg/kg	0.42	0.032	1
2,4-Dinitrophenol	ND		mg/kg	0.28	0.090	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.28	0.093	1
Pentachlorophenol	ND		mg/kg	0.13	0.042	1
Phenol	ND		mg/kg	0.19	0.023	1
2-Methylphenol	ND		mg/kg	0.19	0.030	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.28	0.028	1
2,4,5-Trichlorophenol	ND		mg/kg	0.19	0.037	1
Carbazole	ND		mg/kg	0.19	0.012	1
4-Nitrophenol	ND		mg/kg	0.27	0.054	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.19	0.022	1
Benzaldehyde	ND		mg/kg	0.26	0.030	1
Caprolactam	ND		mg/kg	0.19	0.041	1
Acetophenone	ND		mg/kg	0.19	0.020	1
Biphenyl	ND		mg/kg	0.44	0.045	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.19	0.020	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-02
Client ID: FS-3A-058-D8
Sample Location: YONKERS, NY
Date Collected: 10/17/18 08:45
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.068	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.19	0.039	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		30-130
Phenol-d6	68		30-130
Nitrobenzene-d5	66		30-130
2-Fluorobiphenyl	70		30-130
2,4,6-Tribromophenol	84		30-130
4-Terphenyl-d14	73		30-130

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-03
Client ID: SW-3A-029
Sample Location: YONKERS, NY

Date Collected: 10/17/18 12:30
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/20/18 19:28
Analyst: CB
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/19/18 09:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.14	0.015	1
2-Chloronaphthalene	ND		mg/kg	0.18	0.017	1
Hexachlorobenzene	ND		mg/kg	0.052	0.017	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.065	0.022	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.14	0.046	1
2,4-Dinitrotoluene	ND		mg/kg	0.090	0.030	1
2,6-Dinitrotoluene	ND		mg/kg	0.072	0.024	1
Fluoranthene	0.36		mg/kg	0.11	0.021	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.18	0.015	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.22	0.021	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.017	1
Hexachlorobutadiene	ND		mg/kg	0.067	0.022	1
Hexachlorocyclopentadiene	ND		mg/kg	0.52	0.11	1
Hexachloroethane	ND		mg/kg	0.088	0.029	1
Isophorone	ND		mg/kg	0.061	0.020	1
Naphthalene	0.15	J	mg/kg	0.18	0.022	1
Nitrobenzene	ND		mg/kg	0.080	0.027	1
NDPA/DPA	ND		mg/kg	0.044	0.015	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.046	0.015	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.18	0.019	1
Butyl benzyl phthalate	ND		mg/kg	0.18	0.024	1
Di-n-butylphthalate	ND		mg/kg	0.18	0.016	1
Di-n-octylphthalate	ND		mg/kg	0.18	0.056	1
Diethyl phthalate	ND		mg/kg	0.18	0.016	1
Dimethyl phthalate	ND		mg/kg	0.18	0.017	1
Benzo(a)anthracene	0.24		mg/kg	0.061	0.020	1
Benzo(a)pyrene	0.18		mg/kg	0.13	0.044	1
Benzo(b)fluoranthene	0.35		mg/kg	0.046	0.015	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-03
Client ID: SW-3A-029
Sample Location: YONKERS, NY
Date Collected: 10/17/18 12:30
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	0.11		mg/kg	0.038	0.013	1
Chrysene	0.22		mg/kg	0.11	0.018	1
Acenaphthylene	0.063	J	mg/kg	0.14	0.020	1
Anthracene	0.048	J	mg/kg	0.11	0.016	1
Benzo(ghi)perylene	0.16		mg/kg	0.14	0.021	1
Fluorene	ND		mg/kg	0.18	0.017	1
Phenanthrene	0.11		mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	0.042	J	mg/kg	0.063	0.021	1
Indeno(1,2,3-cd)pyrene	0.18		mg/kg	0.076	0.025	1
Pyrene	0.34		mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.18	0.021	1
2-Nitroaniline	ND		mg/kg	0.18	0.033	1
3-Nitroaniline	ND		mg/kg	0.18	0.034	1
4-Nitroaniline	ND		mg/kg	0.18	0.075	1
Dibenzofuran	ND		mg/kg	0.18	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.019	1
2,4,6-Trichlorophenol	ND		mg/kg	0.10	0.034	1
p-Chloro-m-cresol	ND		mg/kg	0.18	0.027	1
2-Chlorophenol	ND		mg/kg	0.060	0.020	1
2,4-Dichlorophenol	ND		mg/kg	0.087	0.029	1
2,4-Dimethylphenol	ND		mg/kg	0.17	0.057	1
2-Nitrophenol	ND		mg/kg	0.39	0.030	1
2,4-Dinitrophenol	ND		mg/kg	0.26	0.084	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.26	0.087	1
Pentachlorophenol	ND		mg/kg	0.12	0.040	1
Phenol	ND		mg/kg	0.18	0.021	1
2-Methylphenol	ND		mg/kg	0.18	0.028	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.26	0.026	1
2,4,5-Trichlorophenol	ND		mg/kg	0.18	0.035	1
Carbazole	ND		mg/kg	0.18	0.012	1
4-Nitrophenol	ND		mg/kg	0.25	0.050	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.18	0.020	1
Benzaldehyde	ND		mg/kg	0.24	0.028	1
Caprolactam	ND		mg/kg	0.18	0.039	1
Acetophenone	ND		mg/kg	0.18	0.019	1
Biphenyl	ND		mg/kg	0.41	0.042	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.18	0.019	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-03
Client ID: SW-3A-029
Sample Location: YONKERS, NY
Date Collected: 10/17/18 12:30
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.14	0.063	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.18	0.036	1
Tentatively Identified Compounds						
Total TIC Compounds	0.284	J	mg/kg			1
Unknown PAH	0.284	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		30-130
Phenol-d6	73		30-130
Nitrobenzene-d5	69		30-130
2-Fluorobiphenyl	84		30-130
2,4,6-Tribromophenol	83		30-130
4-Terphenyl-d14	73		30-130

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-04
Client ID: SW-3A-030
Sample Location: YONKERS, NY

Date Collected: 10/17/18 12:35
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/22/18 02:58
Analyst: RC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/19/18 09:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	0.054	J	mg/kg	0.15	0.015	1
2-Chloronaphthalene	ND		mg/kg	0.18	0.018	1
Hexachlorobenzene	ND		mg/kg	0.053	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.066	0.022	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.14	0.047	1
2,4-Dinitrotoluene	ND		mg/kg	0.092	0.031	1
2,6-Dinitrotoluene	ND		mg/kg	0.073	0.024	1
Fluoranthene	2.3		mg/kg	0.11	0.021	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.18	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.22	0.021	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.069	0.023	1
Hexachlorocyclopentadiene	ND		mg/kg	0.53	0.12	1
Hexachloroethane	ND		mg/kg	0.090	0.030	1
Isophorone	ND		mg/kg	0.062	0.021	1
Naphthalene	0.035	J	mg/kg	0.18	0.022	1
Nitrobenzene	ND		mg/kg	0.082	0.027	1
NDPA/DPA	ND		mg/kg	0.045	0.015	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.046	0.015	1
Bis(2-ethylhexyl)phthalate	0.049	J	mg/kg	0.18	0.019	1
Butyl benzyl phthalate	ND		mg/kg	0.18	0.025	1
Di-n-butylphthalate	ND		mg/kg	0.18	0.016	1
Di-n-octylphthalate	ND		mg/kg	0.18	0.058	1
Diethyl phthalate	ND		mg/kg	0.18	0.017	1
Dimethyl phthalate	ND		mg/kg	0.18	0.018	1
Benzo(a)anthracene	1.1		mg/kg	0.062	0.021	1
Benzo(a)pyrene	1.0		mg/kg	0.14	0.045	1
Benzo(b)fluoranthene	1.2		mg/kg	0.046	0.015	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-04
Client ID: SW-3A-030
Sample Location: YONKERS, NY
Date Collected: 10/17/18 12:35
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	0.43		mg/kg	0.039	0.013	1
Chrysene	1.1		mg/kg	0.11	0.019	1
Acenaphthylene	0.13	J	mg/kg	0.15	0.021	1
Anthracene	0.28		mg/kg	0.11	0.016	1
Benzo(ghi)perylene	0.66		mg/kg	0.15	0.022	1
Fluorene	0.059	J	mg/kg	0.18	0.018	1
Phenanthrene	1.1		mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	0.13		mg/kg	0.064	0.021	1
Indeno(1,2,3-cd)pyrene	0.65		mg/kg	0.078	0.026	1
Pyrene	2.2		mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.18	0.021	1
2-Nitroaniline	ND		mg/kg	0.18	0.034	1
3-Nitroaniline	ND		mg/kg	0.18	0.035	1
4-Nitroaniline	ND		mg/kg	0.18	0.076	1
Dibenzofuran	0.029	J	mg/kg	0.18	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.10	0.035	1
p-Chloro-m-cresol	ND		mg/kg	0.18	0.028	1
2-Chlorophenol	ND		mg/kg	0.061	0.020	1
2,4-Dichlorophenol	ND		mg/kg	0.089	0.030	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.059	1
2-Nitrophenol	ND		mg/kg	0.40	0.030	1
2,4-Dinitrophenol	ND		mg/kg	0.27	0.086	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.27	0.089	1
Pentachlorophenol	ND		mg/kg	0.12	0.041	1
Phenol	ND		mg/kg	0.18	0.022	1
2-Methylphenol	ND		mg/kg	0.18	0.029	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.27	0.027	1
2,4,5-Trichlorophenol	ND		mg/kg	0.18	0.035	1
Carbazole	0.089	J	mg/kg	0.18	0.012	1
4-Nitrophenol	ND		mg/kg	0.26	0.051	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.18	0.020	1
Benzaldehyde	ND		mg/kg	0.24	0.029	1
Caprolactam	ND		mg/kg	0.18	0.040	1
Acetophenone	ND		mg/kg	0.18	0.019	1
Biphenyl	ND		mg/kg	0.42	0.043	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.18	0.019	1

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-04
Client ID: SW-3A-030
Sample Location: YONKERS, NY
Date Collected: 10/17/18 12:35
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.065	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.18	0.037	1
Tentatively Identified Compounds						
Total TIC Compounds	3.49	J	mg/kg			1
Unknown PAH	0.159	J	mg/kg			1
Unknown PAH	0.209	J	mg/kg			1
Unknown Phenanthrene	0.321	J	mg/kg			1
Unknown	0.288	J	mg/kg			1
Unknown PAH	0.245	J	mg/kg			1
Unknown PAH	0.252	J	mg/kg			1
Unknown	0.266	J	mg/kg			1
Unknown	0.402	J	mg/kg			1
Unknown	0.171	J	mg/kg			1
Unknown	0.275	J	mg/kg			1
Unknown PAH	0.186	J	mg/kg			1
Unknown PAH	0.188	J	mg/kg			1
Unknown PAH	0.237	J	mg/kg			1
Unknown PAH	0.291	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		30-130
Phenol-d6	80		30-130
Nitrobenzene-d5	79		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	70		30-130
4-Terphenyl-d14	71		30-130

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/20/18 11:25
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 10/18/18 19:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1169841-1					
Acenaphthene	ND		mg/kg	0.13	0.014
2-Chloronaphthalene	ND		mg/kg	0.16	0.015
Hexachlorobenzene	ND		mg/kg	0.046	0.015
Bis(2-chloroethyl)ether	ND		mg/kg	0.058	0.019
3,3'-Dichlorobenzidine	ND		mg/kg	0.12	0.041
2,4-Dinitrotoluene	ND		mg/kg	0.080	0.027
2,6-Dinitrotoluene	ND		mg/kg	0.064	0.021
Fluoranthene	ND		mg/kg	0.097	0.018
4-Chlorophenyl phenyl ether	ND		mg/kg	0.16	0.014
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.19	0.019
Bis(2-chloroethoxy)methane	ND		mg/kg	0.17	0.015
Hexachlorobutadiene	ND		mg/kg	0.060	0.020
Hexachlorocyclopentadiene	ND		mg/kg	0.46	0.10
Hexachloroethane	ND		mg/kg	0.079	0.026
Isophorone	ND		mg/kg	0.054	0.018
Naphthalene	ND		mg/kg	0.16	0.020
Nitrobenzene	ND		mg/kg	0.072	0.024
NDPA/DPA	ND		mg/kg	0.040	0.013
n-Nitrosodi-n-propylamine	ND		mg/kg	0.041	0.014
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.16	0.017
Butyl benzyl phthalate	ND		mg/kg	0.16	0.022
Di-n-butylphthalate	ND		mg/kg	0.16	0.014
Di-n-octylphthalate	ND		mg/kg	0.16	0.050
Diethyl phthalate	ND		mg/kg	0.16	0.015
Dimethyl phthalate	ND		mg/kg	0.16	0.015
Benzo(a)anthracene	ND		mg/kg	0.054	0.018
Benzo(a)pyrene	ND		mg/kg	0.12	0.039
Benzo(b)fluoranthene	ND		mg/kg	0.041	0.013
Benzo(k)fluoranthene	ND		mg/kg	0.034	0.011

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/20/18 11:25
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 10/18/18 19:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1169841-1					
Chrysene	ND		mg/kg	0.097	0.017
Acenaphthylene	ND		mg/kg	0.13	0.018
Anthracene	ND		mg/kg	0.097	0.014
Benzo(ghi)perylene	ND		mg/kg	0.13	0.019
Fluorene	ND		mg/kg	0.16	0.016
Phenanthrene	ND		mg/kg	0.097	0.012
Dibenzo(a,h)anthracene	ND		mg/kg	0.056	0.019
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.068	0.022
Pyrene	ND		mg/kg	0.097	0.014
4-Chloroaniline	ND		mg/kg	0.16	0.019
2-Nitroaniline	ND		mg/kg	0.16	0.030
3-Nitroaniline	ND		mg/kg	0.16	0.030
4-Nitroaniline	ND		mg/kg	0.16	0.067
Dibenzofuran	ND		mg/kg	0.16	0.014
2-Methylnaphthalene	ND		mg/kg	0.19	0.017
2,4,6-Trichlorophenol	ND		mg/kg	0.092	0.031
p-Chloro-m-cresol	ND		mg/kg	0.16	0.024
2-Chlorophenol	ND		mg/kg	0.053	0.018
2,4-Dichlorophenol	ND		mg/kg	0.078	0.026
2,4-Dimethylphenol	ND		mg/kg	0.15	0.051
2-Nitrophenol	ND		mg/kg	0.35	0.026
2,4-Dinitrophenol	ND		mg/kg	0.23	0.075
4,6-Dinitro-o-cresol	ND		mg/kg	0.23	0.078
Pentachlorophenol	ND		mg/kg	0.11	0.036
Phenol	ND		mg/kg	0.16	0.019
2-Methylphenol	ND		mg/kg	0.16	0.025
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.23	0.023
2,4,5-Trichlorophenol	ND		mg/kg	0.16	0.031
Carbazole	ND		mg/kg	0.16	0.010

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/20/18 11:25
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 10/18/18 19:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1169841-1					
4-Nitrophenol	ND		mg/kg	0.23	0.045
4-Bromophenyl phenyl ether	ND		mg/kg	0.16	0.018
Benzaldehyde	ND		mg/kg	0.21	0.025
Caprolactam	ND		mg/kg	0.16	0.035
Acetophenone	ND		mg/kg	0.16	0.017
Biphenyl	ND		mg/kg	0.37	0.038
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.16	0.017
Atrazine	ND		mg/kg	0.13	0.057
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.16	0.033
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		mg/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		30-130
Phenol-d6	79		30-130
Nitrobenzene-d5	78		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	72		30-130
4-Terphenyl-d14	74		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1169841-2 WG1169841-3								
Acenaphthene	81		82		70-130	1		30
2-Chloronaphthalene	81		83		70-130	2		30
Hexachlorobenzene	74		77		70-130	4		30
Bis(2-chloroethyl)ether	74		77		70-130	4		30
3,3'-Dichlorobenzidine	**58**	Q	**58**	Q	70-130	0		30
2,4-Dinitrotoluene	85		88		70-130	3		30
2,6-Dinitrotoluene	86		91		70-130	6		30
Fluoranthene	85		87		70-130	2		30
4-Chlorophenyl phenyl ether	80		80		70-130	0		30
Bis(2-chloroisopropyl)ether	127		130		70-130	2		30
Bis(2-chloroethoxy)methane	76		78		70-130	3		30
Hexachlorobutadiene	71		72		70-130	1		30
Hexachlorocyclopentadiene	81		83		20-160	2		30
Hexachloroethane	69		72		20-160	4		30
Isophorone	75		78		70-130	4		30
Naphthalene	80		82		70-130	2		30
Nitrobenzene	77		80		70-130	4		30
NDPA/DPA	85		87		70-130	2		30
n-Nitrosodi-n-propylamine	78		80		70-130	3		30
Bis(2-ethylhexyl)phthalate	91		95		70-130	4		30
Butyl benzyl phthalate	90		92		70-130	2		30
Di-n-butylphthalate	85		87		70-130	2		30
Di-n-octylphthalate	94		97		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1842316

Report Date: 10/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1169841-2 WG1169841-3								
Diethyl phthalate	84		86		70-130	2		30
Dimethyl phthalate	84		87		70-130	4		30
Benzo(a)anthracene	78		81		70-130	4		30
Benzo(a)pyrene	84		87		70-130	4		30
Benzo(b)fluoranthene	88		89		70-130	1		30
Benzo(k)fluoranthene	76		79		70-130	4		30
Chrysene	81		84		70-130	4		30
Acenaphthylene	86		89		70-130	3		30
Anthracene	83		85		70-130	2		30
Benzo(ghi)perylene	79		81		70-130	3		30
Fluorene	83		85		70-130	2		30
Phenanthrene	81		82		70-130	1		30
Dibenzo(a,h)anthracene	80		83		70-130	4		30
Indeno(1,2,3-cd)pyrene	84		88		70-130	5		30
Pyrene	83		85		70-130	2		30
4-Chloroaniline	56		55		20-160	2		30
2-Nitroaniline	91		96		70-130	5		30
3-Nitroaniline	**69**	Q	71		70-130	3		30
4-Nitroaniline	81		85		70-130	5		30
Dibenzofuran	80		82		70-130	2		30
2-Methylnaphthalene	108		112		70-130	4		30
2,4,6-Trichlorophenol	84		87		70-130	4		30
p-Chloro-m-cresol	87		91		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1169841-2 WG1169841-3								
2-Chlorophenol	78		80		70-130	3		30
2,4-Dichlorophenol	79		84		70-130	6		30
2,4-Dimethylphenol	87		92		70-130	6		30
2-Nitrophenol	84		88		70-130	5		30
2,4-Dinitrophenol	**19**	Q	**19**	Q	20-160	0		30
4,6-Dinitro-o-cresol	**58**	Q	**57**	Q	70-130	2		30
Pentachlorophenol	59		61		20-160	3		30
Phenol	73		76		20-160	4		30
2-Methylphenol	76		80		70-130	5		30
3-Methylphenol/4-Methylphenol	72		79		20-160	9		30
2,4,5-Trichlorophenol	82		86		70-130	5		30
Carbazole	82		83		70-130	1		30
4-Nitrophenol	84		91		20-160	8		30
4-Bromophenyl phenyl ether	80		84		70-130	5		30
Benzaldehyde	68		70		20-160	3		30
Caprolactam	101		108		20-160	7		30
Acetophenone	80		84		70-130	5		30
Biphenyl	87		90		70-130	3		30
1,2,4,5-Tetrachlorobenzene	79		83		70-130	5		30
Atrazine	98		100		70-130	2		30
2,3,4,6-Tetrachlorophenol	81		82		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1169841-2 WG1169841-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		77		30-130
Phenol-d6	78		79		30-130
Nitrobenzene-d5	77		77		30-130
2-Fluorobiphenyl	80		82		30-130
2,4,6-Tribromophenol	81		82		30-130
4-Terphenyl-d14	71		71		30-130

METALS

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-01
Client ID: FS-3A-057-E8
Sample Location: YONKERS, NY
Date Collected: 10/17/18 08:40
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8900		mg/kg	9.26	2.50	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Antimony, Total	0.472	J	mg/kg	4.63	0.352	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Arsenic, Total	2.23		mg/kg	0.926	0.193	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Barium, Total	39.9		mg/kg	0.926	0.161	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Beryllium, Total	0.287	J	mg/kg	0.463	0.031	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Cadmium, Total	0.287	J	mg/kg	0.926	0.091	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Calcium, Total	849		mg/kg	9.26	3.24	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Chromium, Total	23.1		mg/kg	0.926	0.089	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Cobalt, Total	7.96		mg/kg	1.85	0.154	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Copper, Total	14.5		mg/kg	0.926	0.239	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Iron, Total	14000		mg/kg	4.63	0.836	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Lead, Total	15.1		mg/kg	4.63	0.248	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Magnesium, Total	2250		mg/kg	9.26	1.43	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Manganese, Total	394		mg/kg	0.926	0.147	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.074	0.016	1	10/20/18 08:00	10/22/18 13:53	EPA 7471B	1,7471B	MG
Nickel, Total	14.9		mg/kg	2.31	0.224	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Potassium, Total	488		mg/kg	231	13.3	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Selenium, Total	0.380	J	mg/kg	1.85	0.239	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.926	0.262	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Sodium, Total	597		mg/kg	185	2.92	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.85	0.292	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Vanadium, Total	26.8		mg/kg	0.926	0.188	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB
Zinc, Total	23.9		mg/kg	4.63	0.271	2	10/22/18 14:25	10/24/18 11:41	EPA 3050B	1,6010D	AB

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-02
Client ID: FS-3A-058-D8
Sample Location: YONKERS, NY
Date Collected: 10/17/18 08:45
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	11200		mg/kg	9.28	2.51	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Antimony, Total	0.501	J	mg/kg	4.64	0.353	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Arsenic, Total	2.32		mg/kg	0.928	0.193	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Barium, Total	42.2		mg/kg	0.928	0.162	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Beryllium, Total	0.306	J	mg/kg	0.464	0.031	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Cadmium, Total	0.241	J	mg/kg	0.928	0.091	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Calcium, Total	994		mg/kg	9.28	3.25	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Chromium, Total	36.4		mg/kg	0.928	0.089	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Cobalt, Total	7.20		mg/kg	1.86	0.154	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Copper, Total	17.5		mg/kg	0.928	0.240	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Iron, Total	14400		mg/kg	4.64	0.838	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Lead, Total	4.63	J	mg/kg	4.64	0.249	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Magnesium, Total	2840		mg/kg	9.28	1.43	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Manganese, Total	265		mg/kg	0.928	0.148	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.074	0.016	1	10/20/18 08:00	10/22/18 13:55	EPA 7471B	1,7471B	MG
Nickel, Total	21.6		mg/kg	2.32	0.225	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Potassium, Total	469		mg/kg	232	13.4	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Selenium, Total	0.306	J	mg/kg	1.86	0.240	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.928	0.263	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Sodium, Total	843		mg/kg	186	2.92	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.86	0.292	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Vanadium, Total	31.1		mg/kg	0.928	0.188	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB
Zinc, Total	18.4		mg/kg	4.64	0.272	2	10/22/18 14:25	10/24/18 11:58	EPA 3050B	1,6010D	AB

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-03
Client ID: SW-3A-029
Sample Location: YONKERS, NY
Date Collected: 10/17/18 12:30
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8550		mg/kg	8.61	2.32	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Antimony, Total	0.370	J	mg/kg	4.30	0.327	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Arsenic, Total	2.37		mg/kg	0.861	0.179	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Barium, Total	44.7		mg/kg	0.861	0.150	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Beryllium, Total	0.284	J	mg/kg	0.430	0.028	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Cadmium, Total	0.241	J	mg/kg	0.861	0.084	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Calcium, Total	2650		mg/kg	8.61	3.01	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Chromium, Total	33.8		mg/kg	0.861	0.083	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Cobalt, Total	7.61		mg/kg	1.72	0.143	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Copper, Total	13.5		mg/kg	0.861	0.222	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Iron, Total	12900		mg/kg	4.30	0.778	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Lead, Total	39.1		mg/kg	4.30	0.231	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Magnesium, Total	2920		mg/kg	8.61	1.33	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Manganese, Total	399		mg/kg	0.861	0.137	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Mercury, Total	0.158		mg/kg	0.070	0.015	1	10/20/18 08:00	10/22/18 13:57	EPA 7471B	1,7471B	MG
Nickel, Total	14.8		mg/kg	2.15	0.208	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Potassium, Total	459		mg/kg	215	12.4	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Selenium, Total	0.422	J	mg/kg	1.72	0.222	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.861	0.244	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Sodium, Total	975		mg/kg	172	2.71	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.72	0.271	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Vanadium, Total	28.4		mg/kg	0.861	0.175	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB
Zinc, Total	30.3		mg/kg	4.30	0.252	2	10/22/18 14:25	10/24/18 12:03	EPA 3050B	1,6010D	AB

Project Name: CPG III A
Lab Number: L1842316
Project Number: 15.5268
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-04
Client ID: SW-3A-030
Sample Location: YONKERS, NY
Date Collected: 10/17/18 12:35
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10100		mg/kg	8.70	2.35	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Antimony, Total	0.809	J	mg/kg	4.35	0.330	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Arsenic, Total	3.68		mg/kg	0.870	0.181	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Barium, Total	59.9		mg/kg	0.870	0.151	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Beryllium, Total	0.330	J	mg/kg	0.435	0.029	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Cadmium, Total	0.365	J	mg/kg	0.870	0.085	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Calcium, Total	2660		mg/kg	8.70	3.04	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Chromium, Total	21.7		mg/kg	0.870	0.084	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Cobalt, Total	6.53		mg/kg	1.74	0.144	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Copper, Total	21.4		mg/kg	0.870	0.224	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Iron, Total	14500		mg/kg	4.35	0.785	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Lead, Total	97.4		mg/kg	4.35	0.233	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Magnesium, Total	2740		mg/kg	8.70	1.34	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Manganese, Total	269		mg/kg	0.870	0.138	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Mercury, Total	0.217		mg/kg	0.071	0.015	1	10/20/18 08:00	10/22/18 13:59	EPA 7471B	1,7471B	MG
Nickel, Total	14.3		mg/kg	2.17	0.210	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Potassium, Total	541		mg/kg	217	12.5	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Selenium, Total	0.609	J	mg/kg	1.74	0.224	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.870	0.246	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Sodium, Total	520		mg/kg	174	2.74	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.74	0.274	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Vanadium, Total	24.9		mg/kg	0.870	0.176	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB
Zinc, Total	105		mg/kg	4.35	0.255	2	10/22/18 14:25	10/24/18 12:07	EPA 3050B	1,6010D	AB

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

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): 01-04 Batch: WG1170390-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	10/20/18 08:00	10/22/18 13:06	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1170864-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Iron, Total	ND		mg/kg	2.00	0.361	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Manganese, Total	0.080	J	mg/kg	0.400	0.064	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Sodium, Total	ND		mg/kg	80.0	1.26	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/22/18 14:25	10/24/18 11:32	1,6010D	AB

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1842316

Report Date: 10/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1170390-2 SRM Lot Number: D102-540								
Mercury, Total	99		-		65-134	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1842316

Report Date: 10/24/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1170864-2 SRM Lot Number: D102-540					
Aluminum, Total	72	-	49-150	-	
Antimony, Total	147	-	1-199	-	
Arsenic, Total	95	-	83-117	-	
Barium, Total	88	-	83-118	-	
Beryllium, Total	94	-	83-116	-	
Cadmium, Total	112	-	83-118	-	
Calcium, Total	86	-	82-118	-	
Chromium, Total	88	-	83-117	-	
Cobalt, Total	98	-	84-116	-	
Copper, Total	89	-	84-116	-	
Iron, Total	80	-	61-139	-	
Lead, Total	92	-	82-118	-	
Magnesium, Total	85	-	76-124	-	
Manganese, Total	89	-	82-118	-	
Nickel, Total	100	-	83-117	-	
Potassium, Total	73	-	70-130	-	
Selenium, Total	95	-	79-121	-	
Silver, Total	88	-	80-120	-	
Sodium, Total	92	-	74-126	-	
Thallium, Total	112	-	81-119	-	
Vanadium, Total	87	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1842316

Report Date: 10/24/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1170864-2 SRM Lot Number: D102-540					
Zinc, Total	92	-	81-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

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): 01-04 QC Batch ID: WG1170390-3 QC Sample: L1842296-07 Client ID: MS Sample												
Mercury, Total	ND	0.155	0.197	**127**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

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): 01-04 QC Batch ID: WG1170864-3 QC Sample: L1842316-01 Client ID: FS-3A-057-E8										
Aluminum, Total	8900	181	9720	**452**	Q	-	-	75-125	-	20
Antimony, Total	0.472J	45.3	40.2	89		-	-	75-125	-	20
Arsenic, Total	2.23	10.9	12.8	97		-	-	75-125	-	20
Barium, Total	39.9	181	204	90		-	-	75-125	-	20
Beryllium, Total	0.287J	4.53	4.44	98		-	-	75-125	-	20
Cadmium, Total	0.287J	4.62	4.59	99		-	-	75-125	-	20
Calcium, Total	849.	906	1630	86		-	-	75-125	-	20
Chromium, Total	23.1	18.1	37.7	80		-	-	75-125	-	20
Cobalt, Total	7.96	45.3	46.4	85		-	-	75-125	-	20
Copper, Total	14.5	22.6	33.8	85		-	-	75-125	-	20
Iron, Total	14000	90.6	14700	**773**	Q	-	-	75-125	-	20
Lead, Total	15.1	46.2	48.7	**73**	Q	-	-	75-125	-	20
Magnesium, Total	2250	906	3000	83		-	-	75-125	-	20
Manganese, Total	394.	45.3	399	**11**	Q	-	-	75-125	-	20
Nickel, Total	14.9	45.3	52.6	83		-	-	75-125	-	20
Potassium, Total	488.	906	1340	94		-	-	75-125	-	20
Selenium, Total	0.380J	10.9	10.0	92		-	-	75-125	-	20
Silver, Total	ND	27.2	26.0	96		-	-	75-125	-	20
Sodium, Total	597.	906	1490	98		-	-	75-125	-	20
Thallium, Total	ND	10.9	9.46	87		-	-	75-125	-	20
Vanadium, Total	26.8	45.3	66.4	87		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

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): 01-04 QC Batch ID: WG1170864-3 QC Sample: L1842316-01 Client ID: FS-3A-057-E8									
Zinc, Total	23.9	45.3	62.5	85	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1842316

Report Date: 10/24/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1170390-4 QC Sample: L1842296-07 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1170864-4 QC Sample: L1842316-01 Client ID: FS-3A-057-E8						
Aluminum, Total	8900	9270	mg/kg	4		20
Antimony, Total	0.472J	ND	mg/kg	NC		20
Arsenic, Total	2.23	2.29	mg/kg	3		20
Barium, Total	39.9	38.1	mg/kg	5		20
Beryllium, Total	0.287J	0.282J	mg/kg	NC		20
Cadmium, Total	0.287J	0.254J	mg/kg	NC		20
Calcium, Total	849.	834	mg/kg	2		20
Chromium, Total	23.1	22.9	mg/kg	1		20
Cobalt, Total	7.96	7.41	mg/kg	7		20
Copper, Total	14.5	13.7	mg/kg	6		20
Iron, Total	14000	14300	mg/kg	2		20
Lead, Total	15.1	9.91	mg/kg	**42**	Q	20
Magnesium, Total	2250	2230	mg/kg	1		20
Manganese, Total	394.	402	mg/kg	2		20
Nickel, Total	14.9	13.8	mg/kg	8		20
Potassium, Total	488.	484	mg/kg	1		20
Selenium, Total	0.380J	0.336J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	597.	594	mg/kg	1		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1842316

Report Date: 10/24/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1170864-4 QC Sample: L1842316-01 Client ID: FS-3A-057-E8					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	26.8	25.7	mg/kg	4	20
Zinc, Total	23.9	21.9	mg/kg	9	20

INORGANICS
&
MISCELLANEOUS

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-01
Client ID: FS-3A-057-E8
Sample Location: YONKERS, NY

Date Collected: 10/17/18 08:40
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	0.705	J	mg/kg	0.940	0.188	1	10/18/18 18:45	10/19/18 11:05	1,7196A	NH
pH	7.8		SU	-	NA	1	-	10/18/18 19:25	1,9045D	AS
Oxidation/Reduction Potential	170		mv	-	NA	1	-	10/18/18 19:25	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	10/18/18 10:14	121,2540G	RI

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-02
Client ID: FS-3A-058-D8
Sample Location: YONKERS, NY

Date Collected: 10/17/18 08:45
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	0.376	J	mg/kg	0.939	0.188	1	10/18/18 18:45	10/19/18 11:05	1,7196A	NH
pH	7.7		SU	-	NA	1	-	10/18/18 19:25	1,9045D	AS
Oxidation/Reduction Potential	180		mv	-	NA	1	-	10/18/18 19:25	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	85.2		%	0.100	NA	1	-	10/18/18 10:14	121,2540G	RI

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-03
Client ID: SW-3A-029
Sample Location: YONKERS, NY

Date Collected: 10/17/18 12:30
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	ND		mg/kg	0.881	0.176	1	10/18/18 18:45	10/19/18 11:05	1,7196A	NH
pH	7.8		SU	-	NA	1	-	10/18/18 19:25	1,9045D	AS
Oxidation/Reduction Potential	200		mv	-	NA	1	-	10/18/18 19:25	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	10/18/18 10:14	121,2540G	RI

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

SAMPLE RESULTS

Lab ID: L1842316-04
Client ID: SW-3A-030
Sample Location: YONKERS, NY

Date Collected: 10/17/18 12:35
Date Received: 10/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	ND		mg/kg	0.899	0.180	1	10/18/18 18:45	10/19/18 11:05	1,7196A	NH
pH	8.4		SU	-	NA	1	-	10/18/18 19:25	1,9045D	AS
Oxidation/Reduction Potential	170		mv	-	NA	1	-	10/18/18 19:25	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	89.0		%	0.100	NA	1	-	10/18/18 10:14	121,2540G	RI

Project Name: CPG III A
Project Number: 15.5268
Lab Number: L1842316
Report Date: 10/24/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab for sample(s): 01-04 Batch: WG1169830-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/18/18 18:45	10/19/18 11:05	1,7196A	NH

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III A

Project Number: 15.5268

Lab Number: L1842316

Report Date: 10/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01-04		Batch: WG1169803-1					
pH	100		-		99-101	-		
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01-04		Batch: WG1169805-1					
Oxidation/Reduction Potential	101		-		90-110	-		20
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01-04		Batch: WG1169830-2					
Chromium, Hexavalent	87		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1169830-4 QC Sample: L1842316-01 Client ID: FS-3A-057-E8												
Chromium, Hexavalent	0.705J	1320	1300	98		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1169545-1 QC Sample: L1842227-01 Client ID: DUP Sample						
Solids, Total	82.6	87.3	%	6		20
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1169803-2 QC Sample: L1842335-01 Client ID: DUP Sample						
pH	7.9	8.0	SU	1		5
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1169805-2 QC Sample: L1842335-01 Client ID: DUP Sample						
Oxidation/Reduction Potential	180	180	mv	0		20
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1169830-6 QC Sample: L1842316-01 Client ID: FS-3A-057-E8						
Chromium, Hexavalent	0.705J	0.564J	mg/kg	NC		20

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

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(*)
L1842316-01A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NJ-8260HLW(14)
L1842316-01B	Vial water preserved	A	NA		3.1	Y	Absent	18-OCT-18 08:07	NJ-8260HLW(14)
L1842316-01C	Vial water preserved	A	NA		3.1	Y	Absent	18-OCT-18 08:07	NJ-8260HLW(14)
L1842316-01D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1842316-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	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)
L1842316-01F	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1842316-02A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NJ-8260HLW(14)
L1842316-02B	Vial water preserved	A	NA		3.1	Y	Absent	18-OCT-18 08:07	NJ-8260HLW(14)
L1842316-02C	Vial water preserved	A	NA		3.1	Y	Absent	18-OCT-18 08:07	NJ-8260HLW(14)
L1842316-02D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1842316-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	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)
L1842316-02F	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1842316-03A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NJ-8260HLW(14)
L1842316-03B	Vial water preserved	A	NA		3.1	Y	Absent	18-OCT-18 08:07	NJ-8260HLW(14)
L1842316-03C	Vial water preserved	A	NA		3.1	Y	Absent	18-OCT-18 08:07	NJ-8260HLW(14)
L1842316-03D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: CPG III A
Project Number: 15.5268

Lab Number: L1842316
Report Date: 10/24/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1842316-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	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)
L1842316-03F	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1842316-04A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NJ-8260HLW(14)
L1842316-04B	Vial water preserved	A	NA		3.1	Y	Absent	18-OCT-18 08:07	NJ-8260HLW(14)
L1842316-04C	Vial water preserved	A	NA		3.1	Y	Absent	18-OCT-18 08:07	NJ-8260HLW(14)
L1842316-04D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1842316-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	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)
L1842316-04F	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)

*Values in parentheses indicate holding time in days

Project Name:	CPG III A	**Lab Number:**	L1842316
Project Number:	15.5268	**Report Date:**	10/24/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
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.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
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

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.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG III A	**Lab Number:**	L1842316
Project Number:	15.5268	**Report Date:**	10/24/18

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.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. 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).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG III A	**Lab Number:**	L1842316
Project Number:	15.5268	**Report Date:**	10/24/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

68 Annual Book of ASTM (American Society for Testing and Materials) Standards following extraction by SW-846 EPA Method 9045C under the requirements of MADEP BWSC, WSC-CAM-VIB. August 2004.

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.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

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: 10/18/18

ALPHA Job #: L1842316

Client Information

Client: CT Male Associates
Address: 50 Century Hill Dr.
Latham, NY 12110
Phone: (518) 786-7400
Fax:
Email: k.moline@ctmale.com

Project Information

Project Name: CPG111A
Project Location: Yonkers, NY
Project #: 15.5268
(Use Project name as Project #) ☐
Project Manager: Kirk Moline
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

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.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TCL SVOC	TAL Metals	Hex. Cr.	Total Hg Metals				Sample Specific Comments	Total Bottle
423110 -01	FS-3A-057-E8	10/17/18	0840	Soil	CB	X	X	X	X	X				5.0'	6
-02	FS-3A-058-D8		0845			X	X	X	X	X				5.0'	6
-03	SW-3A-029 (CB)		1230			X	X	X	X	X				2.5' (E8)	6
-04	SW-3A-030		1235			X	X	X	X	X				2.5' (D8)	6

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Container Type	V	A	A	A	A				
Preservative	F/B	A	A	A	A				

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
[illegible]	10/17/18 1615	[illegible]	10/17/18 1615
[illegible]	10/18/18 1915	Paul Magella	10/17/18 1915
Paul Magella	10/18/18 00:20	[illegible]	10/18/18 0020

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)

ANALYTICAL REPORT

Lab Number:	L1842986
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Kirk Moline
Phone:	(518) 786-7400
Project Name:	CPG III
Project Number:	15.5268
Report Date:	10/29/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1842986-01	SW-3A-031	SOIL	YONKERS, NY	10/22/18 11:45	10/22/18
L1842986-02	SW-3A-032	SOIL	YONKERS, NY	10/22/18 11:50	10/22/18

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

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.

Total Metals

L1842986-01 and -02: 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: Kelly Stenstrom

Title: Technical Director/Representative Date: 10/29/18

ORGANICS

VOLATILES

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1842986
Report Date: 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-01
Client ID: SW-3A-031
Sample Location: YONKERS, NY

Date Collected: 10/22/18 11:45
Date Received: 10/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/26/18 05:13
Analyst: NLK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0025	0.00085	1
1,4-Dioxane	ND		mg/kg	0.085	0.030	1
1,2-Dibromoethane	ND		mg/kg	0.00085	0.00024	1
Methylene chloride	ND		mg/kg	0.0042	0.0019	1
1,1-Dichloroethane	ND		mg/kg	0.00085	0.00012	1
Chloroform	ND		mg/kg	0.0013	0.00012	1
Carbon tetrachloride	ND		mg/kg	0.00085	0.00020	1
1,2-Dichloropropane	ND		mg/kg	0.00085	0.00011	1
Dibromochloromethane	ND		mg/kg	0.00085	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.00085	0.00023	1
Tetrachloroethene	0.0011		mg/kg	0.00042	0.00017	1
Chlorobenzene	ND		mg/kg	0.00042	0.00011	1
Trichlorofluoromethane	ND		mg/kg	0.0034	0.00059	1
1,2-Dichloroethane	ND		mg/kg	0.00085	0.00022	1
1,1,1-Trichloroethane	ND		mg/kg	0.00042	0.00014	1
Bromodichloromethane	ND		mg/kg	0.00042	0.00009	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00085	0.00023	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00042	0.00013	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00042	0.00013	1
Bromoform	ND		mg/kg	0.0034	0.00021	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00042	0.00014	1
Benzene	ND		mg/kg	0.00042	0.00014	1
Toluene	ND		mg/kg	0.00085	0.00046	1
Ethylbenzene	ND		mg/kg	0.00085	0.00012	1
Chloromethane	ND		mg/kg	0.0034	0.00079	1
Bromomethane	ND		mg/kg	0.0017	0.00049	1
Vinyl chloride	ND		mg/kg	0.00085	0.00028	1
Chloroethane	ND		mg/kg	0.0017	0.00038	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1842986
Report Date: 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-01
Client ID: SW-3A-031
Sample Location: YONKERS, NY
Date Collected: 10/22/18 11:45
Date Received: 10/22/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00085	0.00020	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0013	0.00012	1
Trichloroethene	ND		mg/kg	0.00042	0.00012	1
1,2-Dichlorobenzene	ND		mg/kg	0.0017	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0017	0.00012	1
1,4-Dichlorobenzene	ND		mg/kg	0.0017	0.00014	1
Methyl tert butyl ether	ND		mg/kg	0.0017	0.00017	1
p/m-Xylene	ND		mg/kg	0.0017	0.00048	1
o-Xylene	ND		mg/kg	0.00085	0.00025	1
Xylene (Total)	ND		mg/kg	0.00085	0.00025	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00085	0.00015	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00085	0.00012	1
Styrene	ND		mg/kg	0.00085	0.00017	1
Dichlorodifluoromethane	ND		mg/kg	0.0085	0.00078	1
Acetone	ND		mg/kg	0.0085	0.0041	1
Carbon disulfide	ND		mg/kg	0.0085	0.0039	1
2-Butanone	ND		mg/kg	0.0085	0.0019	1
4-Methyl-2-pentanone	ND		mg/kg	0.0085	0.0011	1
2-Hexanone	ND		mg/kg	0.0085	0.0010	1
Bromochloromethane	ND		mg/kg	0.0017	0.00017	1
Isopropylbenzene	ND		mg/kg	0.00085	0.00009	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0017	0.00027	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0017	0.00023	1
Methyl Acetate	ND		mg/kg	0.0034	0.00081	1
Cyclohexane	ND		mg/kg	0.0085	0.00046	1
Methyl cyclohexane	ND		mg/kg	0.0034	0.00051	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0034	0.00059	1

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	mg/kg	1

Project Name: CPG III **Lab Number:** L1842986

Project Number: 15.5268 **Report Date:** 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-01 Date Collected: 10/22/18 11:45

Client ID: SW-3A-031 Date Received: 10/22/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	92		70-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1842986
Report Date: 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-02
Client ID: SW-3A-032
Sample Location: YONKERS, NY

Date Collected: 10/22/18 11:50
Date Received: 10/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/26/18 05:40
Analyst: NLK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0028	0.00092	1
1,4-Dioxane	ND		mg/kg	0.092	0.032	1
1,2-Dibromoethane	ND		mg/kg	0.00092	0.00026	1
Methylene chloride	ND		mg/kg	0.0046	0.0021	1
1,1-Dichloroethane	ND		mg/kg	0.00092	0.00013	1
Chloroform	ND		mg/kg	0.0014	0.00013	1
Carbon tetrachloride	ND		mg/kg	0.00092	0.00021	1
1,2-Dichloropropane	ND		mg/kg	0.00092	0.00011	1
Dibromochloromethane	ND		mg/kg	0.00092	0.00013	1
1,1,2-Trichloroethane	ND		mg/kg	0.00092	0.00024	1
Tetrachloroethene	ND		mg/kg	0.00046	0.00018	1
Chlorobenzene	ND		mg/kg	0.00046	0.00012	1
Trichlorofluoromethane	ND		mg/kg	0.0037	0.00064	1
1,2-Dichloroethane	ND		mg/kg	0.00092	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.00046	0.00015	1
Bromodichloromethane	ND		mg/kg	0.00046	0.00010	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00092	0.00025	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00046	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00046	0.00014	1
Bromoform	ND		mg/kg	0.0037	0.00022	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00046	0.00015	1
Benzene	ND		mg/kg	0.00046	0.00015	1
Toluene	ND		mg/kg	0.00092	0.00050	1
Ethylbenzene	ND		mg/kg	0.00092	0.00013	1
Chloromethane	ND		mg/kg	0.0037	0.00086	1
Bromomethane	ND		mg/kg	0.0018	0.00053	1
Vinyl chloride	ND		mg/kg	0.00092	0.00031	1
Chloroethane	ND		mg/kg	0.0018	0.00042	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1842986
Report Date: 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-02
Client ID: SW-3A-032
Sample Location: YONKERS, NY
Date Collected: 10/22/18 11:50
Date Received: 10/22/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00092	0.00022	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0014	0.00012	1
Trichloroethene	ND		mg/kg	0.00046	0.00012	1
1,2-Dichlorobenzene	ND		mg/kg	0.0018	0.00013	1
1,3-Dichlorobenzene	ND		mg/kg	0.0018	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0018	0.00016	1
Methyl tert butyl ether	ND		mg/kg	0.0018	0.00018	1
p/m-Xylene	ND		mg/kg	0.0018	0.00051	1
o-Xylene	ND		mg/kg	0.00092	0.00027	1
Xylene (Total)	ND		mg/kg	0.00092	0.00027	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00092	0.00016	1
1,2-Dichloroethene (total)	ND		mg/kg	0.00092	0.00012	1
Styrene	ND		mg/kg	0.00092	0.00018	1
Dichlorodifluoromethane	ND		mg/kg	0.0092	0.00084	1
Acetone	0.0085	J	mg/kg	0.0092	0.0044	1
Carbon disulfide	ND		mg/kg	0.0092	0.0042	1
2-Butanone	ND		mg/kg	0.0092	0.0020	1
4-Methyl-2-pentanone	ND		mg/kg	0.0092	0.0012	1
2-Hexanone	ND		mg/kg	0.0092	0.0011	1
Bromochloromethane	ND		mg/kg	0.0018	0.00019	1
Isopropylbenzene	ND		mg/kg	0.00092	0.00010	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0018	0.00030	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0018	0.00025	1
Methyl Acetate	ND		mg/kg	0.0037	0.00087	1
Cyclohexane	ND		mg/kg	0.0092	0.00050	1
Methyl cyclohexane	ND		mg/kg	0.0037	0.00055	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0037	0.00064	1

Tentatively Identified Compounds				
Total TIC Compounds	0.003	J	mg/kg	1
Unknown	0.003	J	mg/kg	1

Project Name: CPG III **Lab Number:** L1842986

Project Number: 15.5268 **Report Date:** 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-02 Date Collected: 10/22/18 11:50

Client ID: SW-3A-032 Date Received: 10/22/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/25/18 21:28
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-02 Batch: WG1172750-5					
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.0010
1,4-Dioxane	ND		mg/kg	0.10	0.035
1,2-Dibromoethane	ND		mg/kg	0.0010	0.00028
Methylene chloride	ND		mg/kg	0.0050	0.0023
1,1-Dichloroethane	ND		mg/kg	0.0010	0.00014
Chloroform	ND		mg/kg	0.0015	0.00014
Carbon tetrachloride	ND		mg/kg	0.0010	0.00023
1,2-Dichloropropane	ND		mg/kg	0.0010	0.00012
Dibromochloromethane	ND		mg/kg	0.0010	0.00014
1,1,2-Trichloroethane	ND		mg/kg	0.0010	0.00027
2-Chloroethylvinyl ether	ND		mg/kg	0.020	0.0016
Tetrachloroethene	ND		mg/kg	0.00050	0.00020
Chlorobenzene	ND		mg/kg	0.00050	0.00013
Trichlorofluoromethane	ND		mg/kg	0.0040	0.00070
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
1,1,1-Trichloroethane	ND		mg/kg	0.00050	0.00017
Bromodichloromethane	ND		mg/kg	0.00050	0.00011
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00027
cis-1,3-Dichloropropene	ND		mg/kg	0.00050	0.00016
1,3-Dichloropropene, Total	ND		mg/kg	0.00050	0.00016
1,1-Dichloropropene	ND		mg/kg	0.00050	0.00016
Bromoform	ND		mg/kg	0.0040	0.00025
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00017
Benzene	ND		mg/kg	0.00050	0.00017
Toluene	ND		mg/kg	0.0010	0.00054
Ethylbenzene	ND		mg/kg	0.0010	0.00014
Chloromethane	ND		mg/kg	0.0040	0.00093
Bromomethane	ND		mg/kg	0.0020	0.00058
Vinyl chloride	ND		mg/kg	0.0010	0.00034

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/25/18 21:28
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-02 Batch: WG1172750-5					
Chloroethane	ND		mg/kg	0.0020	0.00045
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00024
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00014
Trichloroethene	ND		mg/kg	0.00050	0.00014
1,2-Dichlorobenzene	ND		mg/kg	0.0020	0.00014
1,3-Dichlorobenzene	ND		mg/kg	0.0020	0.00015
1,4-Dichlorobenzene	ND		mg/kg	0.0020	0.00017
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylene (Total)	ND		mg/kg	0.0010	0.00029
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00018
1,2-Dichloroethene (total)	ND		mg/kg	0.0010	0.00014
Dibromomethane	ND		mg/kg	0.0020	0.00024
1,4-Dichlorobutane	ND		mg/kg	0.010	0.00023
1,2,3-Trichloropropane	ND		mg/kg	0.0020	0.00013
Styrene	ND		mg/kg	0.0010	0.00020
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00092
Acetone	ND		mg/kg	0.010	0.0048
Carbon disulfide	ND		mg/kg	0.010	0.0046
2-Butanone	ND		mg/kg	0.010	0.0022
Vinyl acetate	ND		mg/kg	0.010	0.0022
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.0013
2-Hexanone	ND		mg/kg	0.010	0.0012
Ethyl methacrylate	ND		mg/kg	0.010	0.0016
Acrolein	ND		mg/kg	0.025	0.0056
Acrylonitrile	ND		mg/kg	0.0040	0.0012
Bromochloromethane	ND		mg/kg	0.0020	0.00020
Tetrahydrofuran	ND		mg/kg	0.0040	0.0016

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/25/18 21:28
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-02 Batch: WG1172750-5					
2,2-Dichloropropane	ND		mg/kg	0.0020	0.00020
1,3-Dichloropropane	ND		mg/kg	0.0020	0.00017
1,1,1,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00013
Bromobenzene	ND		mg/kg	0.0020	0.00014
n-Butylbenzene	ND		mg/kg	0.0010	0.00017
sec-Butylbenzene	ND		mg/kg	0.0010	0.00015
tert-Butylbenzene	ND		mg/kg	0.0020	0.00012
o-Chlorotoluene	ND		mg/kg	0.0020	0.00019
p-Chlorotoluene	ND		mg/kg	0.0020	0.00011
Hexachlorobutadiene	ND		mg/kg	0.0040	0.00017
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
p-Isopropyltoluene	ND		mg/kg	0.0010	0.00011
Naphthalene	ND		mg/kg	0.0040	0.00065
n-Propylbenzene	ND		mg/kg	0.0010	0.00017
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	0.00032
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	0.00027
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
trans-1,4-Dichloro-2-butene	ND		mg/kg	0.0050	0.0014
Ethyl ether	ND		mg/kg	0.0020	0.00034
Methyl Acetate	ND		mg/kg	0.0040	0.00095
Ethyl Acetate	ND		mg/kg	0.010	0.0012
Isopropyl Ether	ND		mg/kg	0.0020	0.00021
Cyclohexane	ND		mg/kg	0.010	0.00054
tert-Butyl Alcohol	ND		mg/kg	0.020	0.0051
Ethyl-Tert-Butyl-Ether	ND		mg/kg	0.0020	0.00013
Tertiary-Amyl Methyl Ether	ND		mg/kg	0.0020	0.00018
Methyl cyclohexane	ND		mg/kg	0.0040	0.00060
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0040	0.00069

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/25/18 21:28
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-02 Batch: WG1172750-5					
1,2,4,5-Tetramethylbenzene	ND		mg/kg	0.0020	0.00019
1,4-Diethylbenzene	ND		mg/kg	0.0020	0.00018
4-Ethyltoluene	ND		mg/kg	0.0020	0.00038
Tentatively Identified Compounds					
Total TIC Compounds	0.013	J	mg/kg		
Ethane, 1,1-Difluoro-	0.013	NJ	mg/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1842986

Report Date: 10/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1172750-3 WG1172750-4								
1,2-Dibromo-3-chloropropane	86		94		40-160	9		30
1,4-Dioxane	118		110		40-160	7		30
1,2-Dibromoethane	102		108		70-130	6		30
Methylene chloride	94		96		70-130	2		30
1,1-Dichloroethane	94		97		70-130	3		30
Chloroform	95		98		70-130	3		30
Carbon tetrachloride	85		89		70-130	5		30
1,2-Dichloropropane	99		102		70-130	3		30
Dibromochloromethane	91		97		70-130	6		30
1,1,2-Trichloroethane	100		104		70-130	4		30
2-Chloroethylvinyl ether	94		100		40-160	6		30
Tetrachloroethene	99		101		70-130	2		30
Chlorobenzene	95		98		70-130	3		30
Trichlorofluoromethane	82		86		40-160	5		30
1,2-Dichloroethane	85		89		70-130	5		30
1,1,1-Trichloroethane	90		93		70-130	3		30
Bromodichloromethane	95		100		70-130	5		30
trans-1,3-Dichloropropene	92		98		70-130	6		30
cis-1,3-Dichloropropene	102		107		40-160	5		30
1,1-Dichloropropene	97		99		70-130	2		30
Bromoform	90		97		40-160	7		30
1,1,2,2-Tetrachloroethane	94		99		40-160	5		30
Benzene	103		105		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1842986

Report Date: 10/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1172750-3 WG1172750-4								
Toluene	98		100		70-130	2		30
Ethylbenzene	94		96		70-130	2		30
Chloromethane	104		106		40-160	2		30
Bromomethane	96		101		40-160	5		30
Vinyl chloride	94		99		70-130	5		30
Chloroethane	75		77		40-160	3		30
1,1-Dichloroethene	106		91		70-130	15		30
trans-1,2-Dichloroethene	102		105		70-130	3		30
Trichloroethene	102		105		70-130	3		30
1,2-Dichlorobenzene	95		98		70-130	3		30
1,3-Dichlorobenzene	94		97		70-130	3		30
1,4-Dichlorobenzene	92		96		70-130	4		30
Methyl tert butyl ether	99		102		70-130	3		30
p/m-Xylene	97		99		70-130	2		30
o-Xylene	98		100		70-130	2		30
cis-1,2-Dichloroethene	103		106		70-130	3		30
Dibromomethane	98		103		70-130	5		30
1,4-Dichlorobutane	87		91		70-130	4		30
1,2,3-Trichloropropane	93		97		70-130	4		30
Styrene	98		101		40-160	3		30
Dichlorodifluoromethane	87		89		40-160	2		30
Acetone	96		103		40-160	7		30
Carbon disulfide	88		81		40-160	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1842986

Report Date: 10/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1172750-3 WG1172750-4								
2-Butanone	99		94		40-160	5		30
Vinyl acetate	88		92		70-130	4		30
4-Methyl-2-pentanone	99		102		40-160	3		30
2-Hexanone	94		104		40-160	10		30
Ethyl methacrylate	100		105		70-130	5		30
Acrolein	96		102		40-160	6		30
Acrylonitrile	100		102		70-130	2		30
Bromochloromethane	105		109		70-130	4		30
Tetrahydrofuran	99		105		70-130	6		30
2,2-Dichloropropane	86		88		40-160	2		30
1,3-Dichloropropane	97		100		70-130	3		30
1,1,1,2-Tetrachloroethane	92		96		70-130	4		30
Bromobenzene	95		99		70-130	4		30
n-Butylbenzene	91		90		70-130	1		30
sec-Butylbenzene	91		92		70-130	1		30
tert-Butylbenzene	92		93		70-130	1		30
o-Chlorotoluene	92		94		70-130	2		30
p-Chlorotoluene	88		90		70-130	2		30
Hexachlorobutadiene	93		96		70-130	3		30
Isopropylbenzene	90		92		70-130	2		30
p-Isopropyltoluene	92		92		70-130	0		30
Naphthalene	102		105		40-160	3		30
n-Propylbenzene	90		92		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1842986

Report Date: 10/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1172750-3 WG1172750-4								
1,2,3-Trichlorobenzene	99		103		70-130	4		30
1,2,4-Trichlorobenzene	101		102		70-130	1		30
1,3,5-Trimethylbenzene	91		93		70-130	2		30
1,2,4-Trimethylbenzene	92		94		70-130	2		30
trans-1,4-Dichloro-2-butene	78		84		70-130	7		30
Ethyl ether	90		94		70-130	4		30
Methyl Acetate	93		96		70-130	3		30
Ethyl Acetate	99		105		70-130	6		30
Isopropyl Ether	91		94		70-130	3		30
Cyclohexane	92		94		70-130	2		30
tert-Butyl Alcohol	95		99		40-160	4		30
Ethyl-Tert-Butyl-Ether	95		97		70-130	2		30
Tertiary-Amyl Methyl Ether	99		103		70-130	4		30
Methyl cyclohexane	96		98		70-130	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		93		70-130	7		30
1,2,4,5-Tetramethylbenzene	94		96		70-130	2		30
1,4-Diethylbenzene	93		96		70-130	3		30
4-Ethyltoluene	92		94		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1172750-3 WG1172750-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		91		70-130
Toluene-d8	119		121		70-130
4-Bromofluorobenzene	121		122		70-130
Dibromofluoromethane	108		110		70-130

SEMIVOLATILES

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-01
Client ID: SW-3A-031
Sample Location: YONKERS, NY

Date Collected: 10/22/18 11:45
Date Received: 10/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/28/18 22:57
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/23/18 07:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.016	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.018	1
Hexachlorobenzene	ND		mg/kg	0.054	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.068	0.022	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.14	0.048	1
2,4-Dinitrotoluene	ND		mg/kg	0.093	0.031	1
2,6-Dinitrotoluene	ND		mg/kg	0.074	0.025	1
Fluoranthene	0.26		mg/kg	0.11	0.022	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.19	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.22	0.022	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.070	0.023	1
Hexachlorocyclopentadiene	ND		mg/kg	0.54	0.12	1
Hexachloroethane	ND		mg/kg	0.091	0.030	1
Isophorone	ND		mg/kg	0.063	0.021	1
Naphthalene	0.028	J	mg/kg	0.19	0.023	1
Nitrobenzene	ND		mg/kg	0.083	0.028	1
NDPA/DPA	ND		mg/kg	0.046	0.015	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.047	0.016	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.19	0.019	1
Butyl benzyl phthalate	ND		mg/kg	0.19	0.025	1
Di-n-butylphthalate	ND		mg/kg	0.19	0.016	1
Di-n-octylphthalate	ND		mg/kg	0.19	0.058	1
Diethyl phthalate	ND		mg/kg	0.19	0.017	1
Dimethyl phthalate	ND		mg/kg	0.19	0.018	1
Benzo(a)anthracene	0.21		mg/kg	0.063	0.021	1
Benzo(a)pyrene	0.28		mg/kg	0.14	0.046	1
Benzo(b)fluoranthene	0.32		mg/kg	0.047	0.016	1

Project Name: CPG III **Lab Number:** L1842986

Project Number: 15.5268 **Report Date:** 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-01 Date Collected: 10/22/18 11:45

Client ID: SW-3A-031 Date Received: 10/22/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	0.088		mg/kg	0.039	0.013	1
Chrysene	0.20		mg/kg	0.11	0.019	1
Acenaphthylene	0.34		mg/kg	0.15	0.021	1
Anthracene	0.14		mg/kg	0.11	0.017	1
Benzo(ghi)perylene	0.29		mg/kg	0.15	0.022	1
Fluorene	0.032	J	mg/kg	0.19	0.018	1
Phenanthrene	0.10	J	mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	0.045	J	mg/kg	0.065	0.022	1
Indeno(1,2,3-cd)pyrene	0.22		mg/kg	0.079	0.026	1
Pyrene	0.29		mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.19	0.022	1
2-Nitroaniline	ND		mg/kg	0.19	0.034	1
3-Nitroaniline	ND		mg/kg	0.19	0.035	1
4-Nitroaniline	ND		mg/kg	0.19	0.078	1
Dibenzofuran	ND		mg/kg	0.19	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.11	0.036	1
p-Chloro-m-cresol	ND		mg/kg	0.19	0.028	1
2-Chlorophenol	ND		mg/kg	0.062	0.021	1
2,4-Dichlorophenol	ND		mg/kg	0.090	0.030	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.060	1
2-Nitrophenol	ND		mg/kg	0.40	0.031	1
2,4-Dinitrophenol	ND		mg/kg	0.27	0.087	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.27	0.090	1
Pentachlorophenol	ND		mg/kg	0.12	0.041	1
Phenol	ND		mg/kg	0.19	0.022	1
2-Methylphenol	ND		mg/kg	0.19	0.029	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.27	0.027	1
2,4,5-Trichlorophenol	ND		mg/kg	0.19	0.036	1
Carbazole	0.015	J	mg/kg	0.19	0.012	1
4-Nitrophenol	ND		mg/kg	0.26	0.052	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.19	0.021	1
Benzaldehyde	ND		mg/kg	0.25	0.029	1
Caprolactam	ND		mg/kg	0.19	0.040	1
Acetophenone	ND		mg/kg	0.19	0.020	1
Biphenyl	ND		mg/kg	0.43	0.044	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.19	0.020	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1842986
Report Date: 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-01
Client ID: SW-3A-031
Sample Location: YONKERS, NY
Date Collected: 10/22/18 11:45
Date Received: 10/22/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.066	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.19	0.038	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		30-130
Phenol-d6	65		30-130
Nitrobenzene-d5	68		30-130
2-Fluorobiphenyl	67		30-130
2,4,6-Tribromophenol	65		30-130
4-Terphenyl-d14	57		30-130

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1842986
Report Date: 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-02
Client ID: SW-3A-032
Sample Location: YONKERS, NY

Date Collected: 10/22/18 11:50
Date Received: 10/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/26/18 00:30
Analyst: EK
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/23/18 07:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.015	1
2-Chloronaphthalene	ND		mg/kg	0.18	0.018	1
Hexachlorobenzene	ND		mg/kg	0.053	0.018	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.067	0.022	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.14	0.047	1
2,4-Dinitrotoluene	ND		mg/kg	0.092	0.031	1
2,6-Dinitrotoluene	ND		mg/kg	0.073	0.024	1
Fluoranthene	ND		mg/kg	0.11	0.021	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.18	0.016	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.22	0.021	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.018	1
Hexachlorobutadiene	ND		mg/kg	0.069	0.023	1
Hexachlorocyclopentadiene	ND		mg/kg	0.53	0.12	1
Hexachloroethane	ND		mg/kg	0.090	0.030	1
Isophorone	ND		mg/kg	0.062	0.021	1
Naphthalene	ND		mg/kg	0.18	0.022	1
Nitrobenzene	ND		mg/kg	0.082	0.027	1
NDPA/DPA	ND		mg/kg	0.046	0.015	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.047	0.015	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.18	0.019	1
Butyl benzyl phthalate	ND		mg/kg	0.18	0.025	1
Di-n-butylphthalate	ND		mg/kg	0.18	0.016	1
Di-n-octylphthalate	ND		mg/kg	0.18	0.058	1
Diethyl phthalate	ND		mg/kg	0.18	0.017	1
Dimethyl phthalate	ND		mg/kg	0.18	0.018	1
Benzo(a)anthracene	ND		mg/kg	0.062	0.021	1
Benzo(a)pyrene	ND		mg/kg	0.14	0.045	1
Benzo(b)fluoranthene	ND		mg/kg	0.047	0.015	1

Project Name: CPG III **Lab Number:** L1842986

Project Number: 15.5268 **Report Date:** 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-02 Date Collected: 10/22/18 11:50

Client ID: SW-3A-032 Date Received: 10/22/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(k)fluoranthene	ND		mg/kg	0.039	0.013	1
Chrysene	ND		mg/kg	0.11	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.021	1
Anthracene	ND		mg/kg	0.11	0.016	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.022	1
Fluorene	ND		mg/kg	0.18	0.018	1
Phenanthrene	ND		mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.064	0.021	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.078	0.026	1
Pyrene	ND		mg/kg	0.11	0.016	1
4-Chloroaniline	ND		mg/kg	0.18	0.021	1
2-Nitroaniline	ND		mg/kg	0.18	0.034	1
3-Nitroaniline	ND		mg/kg	0.18	0.035	1
4-Nitroaniline	ND		mg/kg	0.18	0.077	1
Dibenzofuran	ND		mg/kg	0.18	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.020	1
2,4,6-Trichlorophenol	ND		mg/kg	0.10	0.035	1
p-Chloro-m-cresol	ND		mg/kg	0.18	0.028	1
2-Chlorophenol	ND		mg/kg	0.061	0.020	1
2,4-Dichlorophenol	ND		mg/kg	0.089	0.030	1
2,4-Dimethylphenol	ND		mg/kg	0.18	0.059	1
2-Nitrophenol	ND		mg/kg	0.40	0.030	1
2,4-Dinitrophenol	ND		mg/kg	0.27	0.086	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.27	0.089	1
Pentachlorophenol	ND		mg/kg	0.12	0.041	1
Phenol	ND		mg/kg	0.18	0.022	1
2-Methylphenol	ND		mg/kg	0.18	0.029	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.27	0.027	1
2,4,5-Trichlorophenol	ND		mg/kg	0.18	0.035	1
Carbazole	ND		mg/kg	0.18	0.012	1
4-Nitrophenol	ND		mg/kg	0.26	0.052	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.18	0.021	1
Benzaldehyde	ND		mg/kg	0.24	0.029	1
Caprolactam	ND		mg/kg	0.18	0.040	1
Acetophenone	ND		mg/kg	0.18	0.019	1
Biphenyl	ND		mg/kg	0.42	0.043	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.18	0.019	1

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1842986
Report Date: 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-02
Client ID: SW-3A-032
Sample Location: YONKERS, NY
Date Collected: 10/22/18 11:50
Date Received: 10/22/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Atrazine	ND		mg/kg	0.15	0.065	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.18	0.037	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		30-130
Phenol-d6	68		30-130
Nitrobenzene-d5	69		30-130
2-Fluorobiphenyl	78		30-130
2,4,6-Tribromophenol	93		30-130
4-Terphenyl-d14	76		30-130

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/25/18 10:46
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/22/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1170791-1					
Acenaphthene	ND		mg/kg	0.13	0.014
2-Chloronaphthalene	ND		mg/kg	0.17	0.016
Hexachlorobenzene	ND		mg/kg	0.048	0.016
Bis(2-chloroethyl)ether	ND		mg/kg	0.060	0.020
3,3'-Dichlorobenzidine	ND		mg/kg	0.13	0.042
2,4-Dinitrotoluene	ND		mg/kg	0.083	0.028
2,6-Dinitrotoluene	ND		mg/kg	0.066	0.022
Fluoranthene	ND		mg/kg	0.10	0.019
4-Chlorophenyl phenyl ether	ND		mg/kg	0.17	0.014
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.20	0.019
Bis(2-chloroethoxy)methane	ND		mg/kg	0.18	0.016
Hexachlorobutadiene	ND		mg/kg	0.062	0.021
Hexachlorocyclopentadiene	ND		mg/kg	0.48	0.10
Hexachloroethane	ND		mg/kg	0.081	0.027
Isophorone	ND		mg/kg	0.056	0.019
Naphthalene	ND		mg/kg	0.17	0.020
Nitrobenzene	ND		mg/kg	0.074	0.025
NDPA/DPA	ND		mg/kg	0.041	0.014
n-Nitrosodi-n-propylamine	ND		mg/kg	0.042	0.014
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.17	0.017
Butyl benzyl phthalate	ND		mg/kg	0.17	0.022
Di-n-butylphthalate	ND		mg/kg	0.17	0.015
Di-n-octylphthalate	ND		mg/kg	0.17	0.052
Diethyl phthalate	ND		mg/kg	0.17	0.015
Dimethyl phthalate	ND		mg/kg	0.17	0.016
Benzo(a)anthracene	ND		mg/kg	0.056	0.019
Benzo(a)pyrene	ND		mg/kg	0.12	0.040
Benzo(b)fluoranthene	ND		mg/kg	0.042	0.014
Benzo(k)fluoranthene	ND		mg/kg	0.035	0.012

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/25/18 10:46
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/22/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1170791-1					
Chrysene	ND		mg/kg	0.10	0.017
Acenaphthylene	ND		mg/kg	0.13	0.019
Anthracene	ND		mg/kg	0.10	0.015
Benzo(ghi)perylene	ND		mg/kg	0.13	0.020
Fluorene	ND		mg/kg	0.17	0.016
Phenanthrene	ND		mg/kg	0.10	0.012
Dibenzo(a,h)anthracene	ND		mg/kg	0.058	0.019
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.070	0.023
Pyrene	ND		mg/kg	0.10	0.014
4-Chloroaniline	ND		mg/kg	0.17	0.019
2-Nitroaniline	ND		mg/kg	0.17	0.030
3-Nitroaniline	ND		mg/kg	0.17	0.031
4-Nitroaniline	ND		mg/kg	0.17	0.069
Dibenzofuran	ND		mg/kg	0.17	0.015
2-Methylnaphthalene	ND		mg/kg	0.20	0.018
2,4,6-Trichlorophenol	ND		mg/kg	0.095	0.032
p-Chloro-m-cresol	ND		mg/kg	0.17	0.025
2-Chlorophenol	ND		mg/kg	0.055	0.018
2,4-Dichlorophenol	ND		mg/kg	0.080	0.027
2,4-Dimethylphenol	ND		mg/kg	0.16	0.053
2-Nitrophenol	ND		mg/kg	0.36	0.027
2,4-Dinitrophenol	ND		mg/kg	0.24	0.078
4,6-Dinitro-o-cresol	ND		mg/kg	0.24	0.080
Pentachlorophenol	ND		mg/kg	0.11	0.037
Phenol	ND		mg/kg	0.17	0.020
2-Methylphenol	ND		mg/kg	0.17	0.026
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.24	0.024
2,4,5-Trichlorophenol	ND		mg/kg	0.17	0.032
Carbazole	ND		mg/kg	0.17	0.011

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/25/18 10:46
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/22/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1170791-1					
4-Nitrophenol	ND		mg/kg	0.23	0.046
4-Bromophenyl phenyl ether	ND		mg/kg	0.17	0.018
Benzaldehyde	ND		mg/kg	0.22	0.026
Caprolactam	ND		mg/kg	0.17	0.036
Acetophenone	ND		mg/kg	0.17	0.017
Biphenyl	ND		mg/kg	0.38	0.039
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.17	0.017
Atrazine	ND		mg/kg	0.13	0.058
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.17	0.034
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		mg/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		30-130
Phenol-d6	94		30-130
Nitrobenzene-d5	100		30-130
2-Fluorobiphenyl	97		30-130
2,4,6-Tribromophenol	88		30-130
4-Terphenyl-d14	94		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1170791-2 WG1170791-3								
Acenaphthene	83		98		70-130	17		30
2-Chloronaphthalene	81		105		70-130	26		30
Hexachlorobenzene	88		112		70-130	24		30
Bis(2-chloroethyl)ether	80		96		70-130	18		30
3,3'-Dichlorobenzidine	**64**	Q	76		70-130	17		30
2,4-Dinitrotoluene	95		112		70-130	16		30
2,6-Dinitrotoluene	89		118		70-130	28		30
Fluoranthene	90		102		70-130	13		30
4-Chlorophenyl phenyl ether	86		103		70-130	18		30
Bis(2-chloroisopropyl)ether	79		90		70-130	13		30
Bis(2-chloroethoxy)methane	84		104		70-130	21		30
Hexachlorobutadiene	83		102		70-130	21		30
Hexachlorocyclopentadiene	61		84		20-160	**32**	Q	30
Hexachloroethane	78		94		20-160	19		30
Isophorone	85		106		70-130	22		30
Naphthalene	86		99		70-130	14		30
Nitrobenzene	82		99		70-130	19		30
NDPA/DPA	88		104		70-130	17		30
n-Nitrosodi-n-propylamine	85		99		70-130	15		30
Bis(2-ethylhexyl)phthalate	93		110		70-130	17		30
Butyl benzyl phthalate	91		107		70-130	16		30
Di-n-butylphthalate	91		106		70-130	15		30
Di-n-octylphthalate	94		104		70-130	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1170791-2 WG1170791-3								
Diethyl phthalate	86		103		70-130	18		30
Dimethyl phthalate	84		108		70-130	25		30
Benzo(a)anthracene	84		98		70-130	15		30
Benzo(a)pyrene	92		105		70-130	13		30
Benzo(b)fluoranthene	92		96		70-130	4		30
Benzo(k)fluoranthene	92		102		70-130	10		30
Chrysene	88		101		70-130	14		30
Acenaphthylene	83		108		70-130	26		30
Anthracene	88		101		70-130	14		30
Benzo(ghi)perylene	89		102		70-130	14		30
Fluorene	86		102		70-130	17		30
Phenanthrene	85		98		70-130	14		30
Dibenzo(a,h)anthracene	87		101		70-130	15		30
Indeno(1,2,3-cd)pyrene	90		103		70-130	13		30
Pyrene	89		102		70-130	14		30
4-Chloroaniline	50		53		20-160	6		30
2-Nitroaniline	92		121		70-130	27		30
3-Nitroaniline	72		82		70-130	13		30
4-Nitroaniline	86		102		70-130	17		30
Dibenzofuran	85		101		70-130	17		30
2-Methylnaphthalene	87		100		70-130	14		30
2,4,6-Trichlorophenol	87		115		70-130	28		30
p-Chloro-m-cresol	96		110		70-130	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1170791-2 WG1170791-3								
2-Chlorophenol	84		107		70-130	24		30
2,4-Dichlorophenol	92		118		70-130	25		30
2,4-Dimethylphenol	92		114		70-130	21		30
2-Nitrophenol	92		119		70-130	26		30
2,4-Dinitrophenol	67		84		20-160	23		30
4,6-Dinitro-o-cresol	75		93		70-130	21		30
Pentachlorophenol	72		97		20-160	30		30
Phenol	84		104		20-160	21		30
2-Methylphenol	89		108		70-130	19		30
3-Methylphenol/4-Methylphenol	89		108		20-160	19		30
2,4,5-Trichlorophenol	88		117		70-130	28		30
Carbazole	90		104		70-130	14		30
4-Nitrophenol	87		110		20-160	23		30
4-Bromophenyl phenyl ether	88		112		70-130	24		30
Benzaldehyde	68		91		20-160	29		30
Caprolactam	96		104		20-160	8		30
Acetophenone	84		102		70-130	19		30
Biphenyl	83		106		70-130	24		30
1,2,4,5-Tetrachlorobenzene	82		107		70-130	26		30
Atrazine	96		124		70-130	25		30
2,3,4,6-Tetrachlorophenol	89		108		70-130	19		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1842986

Report Date: 10/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1170791-2 WG1170791-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		110		30-130
Phenol-d6	86		106		30-130
Nitrobenzene-d5	86		103		30-130
2-Fluorobiphenyl	83		107		30-130
2,4,6-Tribromophenol	96		117		30-130
4-Terphenyl-d14	84		95		30-130

METALS

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1842986
Report Date: 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-01
Client ID: SW-3A-031
Sample Location: YONKERS, NY
Date Collected: 10/22/18 11:45
Date Received: 10/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7910		mg/kg	8.75	2.36	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Antimony, Total	ND		mg/kg	4.37	0.332	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Arsenic, Total	3.30		mg/kg	0.875	0.182	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Barium, Total	34.0		mg/kg	0.875	0.152	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Beryllium, Total	0.219	J	mg/kg	0.437	0.029	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Cadmium, Total	0.184	J	mg/kg	0.875	0.086	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Calcium, Total	1110		mg/kg	8.75	3.06	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Chromium, Total	16.5		mg/kg	0.875	0.084	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Cobalt, Total	6.16		mg/kg	1.75	0.145	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Copper, Total	20.0		mg/kg	0.875	0.226	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Iron, Total	12900		mg/kg	4.37	0.790	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Lead, Total	106		mg/kg	4.37	0.234	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Magnesium, Total	2330		mg/kg	8.75	1.35	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Manganese, Total	260		mg/kg	0.875	0.139	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Mercury, Total	0.184		mg/kg	0.072	0.015	1	10/24/18 04:25	10/24/18 12:45	EPA 7471B	1,7471B	MG
Nickel, Total	13.4		mg/kg	2.19	0.212	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Potassium, Total	406		mg/kg	219	12.6	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Selenium, Total	ND		mg/kg	1.75	0.226	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Silver, Total	ND		mg/kg	0.875	0.248	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Sodium, Total	492		mg/kg	175	2.76	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Thallium, Total	ND		mg/kg	1.75	0.276	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Vanadium, Total	23.0		mg/kg	0.875	0.178	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE
Zinc, Total	63.8		mg/kg	4.37	0.256	2	10/24/18 19:25	10/25/18 13:13	EPA 3050B	1,6010D	PE

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1842986
Report Date: 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-02
Client ID: SW-3A-032
Sample Location: YONKERS, NY
Date Collected: 10/22/18 11:50
Date Received: 10/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8600		mg/kg	8.99	2.43	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.50	0.342	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Arsenic, Total	2.42		mg/kg	0.899	0.187	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Barium, Total	27.9		mg/kg	0.899	0.156	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Beryllium, Total	0.198	J	mg/kg	0.450	0.030	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.899	0.088	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Calcium, Total	336		mg/kg	8.99	3.15	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Chromium, Total	21.0		mg/kg	0.899	0.086	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Cobalt, Total	6.58		mg/kg	1.80	0.149	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Copper, Total	10.1		mg/kg	0.899	0.232	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Iron, Total	13700		mg/kg	4.50	0.812	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Lead, Total	5.56		mg/kg	4.50	0.241	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Magnesium, Total	1960		mg/kg	8.99	1.38	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Manganese, Total	287		mg/kg	0.899	0.143	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.071	0.015	1	10/24/18 04:25	10/24/18 12:47	EPA 7471B	1,7471B	MG
Nickel, Total	9.96		mg/kg	2.25	0.218	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Potassium, Total	316		mg/kg	225	12.9	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Selenium, Total	0.243	J	mg/kg	1.80	0.232	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.899	0.254	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Sodium, Total	740		mg/kg	180	2.83	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.80	0.283	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Vanadium, Total	21.2		mg/kg	0.899	0.182	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB
Zinc, Total	21.0		mg/kg	4.50	0.263	2	10/24/18 19:25	10/25/18 13:57	EPA 3050B	1,6010D	AB

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1842986
Report Date: 10/29/18

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 Batch: WG1171556-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	10/24/18 04:25	10/24/18 11:40	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1171910-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Arsenic, Total	0.084	J	mg/kg	0.400	0.083	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Barium, Total	ND		mg/kg	0.400	0.070	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Copper, Total	ND		mg/kg	0.400	0.103	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Iron, Total	1.06	J	mg/kg	2.00	0.361	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Lead, Total	ND		mg/kg	2.00	0.107	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Potassium, Total	ND		mg/kg	100	5.76	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Silver, Total	ND		mg/kg	0.400	0.113	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Sodium, Total	2.91	J	mg/kg	80.0	1.26	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/24/18 19:25	10/25/18 06:59	1,6010D	PE

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1842986

Report Date: 10/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1171556-2 SRM Lot Number: D102-540								
Mercury, Total	106		-		65-134	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1842986

Report Date: 10/29/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1171910-2 SRM Lot Number: D102-540					
Aluminum, Total	78	-	49-150	-	
Antimony, Total	166	-	1-199	-	
Arsenic, Total	99	-	83-117	-	
Barium, Total	94	-	83-118	-	
Beryllium, Total	92	-	83-116	-	
Cadmium, Total	91	-	83-118	-	
Calcium, Total	90	-	82-118	-	
Chromium, Total	97	-	83-117	-	
Cobalt, Total	94	-	84-116	-	
Copper, Total	95	-	84-116	-	
Iron, Total	103	-	61-139	-	
Lead, Total	94	-	82-118	-	
Magnesium, Total	86	-	76-124	-	
Manganese, Total	94	-	82-118	-	
Nickel, Total	94	-	83-117	-	
Potassium, Total	82	-	70-130	-	
Selenium, Total	98	-	79-121	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	103	-	74-126	-	
Thallium, Total	93	-	81-119	-	
Vanadium, Total	95	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1842986

Report Date: 10/29/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1171910-2 SRM Lot Number: D102-540					
Zinc, Total	95	-	81-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

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 QC Batch ID: WG1171556-3 QC Sample: L1843203-01 Client ID: MS Sample												
Mercury, Total	0.837	0.152	1.00	107		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

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 QC Batch ID: WG1171910-3 QC Sample: L1843092-01 Client ID: MS Sample										
Aluminum, Total	14100	189	15100	**530**	Q	-	-	75-125	-	20
Antimony, Total	ND	47.2	39.5	84		-	-	75-125	-	20
Arsenic, Total	20.1	11.3	35.5	**136**	Q	-	-	75-125	-	20
Barium, Total	23.6	189	184	85		-	-	75-125	-	20
Beryllium, Total	0.407	4.72	4.08	78		-	-	75-125	-	20
Cadmium, Total	0.065J	4.81	4.03	84		-	-	75-125	-	20
Calcium, Total	365.	943	1090	77		-	-	75-125	-	20
Chromium, Total	20.8	18.9	37.7	90		-	-	75-125	-	20
Cobalt, Total	5.32	47.2	42.6	79		-	-	75-125	-	20
Copper, Total	8.65	23.6	29.4	88		-	-	75-125	-	20
Iron, Total	13200	94.3	15700	**2650**	Q	-	-	75-125	-	20
Lead, Total	14.3	48.1	53.6	82		-	-	75-125	-	20
Magnesium, Total	2620	943	3690	113		-	-	75-125	-	20
Manganese, Total	130.	47.2	172	89		-	-	75-125	-	20
Nickel, Total	13.9	47.2	51.6	80		-	-	75-125	-	20
Potassium, Total	1030	943	1930	95		-	-	75-125	-	20
Selenium, Total	0.370J	11.3	10.1	89		-	-	75-125	-	20
Silver, Total	ND	28.3	24.4	86		-	-	75-125	-	20
Sodium, Total	27.9J	943	858	91		-	-	75-125	-	20
Thallium, Total	ND	11.3	7.89	**70**	Q	-	-	75-125	-	20
Vanadium, Total	20.5	47.2	64.4	93		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

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 QC Batch ID: WG1171910-3 QC Sample: L1843092-01 Client ID: MS Sample									
Zinc, Total	26.9	47.2	69.5	90	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1842986

Report Date: 10/29/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1171556-4 QC Sample: L1843203-01 Client ID: DUP Sample						
Mercury, Total	0.837	0.811	mg/kg	3		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1171910-4 QC Sample: L1843092-01 Client ID: DUP Sample						
Arsenic, Total	20.1	18.4	mg/kg	9		20

INORGANICS
&
MISCELLANEOUS

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-01
Client ID: SW-3A-031
Sample Location: YONKERS, NY

Date Collected: 10/22/18 11:45
Date Received: 10/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	0.435	J	mg/kg	0.915	0.183	1	10/23/18 19:15	10/24/18 14:28	1,7196A	NH
pH	8.6		SU	-	NA	1	-	10/23/18 18:49	1,9045D	AS
Oxidation/Reduction Potential	130		mv	-	NA	1	-	10/23/18 18:49	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	10/23/18 11:32	121,2540G	RI

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

SAMPLE RESULTS

Lab ID: L1842986-02
Client ID: SW-3A-032
Sample Location: YONKERS, NY

Date Collected: 10/22/18 11:50
Date Received: 10/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab										
Chromium, Hexavalent	0.441	J	mg/kg	0.905	0.181	1	10/23/18 19:15	10/24/18 14:28	1,7196A	NH
pH	8.2		SU	-	NA	1	-	10/23/18 18:49	1,9045D	AS
Oxidation/Reduction Potential	140		mv	-	NA	1	-	10/23/18 18:49	68,1498	AS
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	10/23/18 11:32	121,2540G	RI

Project Name: CPG III
Project Number: 15.5268
Lab Number: L1842986
Report Date: 10/29/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
NJ Hexavalent Chromium - Westborough Lab for sample(s): 01-02 Batch: WG1171516-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/23/18 19:15	10/24/18 14:28	1,7196A	NH

Lab Control Sample Analysis

Batch Quality Control

Project Name: CPG III

Project Number: 15.5268

Lab Number: L1842986

Report Date: 10/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01-02		Batch: WG1171437-1					
pH	100		-		99-101	-		
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01-02		Batch: WG1171439-1					
Oxidation/Reduction Potential	101		-		90-110	-		20
NJ Hexavalent Chromium - Westborough Lab	Associated sample(s): 01-02		Batch: WG1171516-2					
Chromium, Hexavalent	90		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1171516-4 QC Sample: L1842986-02 Client ID: SW-3A-032												
Chromium, Hexavalent	0.441J	1120	1130	101		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1171235-1 QC Sample: L1842773-01 Client ID: DUP Sample						
Solids, Total	85.8	84.8	%	1		20
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1171437-2 QC Sample: L1842986-01 Client ID: SW-3A-031						
pH	8.6	9.0	SU	5		5
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1171439-2 QC Sample: L1842986-01 Client ID: SW-3A-031						
Oxidation/Reduction Potential	130	140	mv	7		20
NJ Hexavalent Chromium - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1171516-6 QC Sample: L1842986-02 Client ID: SW-3A-032						
Chromium, Hexavalent	0.441J	0.577J	mg/kg	NC		20

Project Name: CPG III
Project Number: 15.5268

Lab Number: L1842986
Report Date: 10/29/18

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(*)
L1842986-01A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NJ-8260HLW(14)
L1842986-01B	Vial water preserved	A	NA		3.4	Y	Absent	23-OCT-18 07:12	NJ-8260HLW(14)
L1842986-01C	Vial water preserved	A	NA		3.4	Y	Absent	23-OCT-18 07:12	NJ-8260HLW(14)
L1842986-01D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L1842986-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	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)
L1842986-01F	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)
L1842986-02A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NJ-8260HLW(14)
L1842986-02B	Vial water preserved	A	NA		3.4	Y	Absent	23-OCT-18 07:12	NJ-8260HLW(14)
L1842986-02C	Vial water preserved	A	NA		3.4	Y	Absent	23-OCT-18 07:12	NJ-8260HLW(14)
L1842986-02D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L1842986-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	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)
L1842986-02F	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NJHEXCR-PH-9045(30),NJ-8270(14),NJ-HEXCR-7196(30),NJHEXCR-ORP-9045(30)

*Values in parentheses indicate holding time in days

Project Name:	CPG III	**Lab Number:**	L1842986
Project Number:	15.5268	**Report Date:**	10/29/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
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.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
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

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.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG III	**Lab Number:**	L1842986
Project Number:	15.5268	**Report Date:**	10/29/18

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.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. 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).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CPG III	**Lab Number:**	L1842986
Project Number:	15.5268	**Report Date:**	10/29/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

68 Annual Book of ASTM (American Society for Testing and Materials) Standards following extraction by SW-846 EPA Method 9045C under the requirements of MADEP BWSC, WSC-CAM-VIB. August 2004.

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 ANALYTICAL

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: 10/22/18

ALPHA Job #: L1842986

Client Information
Client: CT Male Associates
Address: 50 Century Hill Dr.
Latham, NY
Phone: (518) 786-7400
Fax:
Email: K.moline@ctmale.com

Project Information
Project Name: CPG III
Project Location: Yonkers, NY
Project #: 15.5268
(Use Project name as Project #) ☐
Project Manager: Kirk Moline
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

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.

ANALYSIS

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	TCL VOC	TCL SVOC	TAL Metals	Hex Cr.	Total Hg Metals				Sample Specific Comments	Total Bottle
42986 -01	SW-3A-031	10/22/18	1145	Soil	CB	X	X	X	X	X				2.5' CS North	6
-02	SW-3A-032	↓	1150	↓	↓	X	X	X	X	X				3.0' AG	6
Container Type						V	A	A	A	A					
Preservative						F/o	A	A	A	A					

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
Cliff Bent	10/22/18 14:00		10/22/18 1400
	10/22/18 12:00	D Santos AAL	10/22/18 1850
D. Santos AAL	10/22/18 2215		10/22/18 2215

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)

ANALYTICAL REPORT

Lab Number:	L2126802
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Kirk Moline
Phone:	(518) 786-7400
Project Name:	COTTAGE PLACE GARDENS PHASE 5
Project Number:	16.6669
Report Date:	06/08/21

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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: COTTAGE PLACE GARDENS PHASE 5
Project Number: 16.6669

Lab Number: L2126802
Report Date: 06/08/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2126802-01	SW-019-3-B17	SOIL	8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY	05/20/21 13:50	05/20/21
L2126802-02	SW-020-3-C17	SOIL	8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY	05/20/21 13:53	05/20/21
L2126802-03	SW-021-3-D17	SOIL	8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY	05/20/21 13:55	05/20/21
L2126802-04	SW-022-3.5-E17	SOIL	8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY	05/20/21 13:57	05/20/21
L2126802-05	SW-023-3.5-F17	SOIL	8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY	05/20/21 14:00	05/20/21
L2126802-06	SW-024-4-G17	SOIL	8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY	05/20/21 14:02	05/20/21
L2126802-07	FD-006-20210520	SOIL	8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY	05/20/21 00:00	05/20/21

Project Name:	COTTAGE PLACE GARDENS PHASE 5	**Lab Number:**	L2126802
Project Number:	16.6669	**Report Date:**	06/08/21

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:	COTTAGE PLACE GARDENS PHASE 5	**Lab Number:**	L2126802
Project Number:	16.6669	**Report Date:**	06/08/21

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

The WG1506101-5 Method Blank, associated with L2126802-04 and -07, has a concentration above the reporting limit for toluene. Since the samples were non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.

Semivolatile Organics

The WG1506300-4/-5 MS/MSD recoveries, performed on L2126802-04, are outside the acceptance criteria for fluoranthene (0%/0)), benzo(a)anthracene (0%/0%), benzo(a)pyrene (0%/0%), benzo(b)fluoranthene (0%/0%), benzo(k)fluoranthene (0%/0%), chrysene (0%/0%), benzo(ghi)perylene (MSD 0%), phenanthrene (MSD 0%), indeno(1,2,3-cd)pyrene (0%/0%), and pyrene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

The WG1506300-5 MSD recovery, performed on L2126802-04, is below the acceptance criteria for 2,4-dinitrophenol (0%), due to the concentration of this compound in the MSD falling below the reported detection limit.

Total Metals

L2126802-01 through -07: 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.

The WG1505095-3/-4 MS/MSD recoveries for aluminum (1830%/1350%), calcium (0%/0%), iron (4100%/2610%), lead (45%/0%), manganese (330%/144%), and zinc (MS 187%), performed on L2126802-04, do not apply because the sample concentrations are greater than four times the spike amounts added. The MS/MSD RPD for manganese (22%) is above the acceptance criteria.

The WG1505095-3/-4 MS/MSD recoveries, performed on L2126802-04, are outside the acceptance criteria

Project Name:	COTTAGE PLACE GARDENS PHASE 5	**Lab Number:**	L2126802
Project Number:	16.6669	**Report Date:**	06/08/21

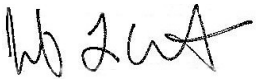
Case Narrative (continued)

for antimony (MSD 74%), barium (70%/20%), beryllium (MS 126%), chromium (145%/133%), copper (163%/162%) and magnesium (184%/162%), and potassium (MS 129%). A post digestion spike was performed and was within acceptance criteria.

Hexavalent Chromium

The WG1506192-4/-5 MS/MSD RPD, performed on L2126802-04, is above the acceptance criteria for chromium, hexavalent (60%).

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:  Jennifer L Clements

Title: Technical Director/Representative Date: 06/08/21

ORGANICS

VOLATILES

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-04
Client ID: SW-022-3.5-E17
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/29/21 00:23
Analyst: JC
Percent Solids: 90%

Date Collected: 05/20/21 13:57
Date Received: 05/20/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-04 Date Collected: 05/20/21 13:57

Client ID: SW-022-3.5-E17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
Methyl Acetate	ND		ug/kg	4.1	0.97	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	82	36.	1
Freon-113	ND		ug/kg	4.1	0.71	1
Methyl cyclohexane	ND		ug/kg	4.1	0.61	1

Tentatively Identified Compounds					
Total TIC Compounds	5.97	J	ug/kg		1
Unknown	2.11	J	ug/kg		1
Cyclotrisiloxane, Hexamethyl-	3.86	NJ	ug/kg		1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	100		70-130

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-07
Client ID: FD-006-20210520
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/28/21 23:43
Analyst: JC
Percent Solids: 89%

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.21	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-07 Date Collected: 05/20/21 00:00

Client ID: FD-006-20210520 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Cyclohexane	ND		ug/kg	11	0.59	1
1,4-Dioxane	ND		ug/kg	87	38.	1
Freon-113	ND		ug/kg	4.4	0.76	1
Methyl cyclohexane	ND		ug/kg	4.4	0.66	1

Tentatively Identified Compounds				
Total TIC Compounds	3.41	J	ug/kg	1
Cyclotrisiloxane, Hexamethyl-	3.41	NJ	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	96		70-130

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/21 17:10
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,07 Batch: WG1506101-5					
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	1.0		ug/kg	1.0	0.54
Ethylbenzene	0.20	J	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: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/21 17:10
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,07 Batch: WG1506101-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		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	0.67	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	9.0	J	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
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	0.46	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.36	J	ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Tentatively Identified Compounds

Total TIC Compounds	20.1	J	ug/kg
Pentane	3.13	NJ	ug/kg

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/21 17:10
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,07 Batch: WG1506101-5					
Tentatively Identified Compounds					
n-Butyl ether	2.29	NJ	ug/kg		
Unknown	2.35	J	ug/kg		
Cyclotrisiloxane, Hexamethyl-	5.71	NJ	ug/kg		
Butane, 2-Methyl-	4.25	NJ	ug/kg		
Unknown	2.41	J	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07 Batch: WG1506101-3 WG1506101-4								
Methylene chloride	89		90		70-130	1		30
1,1-Dichloroethane	97		98		70-130	1		30
Chloroform	90		92		70-130	2		30
Carbon tetrachloride	104		105		70-130	1		30
1,2-Dichloropropane	97		97		70-130	0		30
Dibromochloromethane	99		101		70-130	2		30
1,1,2-Trichloroethane	89		90		70-130	1		30
Tetrachloroethene	95		95		70-130	0		30
Chlorobenzene	91		92		70-130	1		30
Trichlorofluoromethane	102		104		70-139	2		30
1,2-Dichloroethane	95		97		70-130	2		30
1,1,1-Trichloroethane	101		103		70-130	2		30
Bromodichloromethane	98		99		70-130	1		30
trans-1,3-Dichloropropene	96		97		70-130	1		30
cis-1,3-Dichloropropene	98		101		70-130	3		30
Bromoform	93		97		70-130	4		30
1,1,2,2-Tetrachloroethane	88		91		70-130	3		30
Benzene	94		95		70-130	1		30
Toluene	89		89		70-130	0		30
Ethylbenzene	95		95		70-130	0		30
Chloromethane	91		90		52-130	1		30
Bromomethane	86		94		57-147	9		30
Vinyl chloride	100		98		67-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07 Batch: WG1506101-3 WG1506101-4								
Chloroethane	96		98		50-151	2		30
1,1-Dichloroethene	96		98		65-135	2		30
trans-1,2-Dichloroethene	95		95		70-130	0		30
Trichloroethene	94		95		70-130	1		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	94		94		70-130	0		30
Methyl tert butyl ether	92		95		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		94		70-130	0		30
cis-1,2-Dichloroethene	91		93		70-130	2		30
Styrene	94		94		70-130	0		30
Dichlorodifluoromethane	99		101		30-146	2		30
Acetone	90		94		54-140	4		30
Carbon disulfide	95		95		59-130	0		30
2-Butanone	93		98		70-130	5		30
4-Methyl-2-pentanone	89		96		70-130	8		30
2-Hexanone	94		99		70-130	5		30
Bromochloromethane	93		96		70-130	3		30
1,2-Dibromoethane	92		94		70-130	2		30
1,2-Dibromo-3-chloropropane	90		93		68-130	3		30
Isopropylbenzene	95		96		70-130	1		30
1,2,3-Trichlorobenzene	94		97		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07 Batch: WG1506101-3 WG1506101-4								
1,2,4-Trichlorobenzene	98		99		70-130	1		30
Methyl Acetate	93		96		51-146	3		30
Cyclohexane	105		106		59-142	1		30
1,4-Dioxane	91		100		65-136	9		30
Freon-113	101		102		50-139	1		30
Methyl cyclohexane	97		98		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		103		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	102		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07 QC Batch ID: WG1506101-6 WG1506101-7 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17												
Methylene chloride	ND	101	98	97		110	89		70-130	11		30
1,1-Dichloroethane	ND	101	110	105		120	101		70-130	16		30
Chloroform	ND	101	98	97		110	91		70-130	13		30
Carbon tetrachloride	ND	101	110	113		130	109		70-130	16		30
1,2-Dichloropropane	ND	101	110	105		120	96		70-130	11		30
Dibromochloromethane	ND	101	110	110		120	97		70-130	7		30
1,1,2-Trichloroethane	ND	101	100	101		110	89		70-130	8		30
Tetrachloroethene	ND	101	100	102		110	93		70-130	10		30
Chlorobenzene	ND	101	98	97		100	84		70-130	5		30
Trichlorofluoromethane	ND	101	110	108		130	106		70-139	18		30
1,2-Dichloroethane	ND	101	100	100		110	89		70-130	8		30
1,1,1-Trichloroethane	ND	101	110	109		130	105		70-130	16		30
Bromodichloromethane	ND	101	110	107		120	95		70-130	8		30
trans-1,3-Dichloropropene	ND	101	110	107		110	91		70-130	4		30
cis-1,3-Dichloropropene	ND	101	110	109		120	94		70-130	5		30
Bromoform	ND	101	120	116		120	98		70-130	3		30
1,1,2,2-Tetrachloroethane	ND	101	110	105		110	89		70-130	3		30
Benzene	ND	101	110	104		120	96		70-130	12		30
Toluene	ND	101	99	98		110	90		70-130	12		30
Ethylbenzene	ND	101	110	105		120	93		70-130	8		30
Chloromethane	ND	101	93	92		110	92		52-130	20		30
Bromomethane	ND	101	120	114		130	104		57-147	11		30
Vinyl chloride	ND	101	110	111		140	110		67-130	19		30

Matrix Spike Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07 QC Batch ID: WG1506101-6 WG1506101-7 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17												
Chloroethane	ND	101	110	107		120	99		50-151	12		30
1,1-Dichloroethene	ND	101	110	108		130	104		65-135	16		30
trans-1,2-Dichloroethene	ND	101	100	102		120	97		70-130	14		30
Trichloroethene	ND	101	110	108		120	98		70-130	10		30
1,2-Dichlorobenzene	ND	101	100	99		97	78		70-130	3		30
1,3-Dichlorobenzene	ND	101	100	102		100	81		70-130	3		30
1,4-Dichlorobenzene	ND	101	100	100		97	79		70-130	4		30
Methyl tert butyl ether	ND	101	100	100		110	91		66-130	10		30
p/m-Xylene	ND	202	210	101		220	89		70-130	7		30
o-Xylene	ND	202	210	102		220	89		70-130	6		30
cis-1,2-Dichloroethene	ND	101	100	100		110	92		70-130	11		30
Styrene	ND	202	200	99		200	82		70-130	1		30
Dichlorodifluoromethane	ND	101	100	103		130	102		30-146	18		30
Acetone	ND	101	99	98		110	90		54-140	11		30
Carbon disulfide	ND	101	110	105		120	98		59-130	13		30
2-Butanone	ND	101	100	101		110	89		70-130	7		30
4-Methyl-2-pentanone	ND	101	110	104		120	94		70-130	10		30
2-Hexanone	ND	101	110	106		120	93		70-130	7		30
Bromochloromethane	ND	101	98	97		110	87		70-130	8		30
1,2-Dibromoethane	ND	101	100	101		110	85		70-130	3		30
1,2-Dibromo-3-chloropropane	ND	101	110	111		110	90		68-130	1		30
Isopropylbenzene	ND	101	120	115		130	104		70-130	10		30
1,2,3-Trichlorobenzene	ND	101	74	73		60	**49**	Q	70-130	20		30

Matrix Spike Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07 QC Batch ID: WG1506101-6 WG1506101-7 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17												
1,2,4-Trichlorobenzene	ND	101	82	81		68	**55**	Q	70-130	18		30
Methyl Acetate	ND	101	150	143		180	144		51-146	20		30
Cyclohexane	ND	101	120	116		140	110		59-142	15		30
1,4-Dioxane	ND	5060	6600	130		8800	**144**	Q	65-136	29		30
Freon-113	ND	101	110	110		130	106		50-139	16		30
Methyl cyclohexane	ND	101	110	106		120	96		70-130	10		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
4-Bromofluorobenzene	104		107		70-130
Dibromofluoromethane	101		98		70-130
Toluene-d8	102		103		70-130

SEMIVOLATILES

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-01
Client ID: SW-019-3-B17
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/07/21 03:36
Analyst: SZ
Percent Solids: 86%

Date Collected: 05/20/21 13:50
Date Received: 05/20/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 06/03/21 00:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	110	J	ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	1300		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	90	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	610		ug/kg	120	22.	1
Benzo(a)pyrene	540		ug/kg	150	47.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-01 Date Collected: 05/20/21 13:50

Client ID: SW-019-3-B17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, 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	680		ug/kg	120	32.	1
Benzo(k)fluoranthene	250		ug/kg	120	31.	1
Chrysene	570		ug/kg	120	20.	1
Acenaphthylene	44	J	ug/kg	150	30.	1
Anthracene	200		ug/kg	120	38.	1
Benzo(ghi)perylene	310		ug/kg	150	23.	1
Fluorene	89	J	ug/kg	190	19.	1
Phenanthrene	1200		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	83	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	350		ug/kg	150	27.	1
Pyrene	1100		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	100	J	ug/kg	190	18.	1
2-Methylnaphthalene	42	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	150	J	ug/kg	190	19.	1
Atrazine	ND		ug/kg	150	68.	1
Benzaldehyde	ND		ug/kg	260	52.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-01 Date Collected: 05/20/21 13:50

Client ID: SW-019-3-B17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1
Tentatively Identified Compounds						
Total TIC Compounds	2080	J	ug/kg			1
Unknown	162	J	ug/kg			1
Unknown	201	J	ug/kg			1
Unknown	163	J	ug/kg			1
Unknown	254	J	ug/kg			1
Unknown Organic Acid	340	J	ug/kg			1
Unknown PAH	192	J	ug/kg			1
Unknown PAH	359	J	ug/kg			1
Unknown Ketone	240	J	ug/kg			1
Unknown	167	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	100		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	80		18-120

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-02
Client ID: SW-020-3-C17
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/07/21 04:00
Analyst: SZ
Percent Solids: 89%

Date Collected: 05/20/21 13:53
Date Received: 05/20/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 06/03/21 00:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	26	J	ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	1100		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	46	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	120	J	ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	660		ug/kg	110	21.	1
Benzo(a)pyrene	650		ug/kg	150	45.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-02 Date Collected: 05/20/21 13:53

Client ID: SW-020-3-C17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, 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	810		ug/kg	110	31.	1
Benzo(k)fluoranthene	230		ug/kg	110	30.	1
Chrysene	590		ug/kg	110	19.	1
Acenaphthylene	110	J	ug/kg	150	28.	1
Anthracene	150		ug/kg	110	36.	1
Benzo(ghi)perylene	420		ug/kg	150	22.	1
Fluorene	29	J	ug/kg	180	18.	1
Phenanthrene	410		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	460		ug/kg	150	26.	1
Pyrene	1000		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	18	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	44	J	ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	240	50.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-02 Date Collected: 05/20/21 13:53

Client ID: SW-020-3-C17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1
Tentatively Identified Compounds						
Total TIC Compounds	2100	J	ug/kg			1
Unknown	149	J	ug/kg			1
Unknown	835	J	ug/kg			1
Unknown PAH	441	J	ug/kg			1
Unknown Organic Acid	296	J	ug/kg			1
Unknown	210	J	ug/kg			1
Unknown Naphthalene	172	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	79		18-120

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-03
Client ID: SW-021-3-D17
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/07/21 04:24
Analyst: SZ
Percent Solids: 90%

Date Collected: 05/20/21 13:55
Date Received: 05/20/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 06/03/21 00:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	62	J	ug/kg	140	19.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	2000		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	100	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	270		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	1200		ug/kg	110	20.	1
Benzo(a)pyrene	1200		ug/kg	140	44.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-03 Date Collected: 05/20/21 13:55

Client ID: SW-021-3-D17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, 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	1500		ug/kg	110	31.	1
Benzo(k)fluoranthene	520		ug/kg	110	29.	1
Chrysene	1100		ug/kg	110	19.	1
Acenaphthylene	290		ug/kg	140	28.	1
Anthracene	320		ug/kg	110	35.	1
Benzo(ghi)perylene	900		ug/kg	140	21.	1
Fluorene	65	J	ug/kg	180	18.	1
Phenanthrene	820		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	200		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	920		ug/kg	140	25.	1
Pyrene	1900		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	46	J	ug/kg	180	17.	1
2-Methylnaphthalene	40	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	150	J	ug/kg	180	18.	1
Atrazine	ND		ug/kg	140	64.	1
Benzaldehyde	ND		ug/kg	240	49.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-03 Date Collected: 05/20/21 13:55

Client ID: SW-021-3-D17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	180	55.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1
Tentatively Identified Compounds						
Total TIC Compounds	2690	J	ug/kg			1
Unknown PAH	162	J	ug/kg			1
Unknown	284	J	ug/kg			1
Unknown	185	J	ug/kg			1
Unknown	150	J	ug/kg			1
Unknown PAH	898	J	ug/kg			1
Unknown Organic Acid	482	J	ug/kg			1
Unknown	207	J	ug/kg			1
Unknown	324	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	80		18-120

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-04
Client ID: SW-022-3.5-E17
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/07/21 15:32
Analyst: WR
Percent Solids: 90%

Date Collected: 05/20/21 13:57
Date Received: 05/20/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 06/02/21 00:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	7500	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	170	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	160	J	ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	4200		ug/kg	110	21.	1
Benzo(a)pyrene	3600		ug/kg	150	45.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-04 Date Collected: 05/20/21 13:57

Client ID: SW-022-3.5-E17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, 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	4300		ug/kg	110	31.	1
Benzo(k)fluoranthene	1500		ug/kg	110	29.	1
Chrysene	3600		ug/kg	110	19.	1
Acenaphthylene	500		ug/kg	150	28.	1
Anthracene	900		ug/kg	110	36.	1
Benzo(ghi)perylene	2200		ug/kg	150	22.	1
Fluorene	180		ug/kg	180	18.	1
Phenanthrene	3500		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	480		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2400		ug/kg	150	26.	1
Pyrene	7100		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	100	J	ug/kg	180	17.	1
2-Methylnaphthalene	53	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	270		ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	64.	1
Benzaldehyde	ND		ug/kg	240	50.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-04 Date Collected: 05/20/21 13:57

Client ID: SW-022-3.5-E17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1
Tentatively Identified Compounds						
Total TIC Compounds	10100	J	ug/kg			1
Unknown	441	J	ug/kg			1
Unknown PAH	553	J	ug/kg			1
Unknown PAH	611	J	ug/kg			1
Unknown PAH	430	J	ug/kg			1
Unknown	452	J	ug/kg			1
Unknown	718	J	ug/kg			1
Unknown PAH	276	J	ug/kg			1
Unknown PAH	566	J	ug/kg			1
Unknown PAH	976	J	ug/kg			1
Unknown PAH	502	J	ug/kg			1
Unknown PAH	598	J	ug/kg			1
Unknown PAH	781	J	ug/kg			1
Unknown PAH	2110	J	ug/kg			1
Unknown	842	J	ug/kg			1
Unknown PAH	286	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**121**	Q	25-120
Phenol-d6	112		10-120
Nitrobenzene-d5	**133**	Q	23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	107		10-136
4-Terphenyl-d14	69		18-120

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-04 D
Client ID: SW-022-3.5-E17
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/07/21 16:46
Analyst: WR
Percent Solids: 90%

Date Collected: 05/20/21 13:57
Date Received: 05/20/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 06/02/21 00:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	6200		ug/kg	550	100	5

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-05
Client ID: SW-023-3.5-F17
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/07/21 04:47
Analyst: SZ
Percent Solids: 88%

Date Collected: 05/20/21 14:00
Date Received: 05/20/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 06/03/21 00:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	1200		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	23	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	660		ug/kg	110	21.	1
Benzo(a)pyrene	700		ug/kg	150	45.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-05 Date Collected: 05/20/21 14:00

Client ID: SW-023-3.5-F17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, 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	840		ug/kg	110	31.	1
Benzo(k)fluoranthene	290		ug/kg	110	29.	1
Chrysene	600		ug/kg	110	19.	1
Acenaphthylene	130	J	ug/kg	150	28.	1
Anthracene	130		ug/kg	110	36.	1
Benzo(ghi)perylene	470		ug/kg	150	22.	1
Fluorene	21	J	ug/kg	180	18.	1
Phenanthrene	400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	480		ug/kg	150	26.	1
Pyrene	1200		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	47	J	ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	64.	1
Benzaldehyde	ND		ug/kg	240	50.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-05 Date Collected: 05/20/21 14:00

Client ID: SW-023-3.5-F17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1
Tentatively Identified Compounds						
Total TIC Compounds	663	J	ug/kg			1
Unknown PAH	511	J	ug/kg			1
Unknown PAH	152	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	69		18-120

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-06
Client ID: SW-024-4-G17
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/07/21 05:11
Analyst: SZ
Percent Solids: 86%

Date Collected: 05/20/21 14:02
Date Received: 05/20/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 06/03/21 00:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	450		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	290		ug/kg	110	21.	1
Benzo(a)pyrene	400		ug/kg	150	46.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-06 Date Collected: 05/20/21 14:02

Client ID: SW-024-4-G17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, 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	500		ug/kg	110	32.	1
Benzo(k)fluoranthene	160		ug/kg	110	30.	1
Chrysene	280		ug/kg	110	20.	1
Acenaphthylene	100	J	ug/kg	150	29.	1
Anthracene	67	J	ug/kg	110	36.	1
Benzo(ghi)perylene	460		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	140		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	74	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	400		ug/kg	150	26.	1
Pyrene	460		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	34	J	ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-06 Date Collected: 05/20/21 14:02

Client ID: SW-024-4-G17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1
Tentatively Identified Compounds						
Total TIC Compounds	318	J	ug/kg			1
Unknown PAH	318	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	73		18-120

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-07
Client ID: FD-006-20210520
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/03/21 05:48
Analyst: JG
Percent Solids: 89%

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

Extraction Method: EPA 3546
Extraction Date: 06/02/21 08:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	110	J	ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	4900		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	300		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	3700		ug/kg	110	21.	1
Benzo(a)pyrene	3700		ug/kg	150	46.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-07 Date Collected: 05/20/21 00:00

Client ID: FD-006-20210520 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, 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	4600		ug/kg	110	31.	1
Benzo(k)fluoranthene	1100		ug/kg	110	30.	1
Chrysene	3400		ug/kg	110	19.	1
Acenaphthylene	540		ug/kg	150	29.	1
Anthracene	1000		ug/kg	110	36.	1
Benzo(ghi)perylene	2700		ug/kg	150	22.	1
Fluorene	150	J	ug/kg	190	18.	1
Phenanthrene	2500		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	910		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	2800		ug/kg	150	26.	1
Pyrene	4900		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	99	J	ug/kg	190	18.	1
2-Methylnaphthalene	90	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	56	J	ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	440		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	250	50.	1

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-07 Date Collected: 05/20/21 00:00

Client ID: FD-006-20210520 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1
Tentatively Identified Compounds						
Total TIC Compounds	10800	J	ug/kg			1
Unknown PAH	573	J	ug/kg			1
Unknown Ketone	593	J	ug/kg			1
Unknown PAH	1280	J	ug/kg			1
Unknown	698	J	ug/kg			1
Unknown PAH	621	J	ug/kg			1
Unknown PAH	719	J	ug/kg			1
Unknown	585	J	ug/kg			1
Unknown PAH	585	J	ug/kg			1
Unknown	595	J	ug/kg			1
Unknown PAH	804	J	ug/kg			1
Unknown PAH	938	J	ug/kg			1
Unknown PAH	961	J	ug/kg			1
Unknown	571	J	ug/kg			1
Unknown	582	J	ug/kg			1
Unknown	656	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	88		18-120

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/03/21 09:54
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/02/21 00:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1506300-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	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	98	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	26.
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	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
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	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/03/21 09:54
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/02/21 00:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1506300-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	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	15.
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	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/03/21 09:54
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/02/21 00:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1506300-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	77		18-120

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/02/21 21:21
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/02/21 08:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1506442-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	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	98	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	26.
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	41.
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	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/02/21 21:21
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/02/21 08:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1506442-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	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	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/02/21 21:21
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/02/21 08:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1506442-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	91		18-120

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/03/21 23:32
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/03/21 00:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06 Batch: WG1506844-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
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	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/03/21 23:32
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/03/21 00:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06 Batch: WG1506844-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
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	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/03/21 23:32
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/03/21 00:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06 Batch: WG1506844-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	73		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1506300-2 WG1506300-3								
Acenaphthene	80		90		31-137	12		50
Hexachlorobenzene	78		88		40-140	12		50
Bis(2-chloroethyl)ether	79		85		40-140	7		50
2-Chloronaphthalene	85		96		40-140	12		50
3,3'-Dichlorobenzidine	70		80		40-140	13		50
2,4-Dinitrotoluene	77		88		40-132	13		50
2,6-Dinitrotoluene	92		105		40-140	13		50
Fluoranthene	81		94		40-140	15		50
4-Chlorophenyl phenyl ether	80		90		40-140	12		50
4-Bromophenyl phenyl ether	78		89		40-140	13		50
Bis(2-chloroisopropyl)ether	104		113		40-140	8		50
Bis(2-chloroethoxy)methane	82		89		40-117	8		50
Hexachlorobutadiene	85		94		40-140	10		50
Hexachlorocyclopentadiene	74		84		40-140	13		50
Hexachloroethane	83		92		40-140	10		50
Isophorone	86		94		40-140	9		50
Naphthalene	78		85		40-140	9		50
Nitrobenzene	89		96		40-140	8		50
NDPA/DPA	80		92		36-157	14		50
n-Nitrosodi-n-propylamine	91		98		32-121	7		50
Bis(2-ethylhexyl)phthalate	101		115		40-140	13		50
Butyl benzyl phthalate	90		104		40-140	14		50
Di-n-butylphthalate	94		110		40-140	16		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1506300-2 WG1506300-3								
Di-n-octylphthalate	97		111		40-140	13		50
Diethyl phthalate	86		97		40-140	12		50
Dimethyl phthalate	85		98		40-140	14		50
Benzo(a)anthracene	83		94		40-140	12		50
Benzo(a)pyrene	78		89		40-140	13		50
Benzo(b)fluoranthene	79		86		40-140	8		50
Benzo(k)fluoranthene	74		87		40-140	16		50
Chrysene	80		91		40-140	13		50
Acenaphthylene	79		89		40-140	12		50
Anthracene	83		97		40-140	16		50
Benzo(ghi)perylene	82		97		40-140	17		50
Fluorene	81		93		40-140	14		50
Phenanthrene	83		97		40-140	16		50
Dibenzo(a,h)anthracene	82		95		40-140	15		50
Indeno(1,2,3-cd)pyrene	81		96		40-140	17		50
Pyrene	79		94		35-142	17		50
Biphenyl	79		87		37-127	10		50
4-Chloroaniline	92		104		40-140	12		50
2-Nitroaniline	92		104		47-134	12		50
3-Nitroaniline	79		90		26-129	13		50
4-Nitroaniline	81		92		41-125	13		50
Dibenzofuran	79		90		40-140	13		50
2-Methylnaphthalene	80		88		40-140	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1506300-2 WG1506300-3								
1,2,4,5-Tetrachlorobenzene	83		91		40-117	9		50
Acetophenone	78		86		14-144	10		50
2,4,6-Trichlorophenol	94		106		30-130	12		50
p-Chloro-m-cresol	92		103		26-103	11		50
2-Chlorophenol	81		87		25-102	7		50
2,4-Dichlorophenol	91		100		30-130	9		50
2,4-Dimethylphenol	81		91		30-130	12		50
2-Nitrophenol	91		99		30-130	8		50
4-Nitrophenol	105		**120**	Q	11-114	13		50
2,4-Dinitrophenol	91		106		4-130	15		50
4,6-Dinitro-o-cresol	88		100		10-130	13		50
Pentachlorophenol	80		95		17-109	17		50
Phenol	81		87		26-90	7		50
2-Methylphenol	86		94		30-130.	9		50
3-Methylphenol/4-Methylphenol	95		105		30-130	10		50
2,4,5-Trichlorophenol	95		107		30-130	12		50
Carbazole	82		98		54-128	18		50
Atrazine	77		89		40-140	14		50
Benzaldehyde	70		78		40-140	11		50
Caprolactam	118		**132**	Q	15-130	11		50
2,3,4,6-Tetrachlorophenol	88		101		40-140	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1506300-2 WG1506300-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	85		92		25-120
Phenol-d6	87		95		10-120
Nitrobenzene-d5	91		99		23-120
2-Fluorobiphenyl	79		87		30-120
2,4,6-Tribromophenol	94		107		10-136
4-Terphenyl-d14	71		83		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1506442-2 WG1506442-3								
Acenaphthene	80		80		31-137	0		50
Hexachlorobenzene	80		83		40-140	4		50
Bis(2-chloroethyl)ether	73		70		40-140	4		50
2-Chloronaphthalene	81		82		40-140	1		50
3,3'-Dichlorobenzidine	62		63		40-140	2		50
2,4-Dinitrotoluene	84		86		40-132	2		50
2,6-Dinitrotoluene	90		91		40-140	1		50
Fluoranthene	87		88		40-140	1		50
4-Chlorophenyl phenyl ether	81		81		40-140	0		50
4-Bromophenyl phenyl ether	82		83		40-140	1		50
Bis(2-chloroisopropyl)ether	66		63		40-140	5		50
Bis(2-chloroethoxy)methane	77		74		40-117	4		50
Hexachlorobutadiene	73		73		40-140	0		50
Hexachlorocyclopentadiene	80		80		40-140	0		50
Hexachloroethane	71		68		40-140	4		50
Isophorone	78		76		40-140	3		50
Naphthalene	75		75		40-140	0		50
Nitrobenzene	82		80		40-140	2		50
NDPA/DPA	84		85		36-157	1		50
n-Nitrosodi-n-propylamine	80		78		32-121	3		50
Bis(2-ethylhexyl)phthalate	94		94		40-140	0		50
Butyl benzyl phthalate	97		97		40-140	0		50
Di-n-butylphthalate	92		93		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1506442-2 WG1506442-3								
Di-n-octylphthalate	96		94		40-140	2		50
Diethyl phthalate	83		84		40-140	1		50
Dimethyl phthalate	90		91		40-140	1		50
Benzo(a)anthracene	80		83		40-140	4		50
Benzo(a)pyrene	87		90		40-140	3		50
Benzo(b)fluoranthene	89		84		40-140	6		50
Benzo(k)fluoranthene	83		95		40-140	13		50
Chrysene	83		84		40-140	1		50
Acenaphthylene	81		82		40-140	1		50
Anthracene	84		85		40-140	1		50
Benzo(ghi)perylene	82		85		40-140	4		50
Fluorene	82		81		40-140	1		50
Phenanthrene	81		82		40-140	1		50
Dibenzo(a,h)anthracene	88		90		40-140	2		50
Indeno(1,2,3-cd)pyrene	84		90		40-140	7		50
Pyrene	85		86		35-142	1		50
Biphenyl	78		81		37-127	4		50
4-Chloroaniline	59		54		40-140	9		50
2-Nitroaniline	87		89		47-134	2		50
3-Nitroaniline	67		62		26-129	8		50
4-Nitroaniline	75		74		41-125	1		50
Dibenzofuran	79		81		40-140	3		50
2-Methylnaphthalene	80		80		40-140	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1506442-2 WG1506442-3								
1,2,4,5-Tetrachlorobenzene	78		76		40-117	3		50
Acetophenone	73		70		14-144	4		50
2,4,6-Trichlorophenol	85		85		30-130	0		50
p-Chloro-m-cresol	86		90		26-103	5		50
2-Chlorophenol	75		74		25-102	1		50
2,4-Dichlorophenol	87		84		30-130	4		50
2,4-Dimethylphenol	86		84		30-130	2		50
2-Nitrophenol	83		79		30-130	5		50
4-Nitrophenol	72		73		11-114	1		50
2,4-Dinitrophenol	64		78		4-130	20		50
4,6-Dinitro-o-cresol	84		89		10-130	6		50
Pentachlorophenol	72		78		17-109	8		50
Phenol	82		80		26-90	2		50
2-Methylphenol	81		79		30-130.	3		50
3-Methylphenol/4-Methylphenol	88		86		30-130	2		50
2,4,5-Trichlorophenol	89		91		30-130	2		50
Carbazole	82		82		54-128	0		50
Atrazine	87		88		40-140	1		50
Benzaldehyde	67		62		40-140	8		50
Caprolactam	77		76		15-130	1		50
2,3,4,6-Tetrachlorophenol	81		84		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1506442-2 WG1506442-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		72		25-120
Phenol-d6	73		70		10-120
Nitrobenzene-d5	76		76		23-120
2-Fluorobiphenyl	83		82		30-120
2,4,6-Tribromophenol	79		80		10-136
4-Terphenyl-d14	93		92		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5
Project Number: 16.6669

Lab Number: L2126802
Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG1506844-2 WG1506844-3								
Acenaphthene	62		60		31-137	3		50
Hexachlorobenzene	51		51		40-140	0		50
Bis(2-chloroethyl)ether	53		50		40-140	6		50
2-Chloronaphthalene	58		56		40-140	4		50
3,3'-Dichlorobenzidine	55		56		40-140	2		50
2,4-Dinitrotoluene	69		69		40-132	0		50
2,6-Dinitrotoluene	67		68		40-140	1		50
Fluoranthene	64		65		40-140	2		50
4-Chlorophenyl phenyl ether	58		57		40-140	2		50
4-Bromophenyl phenyl ether	55		56		40-140	2		50
Bis(2-chloroisopropyl)ether	56		51		40-140	9		50
Bis(2-chloroethoxy)methane	56		52		40-117	7		50
Hexachlorobutadiene	46		40		40-140	14		50
Hexachlorocyclopentadiene	53		48		40-140	10		50
Hexachloroethane	54		48		40-140	12		50
Isophorone	59		55		40-140	7		50
Naphthalene	54		51		40-140	6		50
Nitrobenzene	60		55		40-140	9		50
NDPA/DPA	64		64		36-157	0		50
n-Nitrosodi-n-propylamine	61		56		32-121	9		50
Bis(2-ethylhexyl)phthalate	88		86		40-140	2		50
Butyl benzyl phthalate	74		77		40-140	4		50
Di-n-butylphthalate	74		75		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG1506844-2 WG1506844-3								
Di-n-octylphthalate	83		83		40-140	0		50
Diethyl phthalate	69		67		40-140	3		50
Dimethyl phthalate	64		62		40-140	3		50
Benzo(a)anthracene	65		66		40-140	2		50
Benzo(a)pyrene	65		66		40-140	2		50
Benzo(b)fluoranthene	64		65		40-140	2		50
Benzo(k)fluoranthene	62		62		40-140	0		50
Chrysene	62		62		40-140	0		50
Acenaphthylene	59		58		40-140	2		50
Anthracene	62		63		40-140	2		50
Benzo(ghi)perylene	64		65		40-140	2		50
Fluorene	62		63		40-140	2		50
Phenanthrene	59		60		40-140	2		50
Dibenzo(a,h)anthracene	64		66		40-140	3		50
Indeno(1,2,3-cd)pyrene	67		69		40-140	3		50
Pyrene	61		62		35-142	2		50
Biphenyl	51		48		37-127	6		50
4-Chloroaniline	61		60		40-140	2		50
2-Nitroaniline	67		66		47-134	2		50
3-Nitroaniline	63		64		26-129	2		50
4-Nitroaniline	64		64		41-125	0		50
Dibenzofuran	59		59		40-140	0		50
2-Methylnaphthalene	57		55		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG1506844-2 WG1506844-3								
1,2,4,5-Tetrachlorobenzene	44		42		40-117	5		50
Acetophenone	58		54		14-144	7		50
2,4,6-Trichlorophenol	62		60		30-130	3		50
p-Chloro-m-cresol	68		67		26-103	1		50
2-Chlorophenol	60		54		25-102	11		50
2,4-Dichlorophenol	62		58		30-130	7		50
2,4-Dimethylphenol	65		62		30-130	5		50
2-Nitrophenol	67		62		30-130	8		50
4-Nitrophenol	87		87		11-114	0		50
2,4-Dinitrophenol	62		66		4-130	6		50
4,6-Dinitro-o-cresol	70		70		10-130	0		50
Pentachlorophenol	60		62		17-109	3		50
Phenol	60		57		26-90	5		50
2-Methylphenol	63		59		30-130.	7		50
3-Methylphenol/4-Methylphenol	61		59		30-130	3		50
2,4,5-Trichlorophenol	61		62		30-130	2		50
Carbazole	64		65		54-128	2		50
Atrazine	64		64		40-140	0		50
Benzaldehyde	48		43		40-140	11		50
Caprolactam	60		62		15-130	3		50
2,3,4,6-Tetrachlorophenol	58		59		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG1506844-2 WG1506844-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	54		51		25-120
Phenol-d6	59		56		10-120
Nitrobenzene-d5	58		54		23-120
2-Fluorobiphenyl	56		55		30-120
2,4,6-Tribromophenol	57		56		10-136
4-Terphenyl-d14	57		59		18-120

Matrix Spike Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1506300-4 WG1506300-5 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17												
Acenaphthene	120J	1460	1100	75		1100	74		31-137	0		50
Hexachlorobenzene	ND	1460	900	62		980	66		40-140	9		50
Bis(2-chloroethyl)ether	ND	1460	1200	82		1200	81		40-140	0		50
2-Chloronaphthalene	ND	1460	1100	75		1100	74		40-140	0		50
3,3'-Dichlorobenzidine	ND	1460	520	**36**	Q	610	41		40-140	16		50
2,4-Dinitrotoluene	ND	1460	1000	68		1000	67		40-132	0		50
2,6-Dinitrotoluene	ND	1460	1200	82		1200	81		40-140	0		50
Fluoranthene	7500E	1460	6200	**0**	Q	4800	**0**	Q	40-140	25		50
4-Chlorophenyl phenyl ether	ND	1460	960	66		1000	67		40-140	4		50
4-Bromophenyl phenyl ether	ND	1460	930	64		960	65		40-140	3		50
Bis(2-chloroisopropyl)ether	ND	1460	1600	110		1600	110		40-140	0		50
Bis(2-chloroethoxy)methane	ND	1460	1200	82		1200	81		40-117	0		50
Hexachlorobutadiene	ND	1460	1100	75		1200	81		40-140	9		50
Hexachlorocyclopentadiene	ND	1460	340J	**23**	Q	340J	**23**	Q	40-140	0		50
Hexachloroethane	ND	1460	1200	82		1200	81		40-140	0		50
Isophorone	ND	1460	1200	82		1200	81		40-140	0		50
Naphthalene	170J	1460	1200	82		1200	81		40-140	0		50
Nitrobenzene	ND	1460	1400	96		1400	94		40-140	0		50
NDPA/DPA	ND	1460	1000	68		1100	74		36-157	10		50
n-Nitrosodi-n-propylamine	ND	1460	1300	89		1400	94		32-121	7		50
Bis(2-ethylhexyl)phthalate	ND	1460	1100	75		1200	81		40-140	9		50
Butyl benzyl phthalate	ND	1460	1000	68		1100	74		40-140	10		50
Di-n-butylphthalate	160J	1460	1100	75		1800	120		40-140	48		50

Matrix Spike Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1506300-4 WG1506300-5 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17												
Di-n-octylphthalate	ND	1460	1100	75		1200	81		40-140	9		50
Diethyl phthalate	ND	1460	1100	75		1200	81		40-140	9		50
Dimethyl phthalate	ND	1460	1100	75		1100	74		40-140	0		50
Benzo(a)anthracene	4200	1460	3500	**0**	Q	3000	**0**	Q	40-140	15		50
Benzo(a)pyrene	3600	1460	3000	**0**	Q	2700	**0**	Q	40-140	11		50
Benzo(b)fluoranthene	4300	1460	3600	**0**	Q	3100	**0**	Q	40-140	15		50
Benzo(k)fluoranthene	1500	1460	1500	**0**	Q	1600	**7**	Q	40-140	6		50
Chrysene	3600	1460	3200	**0**	Q	2700	**0**	Q	40-140	17		50
Acenaphthylene	500	1460	1400	62		1400	61		40-140	0		50
Anthracene	900	1460	1700	55		1700	54		40-140	0		50
Benzo(ghi)perylene	2200	1460	2400	**14**	Q	2200	**0**	Q	40-140	9		50
Fluorene	180	1460	1100	75		1200	81		40-140	9		50
Phenanthrene	3500	1460	3800	**21**	Q	2700	**0**	Q	40-140	34		50
Dibenzo(a,h)anthracene	480	1460	1200	49		1200	48		40-140	0		50
Indeno(1,2,3-cd)pyrene	2400	1460	2400	**0**	Q	2200	**0**	Q	40-140	9		50
Pyrene	7100	1460	5600	**0**	Q	4500	**0**	Q	35-142	22		50
Biphenyl	ND	1460	1000	68		1000	67		37-127	0		50
4-Chloroaniline	ND	1460	1200	82		1400	94		40-140	15		50
2-Nitroaniline	ND	1460	1300	89		1300	87		47-134	0		50
3-Nitroaniline	ND	1460	1000	68		1100	74		26-129	10		50
4-Nitroaniline	ND	1460	980	67		1000	67		41-125	2		50
Dibenzofuran	100J	1460	1100	75		1100	74		40-140	0		50
2-Methylnaphthalene	53J	1460	1100	75		1100	74		40-140	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1506300-4 WG1506300-5 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17												
1,2,4,5-Tetrachlorobenzene	ND	1460	1000	68		1100	74		40-117	10		50
Acetophenone	ND	1460	1200	82		1200	81		14-144	0		50
2,4,6-Trichlorophenol	ND	1460	1300	89		1300	87		30-130	0		50
p-Chloro-m-cresol	ND	1460	1200	82		1300	87		26-103	8		50
2-Chlorophenol	ND	1460	1200	82		1200	81		25-102	0		50
2,4-Dichlorophenol	ND	1460	1300	89		1300	87		30-130	0		50
2,4-Dimethylphenol	ND	1460	1000	68		1000	67		30-130	0		50
2-Nitrophenol	ND	1460	1300	89		1300	87		30-130	0		50
4-Nitrophenol	ND	1460	1500	100		1500	100		11-114	0		50
2,4-Dinitrophenol	ND	1460	170J	12		ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1460	340J	23		240J	16		10-130	34		50
Pentachlorophenol	ND	1460	1100	75		1100	74		17-109	0		50
Phenol	ND	1460	1200	82		1200	81		26-90	0		50
2-Methylphenol	ND	1460	1200	82		1200	81		30-130.	0		50
3-Methylphenol/4-Methylphenol	ND	1460	1300	89		1300	87		30-130	0		50
2,4,5-Trichlorophenol	ND	1460	1300	89		1400	94		30-130	7		50
Carbazole	270	1460	1200	64		1300	69		54-128	8		50
Atrazine	ND	1460	1100	75		1100	74		40-140	0		50
Benzaldehyde	ND	1460	1100	75		1200	81		40-140	9		50
Caprolactam	ND	1460	1500	100		1500	100		15-130	0		50
2,3,4,6-Tetrachlorophenol	ND	1460	1200	82		1200	81		40-140	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5 ***Lab Number:*** L2126802

Project Number: 16.6669 ***Report Date:*** 06/08/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1506300-4 WG1506300-5 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	85		85		10-136
2-Fluorobiphenyl	68		64		30-120
2-Fluorophenol	83		82		25-120
4-Terphenyl-d14	55		50		18-120
Nitrobenzene-d5	94		93		23-120
Phenol-d6	84		84		10-120

PCBS

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-04
Client ID: SW-022-3.5-E17
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/03/21 09:14
Analyst: JAW
Percent Solids: 90%

Date Collected: 05/20/21 13:57
Date Received: 05/20/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 06/02/21 03:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/02/21
Cleanup Method: EPA 3660B
Cleanup Date: 06/03/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	3.26	1	A
Aroclor 1221	ND		ug/kg	36.7	3.68	1	A
Aroclor 1232	ND		ug/kg	36.7	7.78	1	A
Aroclor 1242	ND		ug/kg	36.7	4.94	1	A
Aroclor 1248	ND		ug/kg	36.7	5.50	1	A
Aroclor 1254	ND		ug/kg	36.7	4.01	1	A
Aroclor 1260	ND		ug/kg	36.7	6.78	1	A
Aroclor 1262	ND		ug/kg	36.7	4.66	1	A
Aroclor 1268	15.4	J	ug/kg	36.7	3.80	1	A
PCBs, Total	15.4	J	ug/kg	36.7	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-07
Client ID: FD-006-20210520
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/03/21 11:58
Analyst: JAW
Percent Solids: 89%

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

Extraction Method: EPA 3546
Extraction Date: 06/02/21 13:02
Cleanup Method: EPA 3665A
Cleanup Date: 06/02/21
Cleanup Method: EPA 3660B
Cleanup Date: 06/03/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	3.29	1	A
Aroclor 1221	ND		ug/kg	37.1	3.72	1	A
Aroclor 1232	ND		ug/kg	37.1	7.86	1	A
Aroclor 1242	ND		ug/kg	37.1	5.00	1	A
Aroclor 1248	ND		ug/kg	37.1	5.56	1	A
Aroclor 1254	ND		ug/kg	37.1	4.06	1	A
Aroclor 1260	ND		ug/kg	37.1	6.85	1	A
Aroclor 1262	ND		ug/kg	37.1	4.71	1	A
Aroclor 1268	6.46	J	ug/kg	37.1	3.84	1	A
PCBs, Total	6.46	J	ug/kg	37.1	3.29	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/03/21 08:49
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 06/02/21 03:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/02/21
Cleanup Method: EPA 3660B
Cleanup Date: 06/03/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04,07 Batch: WG1506322-1						
Aroclor 1016	ND		ug/kg	31.9	2.84	A
Aroclor 1221	ND		ug/kg	31.9	3.20	A
Aroclor 1232	ND		ug/kg	31.9	6.77	A
Aroclor 1242	ND		ug/kg	31.9	4.31	A
Aroclor 1248	ND		ug/kg	31.9	4.79	A
Aroclor 1254	ND		ug/kg	31.9	3.50	A
Aroclor 1262	ND		ug/kg	31.9	4.06	A
Aroclor 1268	ND		ug/kg	31.9	3.31	A
Aroclor 1260	12.5	J	ug/kg	31.9	5.90	B
PCBs, Total	12.5	J	ug/kg	31.9	2.84	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,07 Batch: WG1506322-2 WG1506322-3									
Aroclor 1016	64		66		40-140	3		50	A
Aroclor 1260	65		65		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		64		30-150	A
Decachlorobiphenyl	67		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		66		30-150	B
Decachlorobiphenyl	65		66		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,07 QC Batch ID: WG1506322-4 WG1506322-5 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17													
Aroclor 1016	ND	232	103	44		124	55		40-140	19		50	A
Aroclor 1260	ND	232	108	47		132	59		40-140	20		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		56		30-150	A
Decachlorobiphenyl	55		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		57		30-150	B
Decachlorobiphenyl	58		71		30-150	B

PESTICIDES

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-04
Client ID: SW-022-3.5-E17
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/02/21 12:40
Analyst: SDC
Percent Solids: 90%

Date Collected: 05/20/21 13:57
Date Received: 05/20/21
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 06/02/21 02:12
Cleanup Method: EPA 3620B
Cleanup Date: 06/02/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.332	1	A
Lindane	ND		ug/kg	0.705	0.315	1	A
Alpha-BHC	ND		ug/kg	0.705	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.642	1	A
Heptachlor	ND		ug/kg	0.846	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.596	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.952	1	A
Endrin	ND		ug/kg	0.705	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.741	1	A
Endrin ketone	4.42	IP	ug/kg	1.69	0.436	1	A
Dieldrin	ND		ug/kg	1.06	0.529	1	A
4,4'-DDE	1.62	JP	ug/kg	1.69	0.391	1	A
4,4'-DDD	ND	I	ug/kg	1.69	0.604	1	B
4,4'-DDT	3.42	P	ug/kg	3.17	1.36	1	B
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	2.97	P	ug/kg	1.69	0.566	1	B
Endosulfan sulfate	ND		ug/kg	0.705	0.336	1	A
Methoxychlor	ND		ug/kg	3.17	0.988	1	A
Toxaphene	ND		ug/kg	31.7	8.89	1	A
cis-Chlordane	ND		ug/kg	2.12	0.590	1	A
trans-Chlordane	ND		ug/kg	2.12	0.559	1	A
Chlordane	ND		ug/kg	14.1	5.61	1	A

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-04 Date Collected: 05/20/21 13:57

Client ID: SW-022-3.5-E17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-04
Client ID: SW-022-3.5-E17
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/27/21 19:17
Analyst: AR
Percent Solids: 90%
Methylation Date: 05/26/21 21:07

Date Collected: 05/20/21 13:57
Date Received: 05/20/21
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 05/25/21 16:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	185	4.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	87		30-150	B

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-07
Client ID: FD-006-20210520
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/03/21 10:19
Analyst: AR
Percent Solids: 89%

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

Extraction Method: EPA 3546
Extraction Date: 06/02/21 14:02
Cleanup Method: EPA 3620B
Cleanup Date: 06/03/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.730	0.326	1	A
Alpha-BHC	ND		ug/kg	0.730	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.664	1	A
Heptachlor	ND		ug/kg	0.876	0.392	1	A
Aldrin	ND		ug/kg	1.75	0.616	1	A
Heptachlor epoxide	ND		ug/kg	3.28	0.985	1	A
Endrin	ND		ug/kg	0.730	0.299	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.766	1	A
Endrin ketone	ND		ug/kg	1.75	0.451	1	A
Dieldrin	ND		ug/kg	1.09	0.547	1	A
4,4'-DDE	ND		ug/kg	1.75	0.405	1	A
4,4'-DDD	ND		ug/kg	1.75	0.624	1	A
4,4'-DDT	ND		ug/kg	3.28	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.585	1	A
Endosulfan sulfate	ND		ug/kg	0.730	0.347	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	9.19	1	A
cis-Chlordane	ND		ug/kg	2.19	0.610	1	A
trans-Chlordane	ND		ug/kg	2.19	0.578	1	A
Chlordane	ND		ug/kg	14.6	5.80	1	A

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-07 Date Collected: 05/20/21 00:00

Client ID: FD-006-20210520 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-07
Client ID: FD-006-20210520
Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/27/21 20:12
Analyst: AR
Percent Solids: 89%
Methylation Date: 05/26/21 21:07

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

Extraction Method: EPA 8151A
Extraction Date: 05/25/21 16:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	185	4.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	80		30-150	A
DCAA	86		30-150	B

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 05/27/21 05:52
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 05/25/21 16:29

Methylation Date: 05/26/21 16:46

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04,07 Batch: WG1503544-1						
2,4,5-TP (Silvex)	ND		ug/kg	162	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	70		30-150	A
DCAA	68		30-150	B

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/02/21 14:09
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 06/02/21 02:12
Cleanup Method: EPA 3620B
Cleanup Date: 06/02/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04,07 Batch: WG1506308-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Heptachlor epoxide	ND		ug/kg	2.87	0.862	A
Endrin	ND		ug/kg	0.638	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.670	A
Endrin ketone	ND		ug/kg	1.53	0.395	A
Dieldrin	ND		ug/kg	0.958	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.304	A
Methoxychlor	ND		ug/kg	2.87	0.894	A
Toxaphene	ND		ug/kg	28.7	8.04	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A
trans-Chlordane	ND		ug/kg	1.92	0.506	A
Chlordane	ND		ug/kg	12.8	5.08	A

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/02/21 14:09
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 06/02/21 02:12
Cleanup Method: EPA 3620B
Cleanup Date: 06/02/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04,07 Batch: WG1506308-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04,07 Batch: WG1503544-2 WG1503544-3									
2,4,5-TP (Silvex)	79		77		30-150	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	76		73		30-150	A
DCAA	78		75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04,07 Batch: WG1506308-2 WG1506308-3									
Delta-BHC	80		83		30-150	4		30	A
Lindane	81		85		30-150	5		30	A
Alpha-BHC	86		91		30-150	6		30	A
Beta-BHC	70		73		30-150	4		30	A
Heptachlor	80		88		30-150	10		30	A
Aldrin	81		86		30-150	6		30	A
Heptachlor epoxide	74		78		30-150	5		30	A
Endrin	81		86		30-150	6		30	A
Endrin aldehyde	46		51		30-150	10		30	A
Endrin ketone	64		66		30-150	3		30	A
Dieldrin	85		89		30-150	5		30	A
4,4'-DDE	82		86		30-150	5		30	A
4,4'-DDD	81		85		30-150	5		30	A
4,4'-DDT	79		82		30-150	4		30	A
Endosulfan I	76		80		30-150	5		30	A
Endosulfan II	75		78		30-150	4		30	A
Endosulfan sulfate	50		51		30-150	2		30	A
Methoxychlor	62		69		30-150	11		30	A
cis-Chlordane	67		70		30-150	4		30	A
trans-Chlordane	83		87		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04,07 Batch: WG1506308-2 WG1506308-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		83		30-150	A
Decachlorobiphenyl	83		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		79		30-150	B
Decachlorobiphenyl	91		95		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04,07 QC Batch ID: WG1503544-6 WG1503544-7 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17													
2,4,5-TP (Silvex)	ND	186	128J	69		121J	66		30-150	6		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	71		67		30-150	A
DCAA	77		75		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04,07 QC Batch ID: WG1506308-4 WG1506308-5 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17													
Delta-BHC	ND	37	26.2	71		22.6	63		30-150	15		50	A
Lindane	ND	37	28.0	76		25.0	70		30-150	11		50	A
Alpha-BHC	ND	37	29.2	79		26.4	74		30-150	10		50	A
Beta-BHC	ND	37	20.4	55		20.0	56		30-150	2		50	A
Heptachlor	ND	37	28.0	76		24.4	68		30-150	14		50	A
Aldrin	ND	37	27.2	74		24.5	69		30-150	10		50	A
Heptachlor epoxide	ND	37	26.1	71		22.5	63		30-150	15		50	A
Endrin	ND	37	31.6	86		26.6	75		30-150	17		50	A
Endrin aldehyde	ND	37	18.8	51		16.6	47		30-150	12		50	A
Endrin ketone	4.42IP	37	25.8	58		21.3	47		30-150	19		50	A
Dieldrin	ND	37	29.0	78		24.6	69		30-150	16		50	A
4,4'-DDE	1.62JP	37	27.2	74		24.4	68		30-150	11		50	A
4,4'-DDD	NDI	37	25.4	69		24.1	68		30-150	5		50	B
4,4'-DDT	2.18J	37	36.1	98		30.1	84		30-150	18		50	A
Endosulfan I	ND	37	25.7	70		23.3	65		30-150	10		50	A
Endosulfan II	1.72	37	24.7	62		22.0	57		30-150	12		50	A
Endosulfan sulfate	ND	37	15.1	41		13.4	38		30-150	12		50	A
Methoxychlor	ND	37	26.1	71		21.5	60		30-150	19		50	A
cis-Chlordane	ND	37	21.5	58		19.8	56		30-150	8		50	A
trans-Chlordane	ND	37	27.1	73		24.9	70		30-150	8		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5 ***Lab Number:*** L2126802

Project Number: 16.6669 ***Report Date:*** 06/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04,07 QC Batch ID: WG1506308-4 WG1506308-5 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		71		30-150	A
Decachlorobiphenyl	78		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		65		30-150	B
Decachlorobiphenyl	108		91		30-150	B

METALS

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-01 Date Collected: 05/20/21 13:50

Client ID: SW-019-3-B17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8690		mg/kg	9.01	2.43	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Antimony, Total	0.883	J	mg/kg	4.51	0.342	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Arsenic, Total	5.63		mg/kg	0.901	0.187	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Barium, Total	188		mg/kg	0.901	0.157	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Beryllium, Total	0.433	J	mg/kg	0.451	0.030	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Cadmium, Total	1.23		mg/kg	0.901	0.088	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Calcium, Total	2660		mg/kg	9.01	3.15	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Chromium, Total	18.8		mg/kg	0.901	0.087	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Cobalt, Total	5.65		mg/kg	1.80	0.150	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Copper, Total	20.1		mg/kg	0.901	0.232	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Iron, Total	13700		mg/kg	4.51	0.814	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Lead, Total	703		mg/kg	4.51	0.242	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Magnesium, Total	2160		mg/kg	9.01	1.39	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Manganese, Total	364		mg/kg	0.901	0.143	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Mercury, Total	0.498		mg/kg	0.073	0.048	1	05/29/21 08:55	06/01/21 19:55	EPA 7471B	1,7471B	OU
Nickel, Total	11.1		mg/kg	2.25	0.218	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Potassium, Total	425		mg/kg	225	13.0	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Selenium, Total	0.451	J	mg/kg	1.80	0.232	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.901	0.255	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Sodium, Total	1920		mg/kg	180	2.84	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.80	0.284	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Vanadium, Total	22.4		mg/kg	0.901	0.183	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
Zinc, Total	278		mg/kg	4.51	0.264	2	05/29/21 07:00	06/03/21 19:02	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19		mg/kg	0.93	0.93	1		06/03/21 19:02	NA	107,-	

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-02 Date Collected: 05/20/21 13:53

Client ID: SW-020-3-C17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8090		mg/kg	8.55	2.31	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Antimony, Total	0.453	J	mg/kg	4.28	0.325	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Arsenic, Total	5.20		mg/kg	0.855	0.178	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Barium, Total	169		mg/kg	0.855	0.149	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Beryllium, Total	0.376	J	mg/kg	0.428	0.028	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Cadmium, Total	0.932		mg/kg	0.855	0.084	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Calcium, Total	3980		mg/kg	8.55	2.99	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Chromium, Total	18.0		mg/kg	0.855	0.082	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Cobalt, Total	5.07		mg/kg	1.71	0.142	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Copper, Total	24.3		mg/kg	0.855	0.221	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Iron, Total	12400		mg/kg	4.28	0.772	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Lead, Total	495		mg/kg	4.28	0.229	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Magnesium, Total	2050		mg/kg	8.55	1.32	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Manganese, Total	295		mg/kg	0.855	0.136	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Mercury, Total	0.447		mg/kg	0.071	0.046	1	05/29/21 08:55	06/01/21 19:59	EPA 7471B	1,7471B	OU
Nickel, Total	11.0		mg/kg	2.14	0.207	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Potassium, Total	388		mg/kg	214	12.3	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Selenium, Total	0.812	J	mg/kg	1.71	0.221	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.855	0.242	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Sodium, Total	1460		mg/kg	171	2.69	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.71	0.269	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Vanadium, Total	23.3		mg/kg	0.855	0.174	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
Zinc, Total	264		mg/kg	4.28	0.250	2	05/29/21 07:00	06/03/21 19:06	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	18	J	mg/kg	0.90	0.90	1		06/03/21 19:06	NA	107,-	

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-03 Date Collected: 05/20/21 13:55

Client ID: SW-021-3-D17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	7920		mg/kg	8.50	2.29	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Antimony, Total	0.433	J	mg/kg	4.25	0.323	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Arsenic, Total	4.95		mg/kg	0.850	0.177	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Barium, Total	171		mg/kg	0.850	0.148	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Beryllium, Total	0.374	J	mg/kg	0.425	0.028	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Cadmium, Total	0.637	J	mg/kg	0.850	0.083	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Calcium, Total	4360		mg/kg	8.50	2.97	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Chromium, Total	17.8		mg/kg	0.850	0.082	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Cobalt, Total	4.94		mg/kg	1.70	0.141	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Copper, Total	26.5		mg/kg	0.850	0.219	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Iron, Total	12000		mg/kg	4.25	0.767	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Lead, Total	351		mg/kg	4.25	0.228	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Magnesium, Total	1800		mg/kg	8.50	1.31	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Manganese, Total	227		mg/kg	0.850	0.135	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Mercury, Total	0.497		mg/kg	0.070	0.045	1	05/29/21 08:55	06/01/21 20:02	EPA 7471B	1,7471B	OU
Nickel, Total	11.7		mg/kg	2.12	0.206	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Potassium, Total	407		mg/kg	212	12.2	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Selenium, Total	0.816	J	mg/kg	1.70	0.219	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.850	0.240	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Sodium, Total	1050		mg/kg	170	2.68	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.70	0.268	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Vanadium, Total	23.5		mg/kg	0.850	0.172	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
Zinc, Total	236		mg/kg	4.25	0.249	2	05/29/21 07:00	06/03/21 19:11	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	18	J	mg/kg	0.89	0.89	1		06/03/21 19:11	NA	107,-	

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-04 Date Collected: 05/20/21 13:57

Client ID: SW-022-3.5-E17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	7590		mg/kg	8.63	2.33	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.32	0.328	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Arsenic, Total	5.52		mg/kg	0.863	0.180	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Barium, Total	499		mg/kg	0.863	0.150	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Beryllium, Total	0.319	J	mg/kg	0.432	0.029	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Cadmium, Total	1.01		mg/kg	0.863	0.085	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Calcium, Total	17400		mg/kg	8.63	3.02	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Chromium, Total	20.9		mg/kg	0.863	0.083	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Cobalt, Total	5.82		mg/kg	1.73	0.143	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Copper, Total	32.7		mg/kg	0.863	0.223	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Iron, Total	13800		mg/kg	4.32	0.780	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Lead, Total	741		mg/kg	4.32	0.231	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Magnesium, Total	2510		mg/kg	8.63	1.33	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Manganese, Total	274		mg/kg	0.863	0.137	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Mercury, Total	0.694		mg/kg	0.071	0.046	1	05/29/21 08:55	06/01/21 19:26	EPA 7471B	1,7471B	OU
Nickel, Total	13.4		mg/kg	2.16	0.209	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Potassium, Total	498		mg/kg	216	12.4	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Selenium, Total	1.04	J	mg/kg	1.73	0.223	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.863	0.244	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Sodium, Total	731		mg/kg	173	2.72	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.73	0.272	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Vanadium, Total	22.7		mg/kg	0.863	0.175	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
Zinc, Total	410		mg/kg	4.32	0.253	2	05/29/21 07:00	06/02/21 17:53	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	21		mg/kg	0.89	0.89	1		06/02/21 17:53	NA	107,-	

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-05 Date Collected: 05/20/21 14:00

Client ID: SW-023-3.5-F17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8770		mg/kg	8.76	2.36	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Antimony, Total	21.6		mg/kg	4.38	0.333	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Arsenic, Total	4.22		mg/kg	0.876	0.182	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Barium, Total	118		mg/kg	0.876	0.152	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Beryllium, Total	0.341	J	mg/kg	0.438	0.029	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Cadmium, Total	0.499	J	mg/kg	0.876	0.086	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Calcium, Total	2880		mg/kg	8.76	3.06	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Chromium, Total	23.0		mg/kg	0.876	0.084	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Cobalt, Total	7.12		mg/kg	1.75	0.145	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Copper, Total	25.2		mg/kg	0.876	0.226	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Iron, Total	14200		mg/kg	4.38	0.790	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Lead, Total	2660		mg/kg	4.38	0.235	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Magnesium, Total	2310		mg/kg	8.76	1.35	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Manganese, Total	299		mg/kg	0.876	0.139	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Mercury, Total	0.384		mg/kg	0.072	0.047	1	05/29/21 08:55	06/01/21 20:05	EPA 7471B	1,7471B	OU
Nickel, Total	14.4		mg/kg	2.19	0.212	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Potassium, Total	523		mg/kg	219	12.6	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Selenium, Total	0.403	J	mg/kg	1.75	0.226	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.876	0.248	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Sodium, Total	491		mg/kg	175	2.76	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.75	0.276	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Vanadium, Total	25.3		mg/kg	0.876	0.178	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
Zinc, Total	186		mg/kg	4.38	0.256	2	05/29/21 07:00	06/03/21 19:15	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	22		mg/kg	0.91	0.91	1		06/03/21 19:15	NA	107,-	

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-06 Date Collected: 05/20/21 14:02

Client ID: SW-024-4-G17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12600		mg/kg	9.10	2.46	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.55	0.346	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Arsenic, Total	3.31		mg/kg	0.910	0.189	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Barium, Total	91.7		mg/kg	0.910	0.158	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Beryllium, Total	0.419	J	mg/kg	0.455	0.030	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Cadmium, Total	0.582	J	mg/kg	0.910	0.089	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Calcium, Total	1700		mg/kg	9.10	3.18	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Chromium, Total	28.1		mg/kg	0.910	0.087	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Cobalt, Total	9.78		mg/kg	1.82	0.151	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Copper, Total	20.9		mg/kg	0.910	0.235	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Iron, Total	24000		mg/kg	4.55	0.822	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Lead, Total	91.7		mg/kg	4.55	0.244	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Magnesium, Total	4450		mg/kg	9.10	1.40	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Manganese, Total	795		mg/kg	0.910	0.145	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Mercury, Total	0.334		mg/kg	0.073	0.047	1	05/29/21 08:55	06/01/21 20:09	EPA 7471B	1,7471B	OU
Nickel, Total	20.6		mg/kg	2.28	0.220	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Potassium, Total	688		mg/kg	228	13.1	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Selenium, Total	0.910	J	mg/kg	1.82	0.235	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.910	0.258	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Sodium, Total	755		mg/kg	182	2.87	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.82	0.287	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Vanadium, Total	37.9		mg/kg	0.910	0.185	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
Zinc, Total	79.6		mg/kg	4.55	0.267	2	05/29/21 07:00	06/03/21 19:20	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	26		mg/kg	0.93	0.93	1		06/03/21 19:20	NA	107,-	

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-07 Date Collected: 05/20/21 00:00

Client ID: FD-006-20210520 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8540		mg/kg	8.87	2.39	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Antimony, Total	0.638	J	mg/kg	4.43	0.337	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Arsenic, Total	5.49		mg/kg	0.887	0.184	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Barium, Total	279		mg/kg	0.887	0.154	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Beryllium, Total	0.319	J	mg/kg	0.443	0.029	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Cadmium, Total	0.984		mg/kg	0.887	0.087	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Calcium, Total	10100		mg/kg	8.87	3.10	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Chromium, Total	23.0		mg/kg	0.887	0.085	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Cobalt, Total	6.54		mg/kg	1.77	0.147	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Copper, Total	31.0		mg/kg	0.887	0.229	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Iron, Total	17000		mg/kg	4.43	0.801	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Lead, Total	623		mg/kg	4.43	0.238	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Magnesium, Total	3060		mg/kg	8.87	1.36	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Manganese, Total	269		mg/kg	0.887	0.141	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Mercury, Total	0.658		mg/kg	0.072	0.047	1	05/29/21 08:55	06/01/21 20:12	EPA 7471B	1,7471B	OU
Nickel, Total	14.2		mg/kg	2.22	0.214	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Potassium, Total	565		mg/kg	222	12.8	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Selenium, Total	0.860	J	mg/kg	1.77	0.229	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.887	0.251	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Sodium, Total	757		mg/kg	177	2.79	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.77	0.279	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Vanadium, Total	26.0		mg/kg	0.887	0.180	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
Zinc, Total	424		mg/kg	4.43	0.260	2	05/29/21 07:00	06/03/21 19:24	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	22		mg/kg	0.90	0.90	1		06/03/21 19:24	NA	107,-	

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

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): 01-07 Batch: WG1505095-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Calcium, Total	ND		mg/kg	4.00	1.40	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Iron, Total	1.03	J	mg/kg	2.00	0.361	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Manganese, Total	0.080	J	mg/kg	0.400	0.064	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Potassium, Total	ND		mg/kg	100	5.76	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Sodium, Total	1.36	J	mg/kg	80.0	1.26	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/29/21 07:00	06/02/21 17:44	1,6010D	BV

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): 01-07 Batch: WG1505096-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	05/29/21 08:55	06/01/21 19:19	1,7471B	OU

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1505095-2 SRM Lot Number: D109-540								
Aluminum, Total	77		-		50-150	-		
Antimony, Total	141		-		19-250	-		
Arsenic, Total	117		-		70-130	-		
Barium, Total	105		-		75-125	-		
Beryllium, Total	112		-		75-125	-		
Cadmium, Total	117		-		75-125	-		
Calcium, Total	108		-		73-128	-		
Chromium, Total	112		-		70-130	-		
Cobalt, Total	114		-		75-125	-		
Copper, Total	116		-		75-125	-		
Iron, Total	103		-		35-165	-		
Lead, Total	112		-		72-128	-		
Magnesium, Total	98		-		62-138	-		
Manganese, Total	117		-		74-126	-		
Nickel, Total	115		-		70-130	-		
Potassium, Total	96		-		59-141	-		
Selenium, Total	118		-		68-132	-		
Silver, Total	115		-		68-131	-		
Sodium, Total	106		-		35-165	-		
Thallium, Total	118		-		68-131	-		
Vanadium, Total	109		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1505095-2 SRM Lot Number: D109-540					
Zinc, Total	113	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1505096-2 SRM Lot Number: D109-540					
Mercury, Total	104	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5
Project Number: 16.6669
Lab Number: L2126802
Report Date: 06/08/21

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): 01-07 3.5-E17	QC Batch ID: WG1505095-3					WG1505095-4			QC Sample: L2126802-04		Client ID: SW-022-	
Aluminum, Total	7590	176	10800	**1830**	Q	9870	**1350**	Q	75-125	9		20
Antimony, Total	ND	43.9	34.8	79		31.2	**74**	Q	75-125	11		20
Arsenic, Total	5.52	10.5	18.4	122		16.6	109		75-125	10		20
Barium, Total	499	176	623	**70**	Q	532	**20**	Q	75-125	16		20
Beryllium, Total	0.319J	4.39	5.52	**126**	Q	5.06	120		75-125	9		20
Cadmium, Total	1.01	4.48	5.80	107		5.31	100		75-125	9		20
Calcium, Total	17400	878	13800	**0**	Q	14500	**0**	Q	75-125	5		20
Chromium, Total	20.9	17.6	46.4	**145**	Q	43.4	**133**	Q	75-125	7		20
Cobalt, Total	5.82	43.9	52.7	107		48.1	100		75-125	9		20
Copper, Total	32.7	22	68.6	**163**	Q	67.0	**162**	Q	75-125	2		20
Iron, Total	13800	87.8	17400	**4100**	Q	16000	**2610**	Q	75-125	8		20
Lead, Total	741	44.8	761	**45**	Q	710	**0**	Q	75-125	7		20
Magnesium, Total	2510	878	4130	**184**	Q	3880	**162**	Q	75-125	6		20
Manganese, Total	274	43.9	419	**330**	Q	335	**144**	Q	75-125	**22**	Q	20
Nickel, Total	13.4	43.9	60.8	108		55.6	100		75-125	9		20
Potassium, Total	498	878	1630	**129**	Q	1490	118		75-125	9		20
Selenium, Total	1.04J	10.5	12.0	114		10.8	107		75-125	11		20
Silver, Total	ND	26.4	32.0	121		30.4	120		75-125	5		20
Sodium, Total	731	878	1820	124		1690	114		75-125	7		20
Thallium, Total	ND	10.5	9.64	91		9.22	91		75-125	4		20
Vanadium, Total	22.7	43.9	77.3	124		71.4	115		75-125	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5
Project Number: 16.6669

Lab Number: L2126802
Report Date: 06/08/21

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): 01-07 3.5-E17	QC Batch ID: WG1505095-3					WG1505095-4		QC Sample: L2126802-04		Client ID: SW-022-
Zinc, Total	410	43.9	492	**187**	Q	442	76	75-125	11	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 3.5-E17	QC Batch ID: WG1505096-3					WG1505096-4		QC Sample: L2126802-04		Client ID: SW-022-
Mercury, Total	0.694	0.142	0.818	87		0.851	112	80-120	4	20

Project Name: COTTAGE PLACE GARDENS PHASE 5
Project Number: 16.6669

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2126802
Report Date: 06/08/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1505095-6 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17						
Aluminum, Total	7590	8160	mg/kg	8		20
Barium, Total	499	531	mg/kg	6		20
Calcium, Total	17400	19000	mg/kg	9		20
Copper, Total	32.7	35.7	mg/kg	9		20
Iron, Total	13800	15200	mg/kg	10		20
Lead, Total	741	827	mg/kg	12		20
Magnesium, Total	2510	2880	mg/kg	15		20
Manganese, Total	274	304	mg/kg	11		20
Vanadium, Total	22.7	24.5	mg/kg	8		20
Zinc, Total	410	458	mg/kg	12		20

INORGANICS
&
MISCELLANEOUS

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-01 Date Collected: 05/20/21 13:50

Client ID: SW-019-3-B17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	86.0		%	0.100	NA	1	-	05/22/21 11:57	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.930	0.186	1	05/27/21 17:00	05/28/21 20:19	1,7196A	NA

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-02 Date Collected: 05/20/21 13:53

Client ID: SW-020-3-C17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	88.6		%	0.100	NA	1	-	05/22/21 11:57	121,2540G	RI
Chromium, Hexavalent	0.418	J	mg/kg	0.903	0.180	1	05/27/21 17:00	05/28/21 20:19	1,7196A	NA

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-03 Date Collected: 05/20/21 13:55

Client ID: SW-021-3-D17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	89.9		%	0.100	NA	1	-	05/22/21 11:57	121,2540G	RI
Chromium, Hexavalent	0.178	J	mg/kg	0.890	0.178	1	05/27/21 17:00	05/28/21 20:19	1,7196A	NA

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-04 Date Collected: 05/20/21 13:57

Client ID: SW-022-3.5-E17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	89.5		%	0.100	NA	1	-	05/22/21 09:14	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.894	0.179	1	06/01/21 20:55	06/02/21 15:56	1,7196A	PB

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-05 Date Collected: 05/20/21 14:00

Client ID: SW-023-3.5-F17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	88.2		%	0.100	NA	1	-	05/22/21 11:57	121,2540G	RI
Chromium, Hexavalent	1.40		mg/kg	0.907	0.181	1	05/27/21 17:00	05/28/21 20:19	1,7196A	NA

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-06 Date Collected: 05/20/21 14:02

Client ID: SW-024-4-G17 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	86.3		%	0.100	NA	1	-	05/22/21 11:57	121,2540G	RI
Chromium, Hexavalent	1.51		mg/kg	0.927	0.185	1	05/27/21 17:00	05/28/21 20:19	1,7196A	NA

Project Name: COTTAGE PLACE GARDENS PHASE 5 **Lab Number:** L2126802

Project Number: 16.6669 **Report Date:** 06/08/21

SAMPLE RESULTS

Lab ID: L2126802-07 Date Collected: 05/20/21 00:00

Client ID: FD-006-20210520 Date Received: 05/20/21

Sample Location: 8 COTTAGE PL. & 178 WARBURTON AVE., YONKERS, NY 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	88.6		%	0.100	NA	1	-	05/22/21 09:14	121,2540G	RI
Chromium, Hexavalent	1.08		mg/kg	0.903	0.180	1	05/27/21 17:00	05/28/21 20:19	1,7196A	NA

Project Name: COTTAGE PLACE GARDENS PHASE !
Project Number: 16.6669
Lab Number: L2126802
Report Date: 06/08/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03,05-07 Batch: WG1504587-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	05/27/21 17:00	05/28/21 20:19	1,7196A	NA
General Chemistry - Westborough Lab for sample(s): 04 Batch: WG1506192-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	06/01/21 20:55	06/02/21 15:53	1,7196A	PB

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG1504587-2								
Chromium, Hexavalent	101		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 04 Batch: WG1506192-2								
Chromium, Hexavalent	94		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5
Project Number: 16.6669
Lab Number: L2126802
Report Date: 06/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG1504587-4 QC Sample: L2126802-03 Client ID: SW-021-3-D17												
Chromium, Hexavalent	0.178J	1010	1060	105		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1506192-4 WG1506192-5 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17												
Chromium, Hexavalent	ND	1180	1250	106		671	91		75-125	**60**	Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: COTTAGE PLACE GARDENS PHASE 5

Project Number: 16.6669

Lab Number: L2126802

Report Date: 06/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04,07 QC Batch ID: WG1502357-1 QC Sample: L2126785-01 Client ID: DUP Sample						
Solids, Total	80.0	79.0	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-06 QC Batch ID: WG1502408-1 QC Sample: L2126641-02 Client ID: DUP Sample						
Solids, Total	93.9	94.4	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG1504587-6 QC Sample: L2126802-03 Client ID: SW-021-3-D17						
Chromium, Hexavalent	0.178J	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1506192-7 QC Sample: L2126802-04 Client ID: SW-022-3.5-E17						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: COTTAGE PLACE GARDENS PHASE 5
Project Number: 16.6669

Lab Number: L2126802
Report Date: 06/08/21

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(*)
L2126802-01A	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-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)
L2126802-01B	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2126802-02A	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2126802-02B	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2126802-03A	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2126802-03B	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2126802-04A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2126802-04A1	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2126802-04A2	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2126802-04B	Vial water preserved	A	NA		3.0	Y	Absent	21-MAY-21 16:10	NYTCL-8260HLW(14)
L2126802-04B1	Vial water preserved	A	NA		3.0	Y	Absent	21-MAY-21 16:10	NYTCL-8260HLW(14)
L2126802-04B2	Vial water preserved	A	NA		3.0	Y	Absent	21-MAY-21 16:10	NYTCL-8260HLW(14)
L2126802-04C	Vial water preserved	A	NA		3.0	Y	Absent	21-MAY-21 16:10	NYTCL-8260HLW(14)
L2126802-04C1	Vial water preserved	A	NA		3.0	Y	Absent	21-MAY-21 16:10	NYTCL-8260HLW(14)
L2126802-04C2	Vial water preserved	A	NA		3.0	Y	Absent	21-MAY-21 16:10	NYTCL-8260HLW(14)
L2126802-04D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: COTTAGE PLACE GARDENS PHASE 5
Project Number: 16.6669

Lab Number: L2126802
Report Date: 06/08/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2126802-04D1	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2126802-04D2	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2126802-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2126802-04E1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2126802-04E2	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2126802-04F	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2126802-04F1	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2126802-04F2	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2126802-04G	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2126802-04G1	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2126802-04G2	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2126802-05A	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2126802-05B	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2126802-06A	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: COTTAGE PLACE GARDENS PHASE 5
Project Number: 16.6669

Lab Number: L2126802
Report Date: 06/08/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2126802-06B	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2126802-06C	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2126802-07A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2126802-07B	Vial water preserved	A	NA		3.0	Y	Absent	21-MAY-21 16:10	NYTCL-8260HLW(14)
L2126802-07C	Vial water preserved	A	NA		3.0	Y	Absent	21-MAY-21 16:10	NYTCL-8260HLW(14)
L2126802-07D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2126802-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2126802-07F	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2126802-07G	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name:	COTTAGE PLACE GARDENS PHASE 5	**Lab Number:**	L2126802
Project Number:	16.6669	**Report Date:**	06/08/21

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	COTTAGE PLACE GARDENS PHASE 5	**Lab Number:**	L2126802
Project Number:	16.6669	**Report Date:**	06/08/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	COTTAGE PLACE GARDENS PHASE 5	**Lab Number:**	L2126802
Project Number:	16.6669	**Report Date:**	06/08/21

Data Qualifiers

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.

Project Name:	COTTAGE PLACE GARDENS PHASE 5	**Lab Number:**	L2126802
Project Number:	16.6669	**Report Date:**	06/08/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

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, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
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, SM4500NO2-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, SM9222D.**

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, EPA 537.1.

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.

ALPHA ANALYTICAL

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

NEW YORK CHAIN OF CUSTODY

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: 5/21/21

ALPHA Job #: L2127[illegible]

Client Information
Client: C.T. Male Associates
Address: 50 Century Hill Dr. Latham, NY 12110
Phone: 518-786-7400
Fax:
Email: K.moline@ctmale.com

Project Information
Project Name: CP6 Phase 5
Project Location: Yonkers, NY
Project #: 16.66669
(Use Project name as Project #)
Project Manager: Kirk Moline
ALPHAQuote #: 11079

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

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 send results to r.andujar-mcneil@ctmale.com and to S.bieber@ctmale.com

Please specify Metals or TAL.

ANALYSIS

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	TCL VOCs +TICs	TCL SVOCs +TICs	TCL PCBs	TCL Pesticides	TCL Herbicides	TAL metals (silver only) incl. Hg	Hex. and Tri. Chromium		Sample Specific Comments	Total Bottle
28502-01	SW-019-3-B17	5/20/21	13:50	Soil	ML		✓				✓	✓			2
-02	SW-020-3-B17		13:53		ML		✓				✓	✓			2
-03	SW-021-3-D17		13:55		ML		✓				✓	✓			2
-04	SW-022-3.5-E17		13:57		ML	✓	✓	✓	✓	✓	✓	✓			21
-05	SW-023-3.5-F17		14:00		ML		✓				✓	✓			2
-06	SW-024-4-G17		14:02		ML		✓				✓	✓			3
-07	FD-006-20210520	↓	—	↓	ML	✓	✓	✓	✓	✓	✓	✓			7
Container Type						V/P	A	A	A	A	A	A			
Preservative						F/A	A	A	A	A	A	A			

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]	5/20/21 16:03	[signature]	5/20/21 16:03
[signature]	5/21/21 17:25	[signature]	5/20/21 2010
[signature]	5/21/21 00:53	[signature]	5/21/21 00:50

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)

Attachment 11: Site Drawing of Environmental Data

SAMPLE ID:	SB-2022-10-220210
LAB ID:	L2207030-01
COLLECTION DATE:	2/9/2022
SAMPLE DEPTH:	0-4'
SAMPLE MATRIX:	SOIL

	NY-RR SCOs	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Benzo(a)anthracene	1	1.1
Benzo(a)pyrene	1	1.1
Benzo(b)fluoranthene	1	1.4
Indeno(1,2,3-cd)pyrene	0.5	0.89
Barium, Total	400	503
Lead, Total	400	2680
Mercury, Total	0.81	1.36

SAMPLE ID:	SW-3A-030
LAB ID:	L1842316-04
COLLECTION DATE:	10/17/2018
SAMPLE DEPTH:	2.5
SAMPLE MATRIX:	SOIL

	NY-RR SCOs	Conc
ANALYTE	(mg/kg)	(mg/kg)
Benzo(a)anthracene	1	1.1
Benzo(b)fluoranthene	1	1.2
Indeno(1,2,3-cd)pyrene	0.5	0.65

SAMPLE ID:	SW-019-3-B17
LAB ID:	L2126802-01
COLLECTION DATE:	5/20/2021
SAMPLE DEPTH (Feet):	3
SAMPLE MATRIX:	SOIL

	NY-RR SCOs	Conc
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	400	703

SAMPLE ID:	SW-020-3-C17
LAB ID:	L2126802-02
COLLECTION DATE:	5/20/2021
SAMPLE DEPTH (Feet):	3
SAMPLE MATRIX:	SOIL

	NY-RR SCOs	Conc
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	400	495

SAMPLE ID:	SW-021-3-D17
LAB ID:	L2126802-03
COLLECTION DATE:	5/20/2021
SAMPLE DEPTH (Feet):	3
SAMPLE MATRIX:	SOIL

	NY-RR SCOs	Conc
ANALYTE	(mg/kg)	(mg/kg)
Benzo(a)anthracene	1	1.2
Benzo(a)pyrene	1	1.2
Benzo(b)fluoranthene	1	1.5
Indeno(1,2,3-cd)pyrene	0.5	0.92

SAMPLE ID:	SW-022-3.5-E17
LAB ID:	L2126802-04
COLLECTION DATE:	5/20/2021
SAMPLE DEPTH (Feet):	3.5
SAMPLE MATRIX:	SOIL

	NY-RR SCOs	Conc
ANALYTE	(mg/kg)	(mg/kg)
Benzo(a)anthracene	1	4.2
Benzo(a)pyrene	1	3.7
Benzo(b)fluoranthene	1	4.6
Dibenzo(a,h)anthracene	0.33	0.91
Indeno(1,2,3-cd)pyrene	0.5	2.8
Barium, Total	400	499
Lead, Total	400	741

SAMPLE ID:	SW-023-3.5-F17
LAB ID:	L2126802-05
COLLECTION DATE:	5/20/2021
SAMPLE DEPTH (Feet):	3.5
SAMPLE MATRIX:	SOIL

	NY-RR SCOs	Conc
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	400	2660

SB2022-10
SW-3A-030
Phase 6
COTTAGE GDNS
SW-019
SW-020
SW-021
SW-022
SW-023
BISHOP WILLIAM J WALLS PL
BROADWAY
NYS ITS GIS Program Office

0 30 60 120 FT

1 inch = 60 feet

Legend

- Phase 6
- Yonkers Tax Parcels (2020)
- SB2022-10 — SOIL SAMPLING LOCATION (2022 PHASE II ESA)
- SW-019 — SIDEWALL SOIL SAMPLING LOCATION (POST REMEDIAL ACTION AT THE CPG PHASE 5 PARCEL BCP SITE C360161)
- SW-3A-030 — SIDEWALL SOIL SAMPLING LOCATION (POST REMEDIAL ACTION AT THE CPG PHASE 3A PARCEL BCP SITE C360150)

N W E S

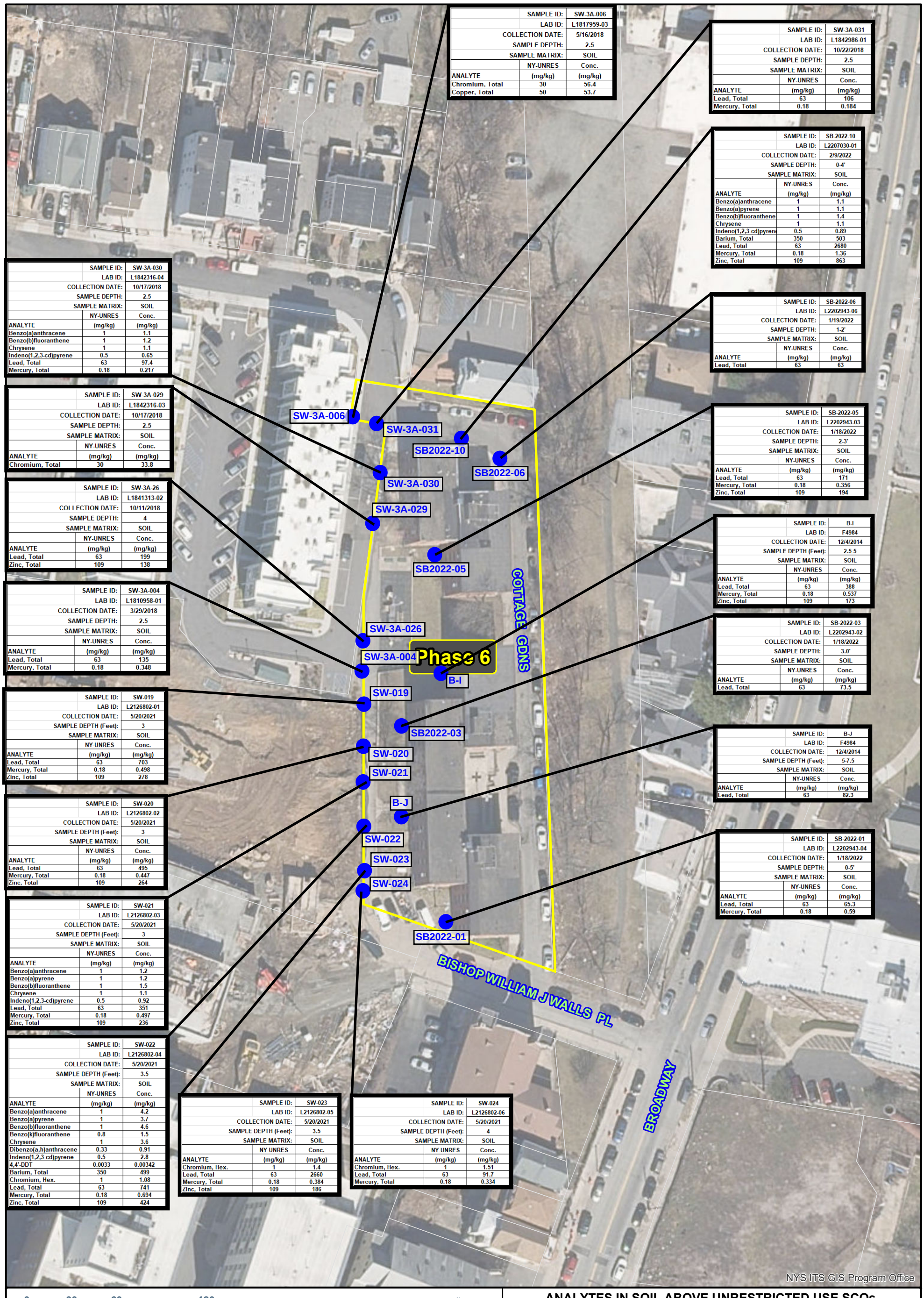
Note: The locations and features depicted on this map are approximate and do not represent an actual field survey.

Project Number: 22.2208
Data Source: NYSGIS Clearinghouse, BING, LandMax
Projection: State Plane NAD83 NYE (feet)
Date: April 12, 2022
File: 188WarburtonSitePhase6_18x24.mxd
GIS: D Landreville

ANALYTES IN SOIL ABOVE RESTRICTED RESIDENTIAL USE SCOs
RIDGEWAY PHASE VI SITE

City of Yonkers — **Westchester County, New York**

Attachment 11: Site Drawing of Environmental Data



	SAMPLE ID:	SW-3A-006
	LAB ID:	L1817959-03
	COLLECTION DATE:	5/16/2018
	SAMPLE DEPTH:	2.5
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Chromium, Total	30	56.4
Copper, Total	50	53.7

	SAMPLE ID:	SW-3A-031
	LAB ID:	L1842986-01
	COLLECTION DATE:	10/22/2018
	SAMPLE DEPTH:	2.5
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	63	106
Mercury, Total	0.18	0.184

	SAMPLE ID:	SB-2022-10
	LAB ID:	L2207030-01
	COLLECTION DATE:	2/9/2022
	SAMPLE DEPTH:	0-4'
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Benzo(a)anthracene	1	1.1
Benzo(a)pyrene	1	1.1
Benzo(b)fluoranthene	1	1.4
Chrysene	1	1.1
Indeno(1,2,3-cd)pyrene	0.5	0.89
Barium, Total	350	503
Lead, Total	63	2680
Mercury, Total	0.18	1.36
Zinc, Total	109	863

	SAMPLE ID:	SW-3A-030
	LAB ID:	L1842316-04
	COLLECTION DATE:	10/17/2018
	SAMPLE DEPTH:	2.5
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Benzo(a)anthracene	1	1.1
Benzo(b)fluoranthene	1	1.2
Chrysene	1	1.1
Indeno(1,2,3-cd)pyrene	0.5	0.65
Lead, Total	63	97.4
Mercury, Total	0.18	0.217

	SAMPLE ID:	SB-2022-06
	LAB ID:	L2202943-06
	COLLECTION DATE:	1/19/2022
	SAMPLE DEPTH:	1-2'
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	63	63

	SAMPLE ID:	SW-3A-029
	LAB ID:	L1842316-03
	COLLECTION DATE:	10/17/2018
	SAMPLE DEPTH:	2.5
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Chromium, Total	30	33.8

	SAMPLE ID:	SB-2022-05
	LAB ID:	L2202943-04
	COLLECTION DATE:	1/18/2022
	SAMPLE DEPTH:	2-3'
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	63	171
Mercury, Total	0.18	0.356
Zinc, Total	109	194

	SAMPLE ID:	SW-3A-26
	LAB ID:	L1841313-02
	COLLECTION DATE:	10/11/2018
	SAMPLE DEPTH:	4
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	63	199
Zinc, Total	109	138

	SAMPLE ID:	B-I
	LAB ID:	F4984
	COLLECTION DATE:	12/4/2014
	SAMPLE DEPTH (Feet):	2.5-5
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	63	388
Mercury, Total	0.18	0.537
Zinc, Total	109	173

	SAMPLE ID:	SW-3A-004
	LAB ID:	L1810958-01
	COLLECTION DATE:	3/29/2018
	SAMPLE DEPTH:	2.5
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	63	135
Mercury, Total	0.18	0.348

	SAMPLE ID:	SB-2022-03
	LAB ID:	L2202943-02
	COLLECTION DATE:	1/18/2022
	SAMPLE DEPTH:	3.0'
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	63	73.5

	SAMPLE ID:	SW-019
	LAB ID:	L2126802-01
	COLLECTION DATE:	5/20/2021
	SAMPLE DEPTH (Feet):	3
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	63	703
Mercury, Total	0.18	0.498
Zinc, Total	109	278

	SAMPLE ID:	B-J
	LAB ID:	F4984
	COLLECTION DATE:	12/4/2014
	SAMPLE DEPTH (Feet):	5-7.5
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	63	82.3

	SAMPLE ID:	SW-020
	LAB ID:	L2126802-02
	COLLECTION DATE:	5/20/2021
	SAMPLE DEPTH (Feet):	3
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	63	495
Mercury, Total	0.18	0.447
Zinc, Total	109	264

	SAMPLE ID:	SB-2022-01
	LAB ID:	L2202943-04
	COLLECTION DATE:	1/18/2022
	SAMPLE DEPTH:	0-5'
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Lead, Total	63	65.3
Mercury, Total	0.18	0.59

	SAMPLE ID:	SW-021
	LAB ID:	L2126802-03
	COLLECTION DATE:	5/20/2021
	SAMPLE DEPTH (Feet):	3
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Benzo(a)anthracene	1	1.2
Benzo(a)pyrene	1	1.2
Benzo(b)fluoranthene	1	1.5
Chrysene	1	1.1
Indeno(1,2,3-cd)pyrene	0.5	0.92
Lead, Total	63	351
Mercury, Total	0.18	0.497
Zinc, Total	109	236

	SAMPLE ID:	SW-022
	LAB ID:	L2126802-04
	COLLECTION DATE:	5/20/2021
	SAMPLE DEPTH (Feet):	3.5
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Benzo(a)anthracene	1	4.2
Benzo(a)pyrene	1	3.7
Benzo(b)fluoranthene	1	4.6
Benzo(k)fluoranthene	0.8	1.5
Chrysene	1	3.6
Dibenzo(a,h)anthracene	0.33	0.91
Indeno(1,2,3-cd)pyrene	0.5	2.8
4,4'-DDT	0.0033	0.00342
Barium, Total	350	499
Chromium, Hex.	1	1.08
Lead, Total	63	741
Mercury, Total	0.18	0.694
Zinc, Total	109	424

	SAMPLE ID:	SW-023
	LAB ID:	L2126802-05
	COLLECTION DATE:	5/20/2021
	SAMPLE DEPTH (Feet):	3.5
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Chromium, Hex.	1	1.4
Lead, Total	63	2660
Mercury, Total	0.18	0.384
Zinc, Total	109	186

	SAMPLE ID:	SW-024
	LAB ID:	L2126802-06
	COLLECTION DATE:	5/20/2021
	SAMPLE DEPTH (Feet):	4
	SAMPLE MATRIX:	SOIL
	NY-UNRES	Conc.
ANALYTE	(mg/kg)	(mg/kg)
Chromium, Hex.	1	1.51
Lead, Total	63	91.7
Mercury, Total	0.18	0.334

0 30 60 120 FT

1 inch = 60 feet

Legend

- Phase 6
- SB2022-10 — SOIL SAMPLING LOCATION (2022 PHASE II ESA)
- SW-019 — SIDEWALL SOIL SAMPLING LOCATION (POST REMEDIAL ACTION AT THE CPG PHASE 5 PARCEL BCP SITE C360161)
- SW-3A-030 — SIDEWALL SOIL SAMPLING LOCATION (POST REMEDIAL ACTION AT THE CPG PHASE 3A PARCEL BCP SITE C360150)
- B-I — SOIL SAMPLING LOCATION (2005 PHASE II ESA)

N W E S

Note: The locations and features depicted on this map are approximate and do not represent an actual field survey.

Project Number: 22.2208
Data Source: NYSGIS Clearinghouse, BING, LandMax
Projection: State Plane NAD83 NYE (feet)
Date: April 12, 2022
File: 188WarburtonSitePhase6_18x24.mxd
GIS: D Landreville

ANALYTES IN SOIL ABOVE UNRESTRICTED USE SCOs
RIDGEWAY PHASE VI SITE

City of Yonkers — **Westchester County, New York**

Attachment 12: NYSDOS Entity ID

Department of State
Division of Corporations

Entity Information

Return to Results | Return to Search

Entity Details

ENTITY NAME: CPG PHASE VI LIMITED PARTNERSHIP
FOREIGN LEGAL NAME:
ENTITY TYPE: DOMESTIC LIMITED PARTNERSHIP
SECTIONOF LAW: 121-201 LPA - PARTNERSHIP LAW
DATE OF INITIAL DOS FILING: 11/09/2017
EFFECTIVE DATE INITIAL FILING: 11/09/2017
FOREIGN FORMATION DATE:
COUNTY: ALBANY
JURISDICTION: NEW YORK, UNITED STATES

DOS ID: 5232081
FICTITIOUS NAME:
DURATION DATE/LATEST DATE OF DISSOLUTION: 12/31/2127
ENTITY STATUS: ACTIVE
REASON FOR STATUS:
INACTIVE DATE:
STATEMENT STATUS:
NEXT STATEMENT DUE DATE:
NFP CATEGORY:

ENTITY DISPLAY | NAME HISTORY | FILING HISTORY | MERGER HISTORY | ASSUMED NAME HISTORY

Service of Process Name and Address

Name: THE PARTNERSHIP; C/O CORPORATION SERVICE COMPANY

Address: 80 STATE STREET, ALBANY, NY, UNITED STATES, 12207 - 2543

Chief Executive Officer's Name and Address

Name:

Address:

Principal Executive Office Address

Address:

Registered Agent Name and Address

Name:

Address:

Entity Primary Location Name and Address

Name:

Address:

Farmcorpflag

Is The Entity A Farm Corporation: NO

Stock Information

Share Value	Number Of Shares	Value Per Share

Attachment 13: Volunteer Statement

The Requestor, CPG Phase VI Limited Partnership, is a Volunteer based on the following.

- CPG Phase VI Limited Partnership a single-purpose entity created exclusively for the acquisition and redevelopment of the Ridgeway Phase VI Site.
- CPG Phase VI Limited Partnership does not currently, or in the past, held any ownership interest in the Ridgeway Phase VI Site and does not currently, or in the past, have any operator status in the Site.
- CPG Phase VI Limited Partnership does not have any responsibility for the contaminants in Site media and has not disturbed and/or altered the Site in any manner that would expose humans, the environment and natural resources to Site contaminants.

MHACY
Municipal Housing Authority for the City of Yonkers

April 27, 2022

Susan McCann, VP & Authorized Agent
CPG Phase VI Limited Partnership
8 West 38th Street, Suite 1102
New York, NY 10018

RE: Access to 8 Cottage Place, the Ridgeway Phase VI Site

Dear Ms. McCann:

Pursuant to your request and the requirements of the New York State Department of Environmental Conservation ("DEC") in connection with an application being made by CPG Phase VI Limited Partnership as a volunteer in the Brownfield Cleanup Program ("BCP"), please be advised that the Municipal Housing Authority for the City of Yonkers (MHACY) is the owner of the Ridgeway Phase VI Site addressed as 8 Cottage Place (SBL #2.-2094-1).

As you are aware, CPG Phase VI Limited Partnership is a single-purpose entity created exclusively for the acquisition and redevelopment of the Ridgeway Phase VI Site. To that end, MHACY does hereby give you and your representatives' authorization to access the aforementioned property immediately and throughout the BCP process. Additionally, MHACY accepts that an environmental easement may be placed on the Ridgeway Phase VI Site by the New York State Department of Environmental Conservation.

Sincerely,

Wilson Kimball
President & CEO
Municipal Housing Authority for the City of Yonkers

Cc: Lauren Hauck, TCB
Lauryn Phinney, TCB
Kirk Moline, C.T. Male Associates
Steve Bieber, C.T. Male Associates

Attachment 15: Owner and Operator Information

Owner and Operator Information

The following table identifies the current site owner and operator.

Site's Parcel ID	Current Site Owner and Operator
8 Cottage Place City of Yonkers, NY Tax ID: 2.-2094-1	Municipal Housing Authority for the City of Yonkers 1511 Central Park Avenue Yonkers, New York 10710 Telephone: 914.793.8400 Date acquired: 1948

Requestor's Relationship to the Current Site Owners and Operators

The Requestor, CPG Phase VI Limited Partnership, is a development entity created for the sole purpose of redeveloping this site. Mulford Corporation (an affiliate of The Municipal Housing Authority for the City of Yonkers [MHACY]) and The Community Builders will have an ownership interest in the limited partnership's general partner. MHACY will transfer ownership of the property to the partnership at the time of closing on construction financing prior to the start of the project.

Previous Site Owners and Operators

The following table identifies the previous site owner and operator.

Owner/Operator	Date Acquired	Requestor's Relationship to Past Owners and Operators
8 Cottage Place (Tax ID No. 2.-2094-1)		
Municipal Housing Authority for the City of Yonkers (MHACY)* 1511 Central Park Avenue Yonkers, New York 10710	1948	The Requestor will partner with MHACY during redevelopment of the site and the Requestor will acquire ownership of the site upon completion of redevelopment.

*MHACY has owned the Site since 1948 (74 years). Pre-1948 owner(s) of the Site could not be identified in an on-line search of the Site's property records. Due to the length of time (74 years) that MHACY has owned the Site, pre-1948 owners of the Site are likely deceased. Under a long term ground lease between the Site owner (MHACY) and the Requestor (CPG Phase VI Limited Partnership), the Requestor will be an effective owner/operator of the Site.

Attachment 16: Site Contact List

Contact List Information

Chief Executive Officer and Planning Board Chairperson of County and Town	
Westchester County	City of Yonkers
County Chief Executive Officer George Latimer 148 Martine Avenue White Plains, NY 10601	Chief Executive Officer Mayor Mike Spano City Hall 40 South Broadway Yonkers NY 10701
Planning Board Chairperson Richard Hyman 148 Martine Avenue White Plains, NY 10601	Planning Board Chairman Mr. Roman Kozicky 87 Nepperhan Avenue Yonkers, New York 10701-3892
Public Water Supplier	
Water Bureau C/O Department of Public Works City Hall 40 South Broadway, Room 311 Yonkers, New York 10701	
Local News Media	
Yonkers Tribune Attention: News Director 43 Crestview Place New Rochelle, NY 10801 (347) 205-92012	The Journal News Attention: News Director 1133 Westchester Ave, Suite N110 White Plains, NY 10604 (914) 694-9300
Yonkers Rising Attention: News Director Rising Media Group 25 Warburton Avenue. Yonkers, NY 10701 (914) 965-4000	WABC AM Attention: News Director 77 WABC 800 Third Avenue, PO Box 1777 New York, NY 10117 (212) 613-3800
WNYC Attention: News Director 160 Varick Street, 8th Floor New York, NY 10013 (646) 829-4000	WNYM Attention: News Director 111 Broadway, Fl 302 New York, NY 10006-1992 (212) 372-0097
City Hall TV Attention: News Director 40 South Broadway, Room 500 Yonkers, New York, 10701 (914) 377-6000	News 12 Westchester Attention: News Director 6 Executive Plaza Yonkers, NY 10701 (914)378-4800
Nearby Schools and Daycare Facilities	
Charter School of Educational Excellence Cindy Lopez (Superintendent) 260 Warburton Ave Yonkers, NY (914) 476-5070	New Little Branches Daycare/Lanza Learning Center Contact: Executive Director 150 Woodworth Avenue Yonkers, NY 10701 (914) 378-1473

Adjacent Property Owners/Occupants	
Site Tax ID: 2.-2097-21 Property Address: 26 Willow Place (North Adjacent) Occupant: Religious (Church) Owner Name/Address: Narrow Way Gospel Assembly P.O. Box 1305 Yonkers, NY 10702	Site Tax ID: 2.-2097-42 Property Address: 25 Willow Place (North Adjacent) Occupant: Two Family Residential Owner Name/Address: Habitat for Humanity 25 Willow Place Yonkers, NY 10701
Site Tax ID: 2.-2097-40 Property Address: 29 Willow Place (North Adjacent) Occupant: Two Family Residential Owner Name/Address: Saleh Alasri 29 Willow Place Yonkers, NY 10701	Site Tax ID: 2.-2094-3 Property Address: 10 Willow Place (Adjacent West) Occupant: Apartments Owner Name/Address: Municipal Housing Authority City of Yonkers 1511 Central Park Avenue Yonkers, NY 10710
Site Tax ID: 2.-2095-33 Property Address: 178 Warburton Avenue (Adj. West) Occupant: Apartments (Under Construction) Owner Name/Address: Municipal Housing Authority City of Yonkers 1511 Central Park Avenue Yonkers, NY 10710	Site Tax ID: 2.-2094-56 Property Address: 172 Warburton Avenue (Adj. South) Occupant: Apartments (Under Construction) Owner Name/Address: Municipal Housing Authority City of Yonkers 1511 Central Park Avenue Yonkers, NY 10710
Site Tax ID: 2.-2094-18 Property Address: 42 Bishop Wm Wallis Place (Adjacent South) Occupant: Religious (Church) Owner Name/Address: AME Zion Church 42 Bishop Wm Wallis Place Yonkers, NY 10701-2699	Site Tax ID: 1.9-9600-40 Property Address: Old Croton Aqueduct (Adj. East) Occupant: Undeveloped (Old Aqueduct) Owner Name/Address: State of New York Park 15 Walnut Street Dobbs Ferry, NY 10522-2109

Location of the document repository for the project.

Yonkers Public Library
Riverfront Library
One Larkin Center
Yonkers, NY 10701
(914) 337-1500

The acknowledgement letter from the library stating that it agrees to act as a document repository for the property is in **Attachment 17**.

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.

50 Century Hill Drive, Latham, NY 12110
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com

April 22, 2022

Ms. Anne Campbell
Reference Department
Yonkers Public Library (Riverfront Library)
One Larkin Center
Yonkers, New York 10701
Email: acampbell@ypl.org

Re: Repository
Ridgeway Phase VI Site
CTMA Project No.: 22.2208

Dear Ms. Campbell:

Consistent with the requirements of the New York State Department of Environmental Conservation's Brownfields Cleanup Program (NYSDEC's BCP), the Yonkers Public Library (Riverfront Library) has been selected as an appropriate public repository for documents associated with the redevelopment of the Ridgeway Phase VI Site.

Please indicate the library's willingness to fulfill the role of public repository for the project documents by signing below. The BCP requires that the documents be maintained for periods of up to 45 days for viewing by the public.

Sincerely,
C.T. MALE ASSOCIATES

Stephen Bieber, CHMM
Project Scientist

The Yonkers Public Library (Riverfront Library) agrees to serve as public repository as described above.

Anne S Campbell

Signature of Agent for Yonkers Public Library