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BROWNFIELD CLEANUP PROGRAM APPLICATION
16-63 Cody Avenue Redevelopment Site
Queens, New York

BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION FORM

SUBMITTAL INSTRUCTIONS:

1. Compile the application package in the following manner:
   a. one file in non-fillable PDF of the application form plus supplemental information, excluding the previous environmental reports and work plans, if applicable;
   b. one individual file (PDF) of each previous environmental report; and,
   c. one file (PDF) of each work plan being submitted with the application, if applicable.
2. Compress all files (PDFs) into one zipped/compressed folder.
3. Submit the application to the Site Control Section either via email or ground mail, as described below. **Please select only ONE submittal method – do NOT submit both email and ground mail.**
   a. VIA EMAIL:
      - Upload the compressed folder to the NYSDEC File Transfer Service. (http://fts.dec.state.ny.us/fts) or another file-sharing service.
      - Copy the download link into the body of an email with any other pertinent information or cover letter attached to the email.
      - Subject line of the email: "*BCP Application NEW - *Proposed Site Name**"
      - Email your submission to DERSiteControl@dec.ny.gov – do NOT copy Site Control staff.
   b. VIA GROUND MAIL:
      - Save the application file(s) and cover letter to an external storage device (e.g., thumb drive, flash drive). Do NOT include paper copies of the application or attachments.
      - Mail the external storage device to the following address:
        Chief, Site Control Section
        Division of Environmental Remediation
        625 Broadway, 11th Floor
        Albany, NY 12233-7020

PROPOSED SITE NAME: 16-63 Cody Avenue Redevelopment Site	
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: C241279	◉ **Yes** ○ **No**

NEW YORK STATE | Department of Environmental Conservation

BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION FORM

BCP App Rev 15 – May 2023

SECTION I: Property Information

PROPOSED SITE NAME 16-63 Cody Avenue Redevelopment Site

ADDRESS/LOCATION 16-63 Cody Avenue

CITY/TOWN Ridgewood | ZIP CODE 11385

MUNICIPALITY (LIST ALL IF MORE THAN ONE) Queens

COUNTY Queens | SITE SIZE (ACRES) 0.44

LATITUDE			LONGITUDE		
°	‘	“	°	‘	“
40	41	43.55	-73	53	59.75

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. Included in Attachment A

Parcel Address	Section	Block	Lot	Acreage
16-63 Cody Avenue		3556	61	0.44

	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 included with the application? (Application will not be processed without a map)	◉	○
3. Is the property within a designated Environmental Zone (En-zone) pursuant to Tax Law 21(b)(6)? (See *DEC’s website* for more information) If yes, identify census tract: _____ 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.	○	◉
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: _____	○	◉

SECTION I: Property Information (CONTINUED)	Y	N
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?	◉	○

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 Included in Attachment D

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

☐ 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 Included in Attachment B

SECTION III: Land Use Factors Included in Attachment C

1. What is the property's current municipal zoning designation? M1-4D

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?	◉	○
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?	◉	○
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? Please provide a brief explanation. Include 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? Please provide a brief explanation. Include additional documentation if necessary.	◉	○

SECTION IV: Property's Environmental History Included in Attachment D

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:

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.**
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.**

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? ◉ 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:

SECTION V: Requestor Information	Included in Attachment E		
NAME Cody Avenue Property LLC			
ADDRESS 7 Penn Plaza, Suite 1400			
CITY/TOWN New York	STATE NY	ZIP CODE 10001	
PHONE (212) 356-9295	EMAIL ks@apxrei.com		

	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 the requestor is authorized to conduct business in NYS. Is this attached?	◉	○
3. If the requestor is an LLC, a list of the names of the members/owners is required on a separate attachment. Is this attached? Included in Attachment I N/A ○	◉	○
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	Included in Attachment F

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 (CONTINUED)

	Y	N
7. Has the requestor been convicted of a criminal offense (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?

Yes ◉ No ○ N/A ○ Included in Attachment F

SECTION VI: Requestor Eligibility (CONTINUED)

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 ○ N/A Included in Attachment F

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

SECTION VII: Requestor Contact Information

REQUESTOR'S REPRESENTATIVE Kas Sanandaji			
ADDRESS 7 Penn Plaza, Suite 1400			
CITY New York, NY		STATE NY	ZIP CODE 10001
PHONE (212) 356-9295	EMAIL ks@apxrei.com		
REQUESTOR'S CONSULTANT (CONTACT NAME) Christopher McMahon			
COMPANY Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.			
ADDRESS 300 Kimball Drive, 4th Floor			
CITY Parsippany		STATE NJ	ZIP CODE 07054
PHONE (973) 560-4900	EMAIL cmcmahon@langan.com		
REQUESTOR'S ATTORNEY (CONTACT NAME) David S. Yudelson			
COMPANY Sive, Paget & Riesel P.C.			
ADDRESS 560 Lexington Avenue			
CITY New York		STATE NY	ZIP CODE 10022
PHONE (917) 295-6449	EMAIL dyudelson@sprlaw.com		

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? N/A ◉	○	○

SECTION IX: Current Property Owner and Operator Information	Included in Attachment G	
CURRENT OWNER Johnson Ingraham Associates LLC		
CONTACT NAME Philip Paul		
ADDRESS 519 W 26th Street		
CITY New York	STATE NY	ZIP CODE 10001
PHONE (646) 258-7812	EMAIL mindhandcoinc@gmail.com	
OWNERSHIP START DATE 1/3/2008		
CURRENT OPERATOR Mind Hand Company		
CONTACT NAME Philip Paul		
ADDRESS 519 W 26th Street		
CITY New York	STATE NY	ZIP CODE 10001
PHONE (646) 258-7812	EMAIL mindhandcoinc@gmail.com	
OPERATION START DATE 1/3/2008		

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 as an attachment.	○	◉
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 as an attachment.	○	◉

SECTION XI: Site Contact List Included in Attachment H

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.

SECTION XII: Statement of Certification and Signatures Included in Attachment I

(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 Authorized Signatory (title) of Cody Avenue Property LLC (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: 11/06/2023 Signature: 

Print Name: Kasra Sanandaji

PLEASE REFER TO THE APPLICATION COVER PAGE AND BCP APPLICATION INSTRUCTIONS FOR DETAILS OF PAPERLESS DIGITAL SUBMISSION REQUIREMENTS.

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 15

Please respond to the questions below and provide additional information and/or documentation as required. *Please refer to the application instructions.*	**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 with documentation

   ○ Pending – planned renewable energy facility awaiting documentation
   *Selecting this option will result in a "pending" status. The appropriate documentation 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.

   ◉ 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 plans to meet the conformance determinations pursuant to subdivision ten of section nine-hundred-seventy-r of the general municipal law?

   ○ Yes - *Selecting this option will result in a "pending" status, as a BOA conformance determination has not yet been made. Proof of conformance 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.

   ◉ 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.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

BROWNFIELD CLEANUP PROGRAM (BCP)
INSTRUCTIONS FOR COMPLETING AND SUBMITTING A BCP APPLICATION

The New York State Department of Environmental Conservation (DEC) strongly encourages all applicants to schedule a pre-application meeting with DEC staff to review the benefits, requirements, and procedures for completing a project in the BCP. Contact your Regional Office to schedule a meeting. To add a party to an existing BCP Agreement, use the BCP Agreement Amendment Application.

For further information regarding the determination of a complete application, please refer to the guidance following these instructions, as well as the NYSDEC BCP website.

SUBMITTAL INSTRUCTIONS

- Compile the application package in the following manner:
  - one file in non-fillable portable document format (PDF) of the application form plus supplemental information, excluding the previous environmental reports and work plans, if applicable;
  - one individual file (PDF) of each previous environmental report; and,
  - one file (PDF) of each work plan being submitted with the application, if applicable.
- Compress all files (PDFs) into one zipped/compressed folder
- Submit the application to the Site Control Section either via email or ground mail, as described below.

Please select only ONE submittal method - do NOT submit both via email and via ground mail.

VIA EMAIL:

- Upload the compressed folder to the NYSDEC File Transfer Service (https://fts.dec.state.ny.us/fts/) or another file-sharing service.
- Copy the download link into the body of an email with any other pertinent information or cover letter attached to the email.
- Subject line of the email: *"BCP Application NEW - *Proposed Site Name**"*
- Email your submission to DERSiteControl@dec.ny.gov - do NOT copy Site Control staff.

VIA GROUND MAIL:

- Save the application file and cover letter to an external storage device (e.g., thumb drive, flash drive). Do NOT include paper copies of the application or attachments.
- Mail the external storage device to the following address:

Chief, Site Control Section
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7020

SECTION I: Property Information	
PLEASE NOTE	**If any changes to SECTION I are required prior to application approval, a new page 2, initialed by each requestor, must be submitted with the revisions.**
Proposed Site Name	Provide a name for the proposed site. The name could be an owner's name, current or historical operations (i.e., ABC Furniture) or the general location of the property. Consider whether the property is known by DEC by a particular name, and if so, use that name.
Site Address	Provide a street address, city/town, zip code, and each municipality and county in which the site is located.
Site Size	Provide the approximate acreage of the site.
GIS Information	Provide the latitude and longitude for the approximate center of the property. Show the latitude and longitude in degrees, minutes and seconds.
Tax Parcel Information	Provide the tax parcel address/section/block/lot information and map. Tax map information may be obtained from the tax assessor's office for all tax parcels that are included in the property boundaries. Attach a county tax map with identifier numbers, along with any figures needed to show the location and boundaries of the property. Include a USGS 7.5-minute quad map on which the property appears and clearly indicate the proposed site's location.
Tax Map Boundaries	State whether the boundaries of the site correspond to the tax map boundaries. If no, a metes and bounds description of the property must be attached. The site boundary can occupy less than a tax lot or encompass portions of one or more tax lots and may be larger or smaller than the overall redevelopment/ reuse project area. A site survey with metes and bounds will be required to establish the site boundaries before the Certificate of Completion can be issued.
Site Map	Provide a property base map(s) of sufficient detail, clarity and accuracy to show the following: (i) map scale, north arrow orientation, date, and location of the property with respect to adjacent streets and roadways; and (ii) proposed brownfield property boundary lines, with adjacent property owners clearly identified.
En-zone	If any part of the site is located within an En-zone, please provide a map showing the location of the site with the En-zone overlay. For information on En-zones, please see DEC's website. Note that new En-zone boundaries are effective January 1, 2023.
Disadvantaged Communities	If the site is located within a Disadvantaged Community, please provide a map showing the location of the site with the Disadvantaged Community overlay. For additional information on disadvantaged communities, please refer to the Climate Leadership and Community Protection Act website.

SECTION I: Property Information (continued)	
Brownfield Opportunity Area (BOA)	If the site is located within a NYS Department of State designated Brownfield Opportunity Area, please provide a map showing the location of the site with the BOA overlay. For more information on designated BOAs, please refer to the NYS DOS website. Additional information on BOA conformance determinations can be found at the Office of Planning and Development website. A BOA conformance determination cannot be made until a Decision Document has been issued for the site.
Multiple Applications	Generally, only one application can be submitted, and one BCA executed, for a development project. In limited circumstances, the DEC may consider multiple applications/BCAs for a development project where (1) the development project spans more than 25 acres; (2) the approach does not negatively impact the remedial program, including timing, ability to appropriately address areas of concern, and management of off-site concerns; and (3) the approach is not advanced to increase the value of future tax credits (i.e., circumvent the tax credit caps provided under New York State Tax Law Section 21).
Previous BCP Applications	If all or part of the proposed site has been the subject of a previous BCP application (whether accepted, denied or withdrawn), please provide the assigned DEC site number from the previous application as well as any relevant information regarding why the property is not currently in the program.
Registry Listing and P-site Status	If all or part of the proposed site is now or ever was listed on the Registry of Inactive Hazardous Waste Disposal Sites or is currently the subject of investigation as a Potential Site, please provide the assigned DEC site number.

SECTION I: Property Information (continued)	
Property Description Narrative	Provide a property description in the format provided below. Each section should be no more than one paragraph long. Location: Example: "The XYZ Site is located in an {urban, suburban, rural} area." {Add reference points if address is unspecific; e.g., "The site is approximately 3.5 miles east of the intersection of County Route 55 and Industrial Road."} Site Features: Example: "The main site features include several large, abandoned buildings surrounded by former parking areas and roadways. About one quarter of the site area is wooded. Little Creek passes through the northwest corner." Current Zoning and Land Use: (Ensure the current zoning is identified) Example: "The site is currently inactive and is zoned for commercial use. The surrounding parcels are currently used for a combination of commercial, light industrial, and utility rights-of-way. The nearest residential area is 0.3 miles east on Route 55." Past Use of the Site: include source(s) of contamination and remedial measures (site characterizations, investigations, Interim Remedial Measures, etc.) completed outside of the current remedial program (e.g., work under a petroleum spill incident). Example: "Until 1992 the site was used for manufacturing wire and wire products (e.g., conduit, insulators) and warehousing. Prior uses that appear to have led to site contamination include metal plating, machining, disposal in a one-acre landfill north of Building 7, and releases of wastewater into a series of dry wells." When describing the investigations/actions performed outside of the remedial program, include the major chronological remedial events that lead to the site entering a remedial program. The history should include the first involvement by government to address hazardous waste/petroleum disposal. Do not cite reports. Only include remedial activities which were implemented PRIOR to the BCA. Do not describe sampling information. Site Geology and Hydrogeology: As appropriate, provide a very brief summary of the main hydrogeological features of the site including depth to water, groundwater flow direction, etc.

SECTION I: Property Information (continued)	
Environmental Assessment	The goal of this section is to describe the nature and extent of contamination at the site. When describing the nature of contamination, identify just the primary contaminants of concern (i.e., those that will likely drive remedial decisions/ actions). If there are many contaminants present within a group of contaminants (i.e., volatile organic compounds, semi-volatile organic compounds, metals), identify the group(s) and one or two representative contaminants within the group. When addressing the extent of contamination, identify the areas of concern at the site, contaminated media (i.e., soil, groundwater, etc.), relative concentration levels, and a broad-brush description of contaminated areas/depths. The reader should be able to know if contamination is widespread or limited and if concentrations are marginally or greatly above Standards, Criteria and Guidance (SCGs) for the primary contaminants. If the extent is described qualitatively (e.g., low, medium, high), representative concentrations should be given and compared with appropriate SCGs. For soil contamination, the concentrations should be compared with the soil cleanup objectives (SCOs) for the intended use of the site. **A typical Environmental Assessment would look like the following:** Based upon investigations conducted to date, the primary contaminants of concern for the site include cadmium and trichloroethene (TCE). *Soil* - Cadmium is found in shallow soil, mostly near a dry well at the northeast end of the property. TCE is found in deeper soil, predominantly at the north end of the site. Concentrations of cadmium found on site (approximately 5 ppm) slightly exceed the soil cleanup objective (SCO) for unrestricted use (2.5 ppm). Concentrations of TCE found on site (5 ppm to 300 ppm) significantly exceed the soil cleanup objectives for the protection of groundwater (0.47 ppm). *Groundwater* - TCE and its associated degradation products are also found in groundwater at the north end of the site, moderately exceeding groundwater standards (typically 5 ppb), with a maximum concentration of 1500 ppb. A moderate amount of TCE from the site has migrated 300 feet down-gradient off-site. The primary contaminant of concern for the off-site area is TCE, which is present at a maximum concentration of 500 ppb, at 10 feet below the groundwater table near Avenue A. *Soil Vapor & Indoor Air* - TCE was detected in soil vapor at elevated concentrations and was also detected in indoor air at concentrations up to 1,000 micrograms per cubic meter.
Questions 15-17: New York City Sites	These questions pertain ONLY to sites located within the five counties comprising New York City. If the requestor is seeking a determination that the site is eligible for tangible property tax credits, this section and the *Supplemental Questions for Sites Seeking Tangible Property Credits in New York City* **must** be completed.

SECTION II: Project Description
As a separate attachment, provide complete and detailed information about the project, including the purpose of the project, the date the remedial program is to start, and the date the issuance of the Certificate of Completion is anticipated.

SECTION III: Land Use Factors	
In addition to eligibility information, site history, and environmental data/reports, the application requires information regarding the current, intended and reasonably anticipated future land use. This information consists of responses to the “land use” factors to be considered relative to the “Land Use” section of the BCP application. The information will be used to determine the appropriate land use in conjunction with the investigation data provided, in order to establish eligibility for the site based on the definition of a “brownfield site” pursuant to ECL 27-1405(2). This land use information will be used by DEC, in addition to all other relevant information provided, to determine whether the proposed use is consistent with the currently identified, intended and reasonably anticipated future land use of the site at this stage. Further, this land use finding is subject to information regarding contamination at the site or other information which could result in the need for a change in this determination being borne out during the remedial investigation.	
Zoning and Current Use	Provide the current municipal zoning designation and uses permitted by that designation. Provide a summary of the current use of the site, including identifying possible contaminant source areas. If the site is no longer in use, provide the date by which operations ceased.
Anticipated Use	Identify the anticipated post-remediation use of the site and provide a detailed description of the specific anticipated post-remediation use as an attachment.
Renewable Energy Facility Site	Indicate if the post-remediation use of the site is proposed to be a renewable energy facility. A “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. Section 66-p of the Public Service Law: "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. Provide any detailed plans or documentation to support this. Appropriate documentation must be provided as follows: for planned renewable energy facilities generating/storing less than twenty-five (25) megawatts, a local land use approval must be provided. For planned renewable energy facilities generating/storing twenty-five (25) megawatts or greater, a permit issued by the Office of Renewable Energy Siting must be provided.
Compliance with Zoning Laws, Recent Development, and Community Master Plans	Provide an explanation to support the responses to each of these items. Attach additional documentation if applicable.

SECTION IV: Property's Environmental History
For all sites, an investigation report is required that is sufficient to demonstrate the site requires remediation in order to meet the requirements of the program, and that the site is a brownfield site at which contaminants are present at levels exceeding the soil cleanup objectives or other health-based or environmental standards, criteria or guidance adopted by DEC that are applicable based on the reasonably anticipated use of the property, in accordance with applicable regulations. Required data include site drawings and data summary tables requested in Section IV, #3 of the BCP application form. Specific instructions regarding the data summary tables are attached at the end of these instructions.

SECTION V: Requestor Information	
Requestor Name	Provide the name of the person(s)/entity requesting participation in the BCP (if more than one, attach additional sheets with requested information). The requestor is the person or entity seeking DEC review and approval of the remedial program. If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS Department of State to conduct business in NYS, the requestor's name must appear exactly as given in the *NYS Department of State's Corporation & Business Entity Database*. A print-out of entity information from the database must be submitted to DEC with the application, to document that the requestor is authorized to do business in NYS.
Address, etc.	Provide the requestor's mailing address, telephone number and e-mail.
LLC Information	If the requestor(s) is/are an LLC, the names of the members/owners must be provided on a separate attachment.
Document Certification	All documents, which are prepared in final form for submission to DEC for approval, are to be prepared and certified in accordance with Section 1.5 of *DER-10*. Persons preparing and certifying the various work plans and reports identified in Section 1.5 include: • New York State licensed professional engineers (P.E.s), as defined at 6 NYCRR 375-1.2(aj) and paragraph 1.3(b)47. Engineering documents must be certified by a P.E. with current license and registration for work that was done by them or those under their direct supervision. The firm by which the P.E. is employed must also be authorized to practice engineering in New York State; • qualified environmental professionals as defined at 6 NYCRR 375-1.2(ak) and DER-10 paragraph 1.3(b)49; • remedial parties, as defined at 6 NYCRR 375-1.2(ao) and DER-10 paragraph 1.3(b)60; or • site owners, which are the owners of the property comprising the site at the time of the certification.

SECTION VI: Requestor Eligibility	
As a separate attachment, provide complete and detailed information in response to any eligibility questions answered in the affirmative. It is permissible to reference specific sections of existing property reports; however, it is requested that such information be summarized. For properties with multiple addresses or tax parcels, please include this information for each address or tax parcel.	
Volunteer Statement	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.
Proof of Site Access	If a requestor is not the current owner of the entirety of the site, a site access agreement **must be provided** that demonstrates that the requestor will have access to the property before signing the BCA and throughout the BCP project. Additionally, the access agreement must include language allowing the requestor the ability to place an environmental easement on the site should the requestor not be the owner at the time remediation is complete and a Track 1 cleanup has not been achieved.

SECTION VII: Requestor Contact Information	
Requestor's Representative	Provide information for the requestor's authorized representative. This is the person to whom all correspondence, notices, etc. will be sent, and who will be listed as the contact person in the BCA. Invoices will be sent to the representative of Applications determined to be Participants unless another contact name and address is provided with the application.
Requestor's Consultant and Requestor's Attorney	Provide all requested information.

SECTION VIII: Program Fee
If the requestor is applying for a fee waiver, sufficient documentation must be provided to demonstrate financial hardship. To demonstrate financial hardship, the applicant must show that with the payment of the program fee, remediation of the brownfield site would not be economically viable. This documentation may be in the form of federal tax returns with applicable schedules, financial statements and balance sheets, proof that that the applicant has waived its right to tax credits, or any other documentation deemed acceptable by the Department.
If the requestor is applying for a fee waiver based on the requestor's status as a not-for-profit entity, please provide documentation of non-profit designation.

SECTION IX: Current Property Owner and Operator Information	
Owner Information	Provide requested information of the current owner of the property. List all parties holding an interest in the property and, if the requestor is not the current owner, describe the requestor's relationship to the current owner. If the property consists of multiple parcels, be sure to include the ownership start date of each.
Operator Information	Provide requested information of the current operator(s). If multiple operators, attach the requested information for each operator, including the date each operator began utilizing the property.
Historical Owners and Operators	Provide a list of previous owners and a list of previous operators, including dates of ownership or operation and last-known addresses and phone numbers. Describe the requestor's relationship to each previous owner and operator; if no relationship, indicate "none". When describing the requestor's relationship to current and historical owners and operators, include any relationship between the requestor's corporate members and the previous owners and operators.

SECTION X: Property Eligibility Information	
As a separate attachment, provide complete and detailed information in response to the following eligibility questions answered in the affirmative. It is permissible to reference specific sections of existing property reports; however, it is requested that that information be summarized.	
CERCLA / NPL Listing	Has any portion of the property ever been listed on the National Priorities List (NPL) established under CERCLA? If so, provide relevant information.
Registry Listing	Has any portion of the property ever been listed on the New York State Registry of Inactive Hazardous Waste Disposal Sites established under ECL 27-1305? If so, please provide the site number and classification. See the Division of Environmental Remediation (DER) website for a database of sites with classifications.
RCRA Listing	Does the property have a Resource Conservation and Recovery Act (RCRA) TSDF Permit in accordance with the ECL 27-0900 et seq? If so, please provide the EPA Identification Number, the date the permit was issued, and its expiration date. Note: for purposes of this application, interim status facilities are not deemed to be subject to a RCRA permit.
Registry/RCRA Sites Owned by Volunteers	If the answer to question 2 or 3 above is yes, is the site owned by a volunteer as defined under ECL 27- 1405(1)(b), or under contract to be transferred to a volunteer? Attach any information available to the requestor related to previous owners or operators of the facility or property and their financial viability, including any bankruptcy filing and corporate dissolution documentation.

SECTION X: Property Eligibility Information (CONTINUED)	
Existing Order	Is the property subject to an order for cleanup under Article 12 of the Navigation Law or Article 17 Title 10 of the ECL? If so, please provide information on an attachment. Note: if the property is subject to a stipulation agreement, relevant information should be provided; however, property will not be deemed ineligible solely on the basis of the stipulation agreement.
Pending Enforcement Actions	Is the property subject to an enforcement action under Article 27, Titles 7 or 9 of the ECL or subject to any other ongoing state or federal enforcement action related to the contamination which is at or emanating from the property? If so, please provide information as an attachment.

SECTION XI: Site Contact List
Provide the names and addresses of the parties on the Site Contact List (SCL) and a letter from the repository acknowledging agreement to act as the document repository for the proposed BCP project. For sites located in a city with a population of one million or more, the appropriate community board must be included as an additional document repository, and acknowledgement of their agreement to act as such must also be provided.

SECTION XII: Statement of Certification and Signatures
The requestor must sign the application or designate a representative who is authorized to sign. The requestor's consultant or attorney cannot sign the application. If there are multiple parties applying, then each requestor must sign a signature page. If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS Department of State to conduct business in NYS, the entity's name must appear exactly as given in the NYS Department of State's Corporation & Business Entity Database.

DATA SUMMARY TABLE INSTRUCTIONS

Data summary tables should include the following columns:

Soil Table:

Analytes > SCOs[a]	Detections > SCOs[b]	Max. Detection (ppm)[c]	SCO (ppm)[d]	Depth (ft bgs)

Groundwater Table:

Analytes > AWQS[e]	Detections > AWQS[f]	Max. Detection (ppb)[c]	AWQS (ppb)[g]

Soil Gas Table:

Analytes[h]	Total Detections	Max. Detection (ug/m3)[c]	Type[i]

[a] Include all contaminants over the applicable soil cleanup objectives (SCOs). Column header should specify which SCOs are being compared to. (i.e., "RRSCOs" for Restricted Residential SCOs)

[b] Number of detections over applicable SCOs. Specify which SCOs are being compared to in column header.

[c] Maximum detection in parts per million (ppm) for soil, parts per billion (ppb) for groundwater, or micrograms per cubic meter (ug/m3) for soil gas.

[d] List the respective SCO. Specify which SCOs are being compared to in column header.

[e] Include all contaminants over Class GA Ambient Water Quality Standards (AWQS).

[f] Number of detections over AWQS.

[g] List the respective AWQS.

[h] Include all chlorinated volatile organic compound (VOCs) detections.

[i] Specify type: soil vapor, sub-slab or indoor air.

Example Data Summary Tables

Soil Table:

Analytes > RR SCOs	Detections > RR SCOs	Maximum Detection (ppm)	RR SCO (ppm)	Depth (ft bgs)
Benzo(a)anthracene	3	11	1	5 – 7
Benzo(a)pyrene	4	15	1	5 – 7
Benzo(b)fluoranthene	5	15	1	5 – 7
Benzo(k)fluoranthene	1	5.3	3.9	5 – 7
Indeno(1,2,3-cd)pyrene	7	8.4	0.5	5 – 7
barium	2	967	400	0.5 – 2.5
cadmium	2	94.1	4.3	6 – 8
lead	3	1,790	400	0.5 – 2.5

Groundwater Table:

Analytes > AWQS	Detections > AWQS	Max. Detection (ppb)	AWQS (ppb)
Benz(a)anthracene	2	0.2	0.002
Benzo(a)pyrene	2	0.221	ND
Benzo(b)fluoranthene	2	0.179	0.002
Benzo(k)fluoranthene	2	0.189	0.002
Indeno(1,2,3-cd)pyrene	2	0.158	0.002
Tetrachloroethene (PCE)	1	12	5

Soil Gas Table:

Analytes	Total Detections	Max. Detection (µg/m³)	Type
Carbon tetrachloride	1	0.84	Soil vapor
Methylene chloride	1	2.6 J	Soil vapor
Tetrachloroethene	2	47	Soil vapor
Trichloroethene	1	1.2	Soil vapor
Trichlorofluoromethane	1	21	Soil vapor

DETERMINATION OF A COMPLETE APPLICATION

1. The first step in the application review and approval process is an evaluation to determine if the application is complete. To help ensure that the application is determined complete, requestors should review the list of common application deficiencies and carefully read these instructions.
2. DEC will send a notification to the requestor within 30 calendar days of receiving the application, indicating whether such application is complete or incomplete.
3. An application must include the following information relative to the site identified by the application, necessary for making an eligibility determination, or it will be deemed incomplete. (Please note: the application as a whole requires more than the information outlined below to be determined complete). The application must include:
    a. for all sites, an investigation report sufficient to demonstrate the site requires remediation in order to meet the requirements of the program, and that the site is a brownfield site at which contaminants are present at levels exceeding the soil cleanup objectives or other health-based or environmental standards, criteria or guidance adopted by DEC that are applicable based on the reasonably anticipated use of the property, in accordance with applicable regulations. Required data includes site drawings requested in Section IV, #3 of the BCP application form.
    b. for those sites described below, documentation relative to the volunteer status of all requestors, as well as information on previous owners or operators that may be considered responsible parties and their ability to fund remediation of the site. This documentation is required for:
        i. real property listed in the registry of inactive hazardous waste disposal sites as a class 2 site, which may be eligible provided that DEC has not identified any responsible party for that property having the ability to pay for the investigation or cleanup of the property prior to the site being accepted into the BCP; or
        ii. real property that was a hazardous waste treatment, storage or disposal facility having interim status pursuant to the Resource Conservation and Recovery Act (RCRA) program, which may be eligible provided that DEC has not identified any responsible party for that property having the ability to pay for the investigation or cleanup of the property prior to the site being accepted into the BCP.
    c. for sites located within the five counties comprising New York City, in addition to (a) and if applicable (b) above, if the application is seeking a determination that the site is eligible for tangible property tax credits, sufficient information to demonstrate that the site meets one or more of the criteria identified in ECL 27 1407(1-a). If this determination is not being requested in the application to participate in the BCP, the applicant may seek this determination at any time before issuance of a certificate of completion, using the BCP Amendment Application, except for sites seeking eligibility under the underutilized category.
    d. for sites previously remediated pursuant to Titles 9, 13, or 14 of ECL Article 27, Title 5 of ECL Article 56, or Article 12 of Navigation Law, relevant documentation of this remediation.

DETERMINATION OF A COMPLETE APPLICATION (CONTINUED)

4. If the application is found to be incomplete:
    a. the requestor will be notified via email or phone call regarding minor deficiencies. The requestor must submit information correcting the deficiency to DEC within the 30-day review time frame; or
    b. the requestor will receive a formal Letter of Incomplete Application (LOI) if an application is substantially deficient, if the information needed to make an eligibility determination identified in #4 above is missing or found to be incomplete, or if a response to a minor deficiency is not received within the 30-day period. The LOI will detail all of the missing information and request submission of the information. If the information is not submitted within 30 days from the date of the LOI, the application will be deemed withdrawn. In this case, the requestor may resubmit the application without prejudice.

5. If the application is determined to be complete, DEC will send a Letter of Complete Application (LOC) that includes the dates of the public comment period. The LOC will:
    a. include an approved public notice to be sent to all parties on the Contact List included with the application;
    b. provide instructions for publishing the public notice in the newspaper on the date specified in the letter, and instructions for mailing the notice to the Contact List;
    c. identify the need for a certification of mailing form to be returned to DEC along with proof of publication documentation; and
    d. specify the deadline for publication of the newspaper notice, which must coincide with, or occur before, the date of publication in the Environmental Notice Bulletin (ENB).
        i. DEC will send a notice of the application to the ENB. As the ENB is only published on Wednesdays, DEC must submit the notice by the Wednesday before it is to appear in the ENB.
        ii. The mailing to parties on the Contact List must be completed no later than the Tuesday prior to ENB publication. If the mailings, newspaper notice and ENB notice are not completed within the timeframes established by the LOC, the public comment period on the application will be extended to ensure that there will be the required comment period.
        iii. Marketing literature or brochures are prohibited from being included in mailings to the Contact List.

ATTACHMENT A

SECTION I: PROPERTY INFORMATION

ATTACHMENT A
SECTION I: PROPERTY INFORMATION

The Reference Point for the given latitude (40° 41′ 43.55″) and longitude (-73° 53′ 75.88″) is the approximate center of the Site.

Item 1 – Property Maps

The following figures are included for the Site:

Figure A-1 provides the New York Borough Tax Map from the New York City Department of Finance (NYCDOF) showing the proposed brownfield Site boundary.

Figure A-2 is the required United States Geological Survey (USGS) 7.5-minute quadrangle map showing the location of the proposed brownfield Site.

Figure A-3 provides a Site base map that shows i) proposed brownfield Site boundary lines, with adjacent property owners clearly identified; and ii) surrounding land uses.

Item 12 – Easements

No easements exist on the subject property that would preclude remediation.

Item 14 - Property Description and Environmental Assessment Narrative

Location:

The approximate 19,900-square-foot (0.44 acres) proposed brownfield Site is located at 16-63 Cody Avenue in the Ridgewood neighborhood of Queens, New York, and is identified as Block 3556 and Lot 61 on the New York City Tax Map. The Site is bound to north by one two-story residential building, one two-story mixed-use residential/commercial building, and one automobile repair facility, to the west by a recycling facility, to the east by Cody Avenue followed by elevated railroad tracks, and to the south by a one-story industrial building. The Site is currently zoned as a light manufacturing district (M1-4D).

Site Features:

The Site is located in an urban area that is generally covered with roads, walkways, and residential/mixed-use commercial and industrial/manufacturing buildings. The Site is currently occupied by an approximate 12,060-square foot one- and two-story manufacturing warehouse on the southern portion of the property and an associated at grade asphalt paved parking area on

the northern portion. The building is currently operated by two woodworking tenants and affiliated office spaces on the first floor, offices and a residential living space on the second floor. A partial basement is present under the southern portion of the building and consists of mechanical spaces and storage. The asphalt paved portion of the property is operated as a parking lot for a car storage tenant with a storage shed in the northwestern corner.

Current Zoning and Land Use:

The proposed brownfield Site is located in a M1-4D manufacturing district which allows for residential uses. No environmental restrictions are currently associated with the property. The adjoining parcels and surrounding area are of mixed use including residential, industrial, and commercial uses.

Past Use of the Site:

Prior to the most recent woodworking operations which began in 2009, historic uses that may have contributed to the site contamination include a laundry facility, heating and air conditioning manufacturer and other miscellaneous manufacturing.

Historic uses of adjacent properties that may have contributed to the site contamination include an auto repair facility to the west; garages with gasoline tanks and manufacturing to the south; and electronic product manufacturing, iron works, and other miscellaneous manufacturing to the north.

Site Geology and Hydrogeology:

Based on borings completed during the Phase II Environmental Investigation (EI) in 2022 and the Remedial Investigation (RI) in 2023, the subsurface stratigraphy at the Site consists of fill material, generally consisting of sand with concrete, scrap metal, and brick fragments beneath the manufacturing warehouse, beneath the basement slab, within the sidewalk of Cody Avenue, and on the western portion of the building exterior, to depths ranging from approximately 0 to 12 feet below grade. The fill is underlain by a silty sand with cobbles and boulders that extended to the termination depths of all borings, which ranged from 20 to 110 feet below grade.

The "Surficial Geologic Map of New York" by the New York State Museum State Geological Survey indicates that the surficial geology at the Site consists of till moraine which is generally an impermeable layer comprised of variable sorted clasts. According to the "Bedrock and Engineering Geologic Maps of New York County" by Charles A. Baskerville the Site is underlain by the Hartland Formation which consists of interbedded units of feldspar, schist, and amphibolite.

Perched groundwater was encountered at two temporary monitoring wells in the northern portion of the Site between 18 and 18.8 feet below sidewalk level (bsl) during the Phase II. Groundwater was encountered between el 13.49 to el 15.08 feet NAVD88 (between 60.07 and 61.81 feet below sidewalk level) during the RI. Based on area topography and observed water level measurements, groundwater flow is to the southeast. Based on area topography, observed water level measurements, and the proximity of the Site to Fresh Creek, groundwater flow is to the southeast.

Environmental Assessment:

The primary contaminants of concern present on-Site include: chlorinated volatile organic compounds (VOCs), petroleum VOCs, and semi-volatile organic compounds (SVOCs) detected in soil; chlorinated VOCs and petroleum VOCs in groundwater; and chlorinated VOCs in soil vapor and in collocated sub-slab soil vapor and indoor air. Summaries of the previous investigations are provided in Attachment D.

Soil: The highest concentrations of chlorinated VOCs on-site were detected within shallow non-native material in the northwestern portion of the Site at depths ranging between 1 to 7 feet bsl. Tetrachloroethene (PCE) was identified at a maximum concentration of 32 mg/kg, which exceeds the applicable Restricted-Residential Restricted Use Soil Cleanup Objective (RUSCO) of 19 mg/kg and Protection of Groundwater Soil Cleanup Objective (PGW SCO) of 1.3 mg/kg. Trichloroethene (TCE) was identified at a maximum concentration of 43 mg/kg, which exceeds the applicable Restricted-Residential RUSCO of 21 mg/kg and PGW SCO of 0.47 mg/kg. The highest concentrations of petroleum VOCs were detected at a depth ranging between 65 and 67 feet bsl in the central portion of the Site. 1,2,4-Trimethylbenzene (1,2,4-TMB) was identified at a maximum concentration of 890 mg/kg, which exceeds the applicable Restricted-Residential RUSCO of 52 mg/kg and PGW SCO of 3.6 mg/kg. 1,3,5-Trimethylbenzene (1,3,5-TMB) was identified at a maximum concentration of 240 mg/kg, which exceeds the applicable Restricted-Residential RUSCO of 52 mg/kg and PGW SCO of 8.4 mg/kg. N-Propylbenzene was identified at a maximum concentration of 140 mg/kg, which exceeds the applicable Restricted-Residential RUSCO of 100 mg/kg and PGW SCO of 3.9 mg/kg.

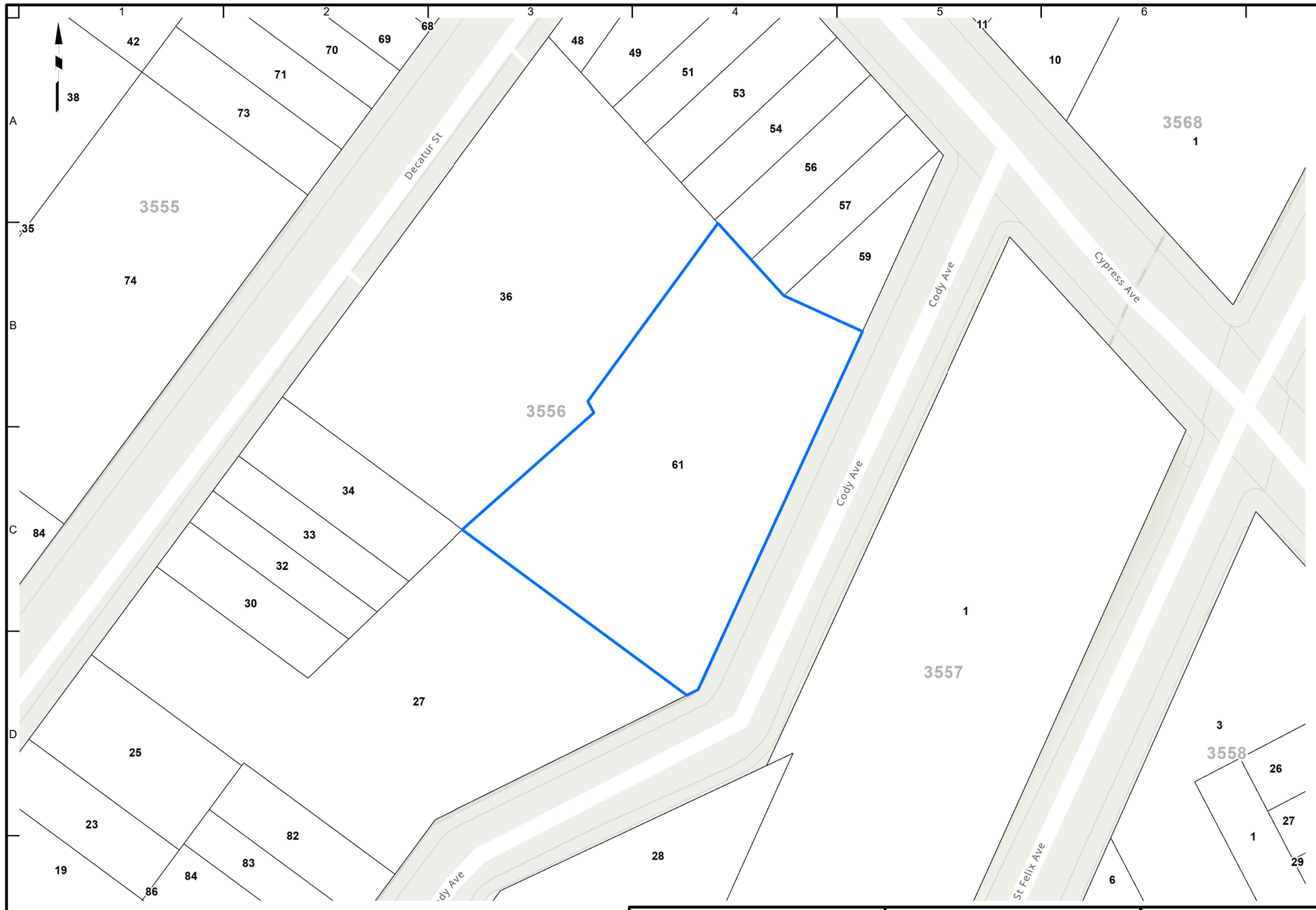
The highest concentrations of SVOCs were identified in impacted shallow non-native material between 1 and 7 feet bgs in the northern and central portions of the site and beneath the existing basement slab in the southern portion of the site. Benzo(a)anthracene was identified at a maximum concentration of 4.5 mg/kg, which exceeds the applicable Restricted-Residential RUSCO of 1 mg/kg and PGW SCO of 1 mg/kg. Benzo(a)pyrene was identified at a maximum concentration of 4.4 mg/kg, which exceeds the applicable Restricted-Residential RUSCO of 1 mg/kg. Benzo(b)fluoranthene was identified at a maximum concentration of 5.5 mg/kg, which exceeds the applicable Restricted-Residential RUSCO of 1 mg/kg and PGW SCO of 1.7 mg/kg. Chrysene was identified at a maximum concentration of 4.4 mg/kg, which exceeds the applicable Restricted-Residential RUSCO of 3.9 mg/kg and PGW SCO of 1 mg/kg.

Dibenz(a,h)anthracene was identified at a maximum concentration of 0.66 mg/kg, which exceeds the applicable Restricted-Residential RUSCO of 0.33 mg/kg. Indeno(1,2,3-cd)pyrene was identified at a maximum concentration of 3.3 mg/kg, which exceeds the applicable Restricted-Residential RUSCO of 0.5 mg/kg.

Perfluorooctanesulfonic Acid (PFOS) was detected in shallow non-native material at a maximum concentration of 0.00184 mg/kg, which exceeds the Unrestricted Use Guidance Values of 0.00088 mg/kg and the Protection of Water Guidance Values of 0.001 mg/kg. Perfluorooctanoic Acid (PFOA) was not detected above the Guidance Values.

Groundwater: The highest concentrations of chlorinated VOCs were detected exceeding the NYSDEC Ambient Water Quality Standards and Guidance Value (SGVs) within shallow monitoring wells on the southern portion of the Site. PCE was identified at a maximum concentration of 260 ug/l, which exceeds the SGV of 5 ug/l. TCE was identified at a maximum concentration of 84 ug/l, which exceeds the SGV of 5 ug/l. PCE and TCE were not detected above the SGVs in the intermediate or deep monitoring wells, with the exception of PCE detected above the SGV within one intermediate monitoring well in the southwestern portion of the Site. Chloroform was identified in the shallow, intermediate, and deep groundwater monitoring wells on the southern portion of the Site at a maximum concentration of 54 ug/l, which exceeds the SGV of 7 ug/l. The highest concentrations of petroleum VOCs were detected within two shallow groundwater monitoring wells. Petroleum VOCs were detected above the NYSDEC SGVs at these two isolated locations, including but not limited to: 1,2,4-TMB at a maximum concentration of 300 ug/l, which exceeds the SGV of 5 ug/l; 1,3,5-TMB at a maximum concentration of 80 ug/l, which exceeds the SGV of 5 ug/l; ethylbenzene at a maximum concentration of 44 ug/L, which exceeds the SGV of 5 ug/L; total xylenes, at a maximum concentration of 110 ug/L, which exceeds the SGV of 5 ug/L; and n-propylbenzene at a maximum concentration of 39 ug/l, which exceeds the SGV of 5 ug/l. PFOS was detected at a maximum concentration of 0.00599 ug/l, which exceeds the SGV of 0.0027 ug/l. PFOA was detected at a maximum concentration of 0.0533 ug/l, which exceeds the SGV of 0.0067 ug/l.

Soil Vapor /Sub-Slab Soil Vapor /Indoor Air: Total chlorinated VOCs concentrations were detected within soil vapor, sub-slab soil vapor and indoor air throughout the Site. PCE was detected in soil vapor samples at concentrations up to 6,560 µg/m^3, in sub-slab soil vapor samples up to 346,000 µg/m^3, and in indoor air samples up to 2,350 µg/m^3, respectively. TCE was detected in soil vapor samples at concentrations up to 9,620 µg/m^3, in sub-slab soil vapor samples up to 5,480 µg/m^3, in indoor air samples up to 83.8 µg/m^3, respectively.



NOTES:
1. TAX PARCEL DATA PROVIDED BY THE NEW YORK CITY DEPARTMENT OF CITY PLANNING, MAPPLUTO 23V1.2.

WARNING: It is a violation of the NYS Education Law Article 145 for any person, unless acting under the direction of a licensed professional engineer, land surveyor or geologist, to alter this item in any way.

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SCALE IN FEET

LANGAN
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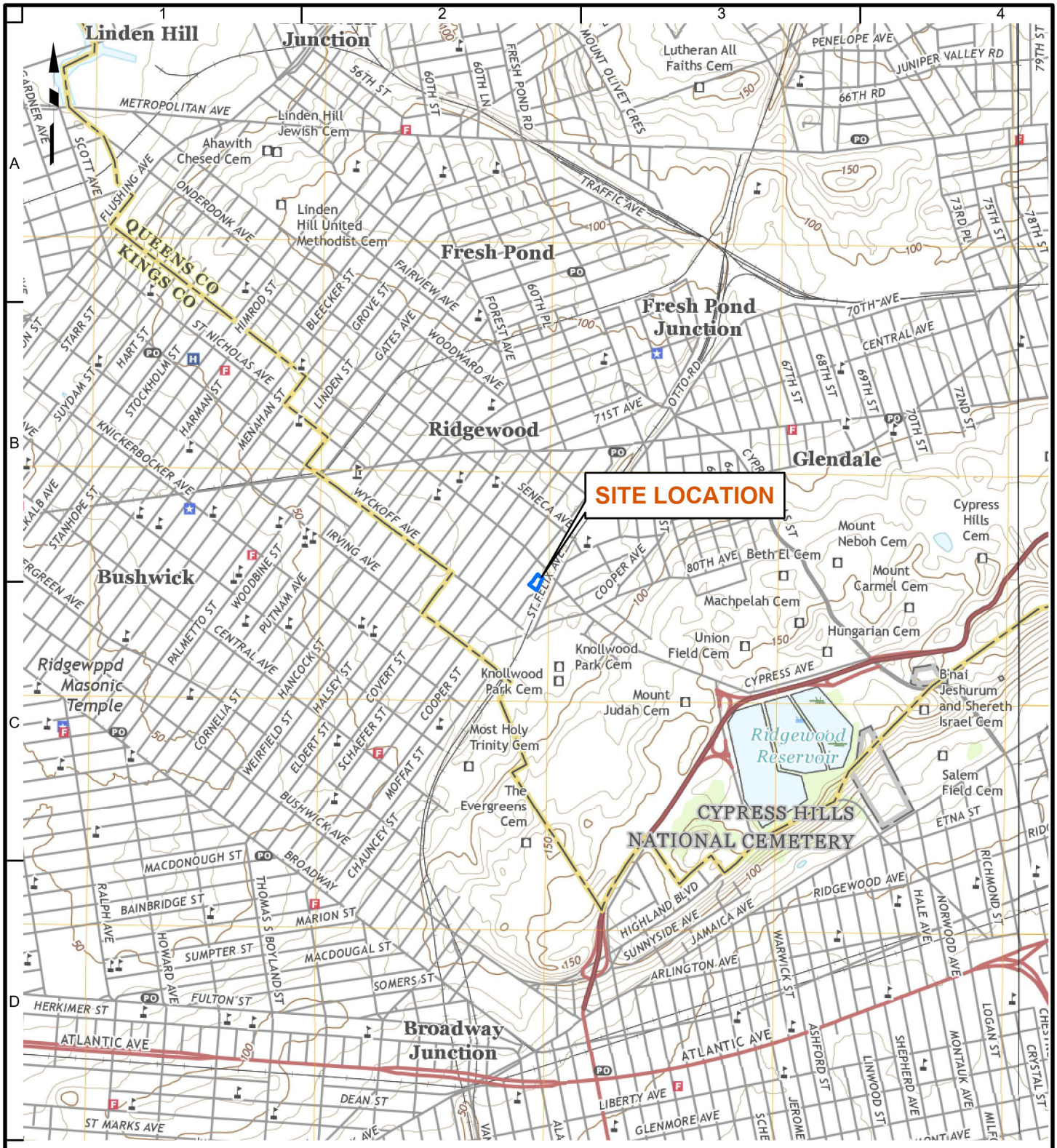
Project
16-63 CODY AVENUE
BLOCK No. 3556, LOT No. 61
QUEENS COUNTY NEW YORK

Figure Title
TAX MAP

Project No.	101015501
Date	7/26/2023
Scale	1"=50'
Drawn By	PDT
Figure No.	A-1

Path: \\langan.com\data\PAR\data5\101015501\Project Data\ArcGIS\APRX\101015501\101015501.aprx Date: 7/26/2023 User: pditillio Time: 12:25 PM



Legend

Approximate Site Boundary

2,000 0 2,000

SCALE IN FEET

NOTES:

1. BASEMAP ADAPTED FROM UNITED STATES GEOLOGICAL SURVEY (USGS) 7.5-MINUTE SERIES TOPOGRAPHICAL MAPS, BROOKLYN AND JAMAICA, NEW YORK, 2019 QUADRANGLE.

LANGAN

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Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International LLC

Collectively known as Langan

Project

16-63 CODY AVENUE

BLOCK No. 3556, LOT No. 61

QUEENS COUNTY NEW YORK

Figure Title

SITE LOCATION MAP

Project No.	101015501
Date	7/26/2023
Scale	1"=2,000'
Drawn By	PDT
Submission Date	

Figure No. **A-2**

BLOCK 3556, LOT 54
SITE NAME: 1112 CYPRESS AVENUE, QUEENS 11385
USE: RESIDENTIAL
OWNER: ALMONTE, LUIS A
OCCUPANT: N/A

BLOCK 3556, LOT 56
SITE NAME: 1114 CYPRESS AVENUE, QUEENS 11385
USE: RESIDENTIAL
OWNER: FELIZ, KAREN
OCCUPANT: N/A

BLOCK 3556, LOT 36
SITE NAME: 1660 DECATUR STREET, QUEENS 11385
USE: RECYCLING CENTER
OWNER: 1660 DECATUR STREET LLC
OCCUPANT: DECANTUR ST RECYCLING CENTER

BLOCK 3556, LOT 57
SITE NAME: 1116 CYPRESS AVENUE, QUEENS 11385
USE: AUTO PARTS SHOP
OWNER: CYPRESS RIDGEWOOD PROPERTIES LLC
OCCUPANT: COMPI TIRE AND RIM

BLOCK 3556, LOT 59
SITE NAME: 16-77 CODY AVENUE, QUEENS 11385
USE: MECHANIC
OWNER: 16-77 CODY AVENUE LLC
OCCUPANT: ALBERT AUTO BODY INC

BLOCK 3556, LOT 27
SITE NAME: 16-59 CODY AVE, QUEENS 11385
USE: MANUFACTURING
OWNER: A B C REAL ESTATE
OCCUPANT: TITAN STUDIOS/NUERNBERGER PIANO CO. RESTORATIONS

BLOCK 3556, LOT 61
SITE NAME: 16-63 CODY AVE, QUEENS 11385
USE: MANUFACTURING
OWNER: JOHNSON INGRAHAM ASSOCIATES LLC/ UNION FIDELITY LIFE INSURANCE COMPANY
OCCUPANT: NONE

Legend

- Approximate Site Boundary
- Tax Parcels
- 3569 Blocks
- 1,000-Foot Radius

Land Use

- One & Two Family Buildings
- Multi-Family Walk-Up Buildings
- Multi-Family Elevator Buildings
- Mixed Residential & Commercial Buildings
- Commercial & Office Buildings
- Industrial & Manufacturing
- Transportation & Utility
- Public Facilities & Institutions
- Open Space & Outdoor Recreation
- Parking Facilities
- Vacant Land
- Other/No Data

NOTES:
1. TAX PARCEL DATA PROVIDED BY THE NEW YORK CITY DEPARTMENT OF CITY PLANNING, MAPPLUTO 23V1.2.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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SCALE IN FEET

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Project
16-63 CODY AVENUE
BLOCK No. 3556, LOT No. 61
QUEENS COUNTY NEW YORK

Figure Title
ADJOINING PROPERTY AND SURROUNDING LAND USE MAP

Project No.	101015501
Date	7/27/2023
Scale	1"=100'
Drawn By	PDT
Figure No.	A-3

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ATTACHMENT B

SECTION II: PROJECT DESCRIPTION

ATTACHMENT B
SECTION II: PROJECT DESCRIPTION

Item 4 – Project Description

Overall Development Project Description

The purpose of the project is to redevelop a contaminated parcel of land, while implementing remedial measures that are protective of human health and the environment. The proposed redevelopment consists of restricted-residential end use. The proposed future use of the Site consists of construction of a three-story residential building to be built at the existing grade and be operated as a shelter for the homeless. The proposed building will occupy approximately 11,529 square feet of the property. The remainder of the Site will consist of an asphalt parking lot.

Estimated Project Schedule

The remedial program is anticipated to start in January 2024 and a Certificate of Completion is anticipated prior to December 2025. The future project schedule is included below.

Brownfield Cleanup Program Application
16-63 Cody Avenue Redevelopment Site
16-63 Cody Avenue
Ridgewood, New York

Attachment B - Section II: Project Description

Estimated Project Schedule

Item	Action	2023						2024										2025									
		JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	BCP Application Acceptance and Agreement																														
2	RIR Submission and Approval																														
3	IRMWP Submission and Approval																														
4	RAWP Submission and Approval																														
5	IRMWP Implementation																														
6	Remedial Action Implementation																														
7	Preparation and Submission of FER and SMP																														
8	NYSDEC & NYSDOH Review of FER and SMP																														
9	NYSDEC Issues COC																														

Notes:

a) This is an estimated schedule; actions and duration are subject to change.
b) BCP = Brownfield Cleanup Program
c) RIWP = Remedial Investigation Work Plan
d) RIR = Remedial Invesitigation Report
e) IRMWP = Interim Remedial Measures Work Plan
f) RAWP = Remedial Action Work Plan
g) Completion of Item 6 refers to the completion of remediation and not the end of overall construction.
h) FER = Final Engineering Report
i) SMP = Site Management Plan
j) NYSDEC = New York State Department of Environmental Conservation
k) NYSDOH = New York State Department of Health
l) COC = Certificate of Completion

ATTACHMENT C

SECTION III: LAND USE FACTORS

LANGAN

ATTACHMENT C
SECTION III: LAND USE FACTORS

Item 1 and 2 - Current Zoning

The Site is located in a Light Manufacturing District (M1-4D). The M1-4D district allows for manufacturing, commercial, and residential uses.

Item 3 and 4– Current Use

The Site is currently occupied by a 12,060-square foot one- and two-story manufacturing warehouse on the southern portion of the property and an associated at grade asphalt paved parking area on the northern portion. The building is currently operated by two woodworking tenants and affiliated office spaces on the first floor, offices and a residential living space on the second floor. A partial basement is present under the southern portion of the building and consists of mechanical spaces and storage. The asphalt paved portion of the property is operated as a parking lot for a car storage tenant with a storage shed in the northwestern corner. The current Site use is consistent with the existing zoning and the surrounding land uses.

Item 5 and 6 – Intended Use Post-Remediation

The proposed redevelopment is anticipated to consist of a residential building to be built at the existing grade and operated as a shelter for the homeless, which is consistent with the current zoning as discussed in detail above.

Item 8 – Current/Historical Development Patterns

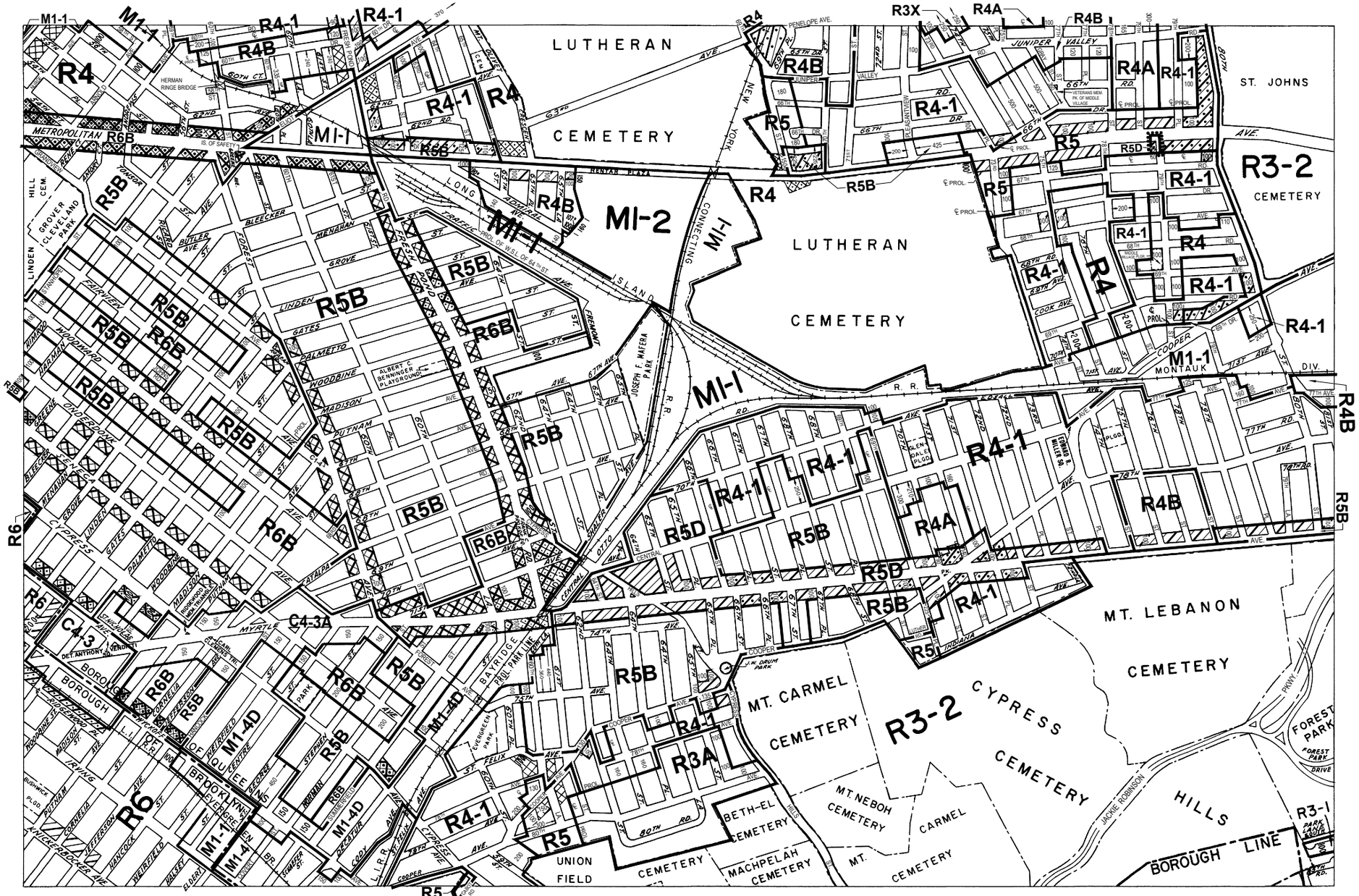
The Site is currently within a light manufacturing district that allows for commercial businesses in a predominately residential area. Surrounding properties include mixed use including residential, industrial, and commercial uses. As such, the proposed development of the Site is consistent with property use in the vicinity.

Item 9 – Consistency with Applicable Zoning Laws/Maps

The Site is currently zoned as a Light Manufacturing District (M1-4D). The proposed use is consistent with applicable zoning laws. The current zoning map is included in this attachment as Figure C-2.

Item 10 – Consistency with Applicate Community Plans/Revitalization Plans/Adopted Land Use Plans

The Site is not located within or subject to any Queens community master plans, local waterfront revitalization plans, or within other adopted land use plans.



ZONING MAP

THE NEW YORK CITY PLANNING COMMISSION

Major Zoning Classifications:

The number(s) and/or letter(s) that follows an R, C or M District designation indicates use, bulk and other controls as described in the text of the Zoning Resolution.

R – RESIDENTIAL DISTRICT

C – COMMERCIAL DISTRICT

M – MANUFACTURING DISTRICT

SPECIAL PURPOSE DISTRICT
The letter(s) within the shaded area designates the special purpose district as described in the text of the Zoning Resolution.

AREA(S) REZONED

Effective Date(s) of Rezoning:

10-12-2022 C 220133 ZMQ

Special Requirements:

For a list of lots subject to CEQR environmental requirements, see APPENDIX C.

For a list of lots subject to "D" restrictive declarations, see APPENDIX D.

For Inclusionary Housing designated areas and Mandatory Inclusionary Housing areas on this map, see APPENDIX F.

N

MAP KEY

13a	13c	14a
13b	**13d**	14b
17a	17c	18a

ZONING MAP **13d**

C1-1 C1-2 C1-3 C1-4 C1-5 C2-1 C2-2 C2-3 C2-4 C2-5

NOTE: Where no dimensions for zoning district boundaries appear on the zoning maps, such dimensions are determined in Article VII, Chapter 6 (Location of District Boundaries) of the Zoning Resolution.

NOTE: Zoning information as shown on this map is subject to change. For the most up-to-date zoning information for this map, visit the Zoning section of the Department of City Planning website: www.nyc.gov/planning or contact the Zoning Information Desk at (212) 720-3291.

ATTACHMENT D

SECTION IV: PROPERTY'S ENVIRONMENTAL HISTORY

ATTACHMENT D
SECTION IV: PROPERTY'S ENVIRONMENTAL HISTORY

Item 1 – Reports

Environmental reports prepared for the Site are summarized below and include the following:

- *Phase I Environmental Site Assessment*, prepared by Langan, 26 August 2022
- *Phase II Environmental Investigation Report,* prepared by Langan, 1 December 2022
- *Draft Remedial Investigation Report,* prepared by Langan, 8 September 2023
- *Draft Interim Remedial Measures Work Plan,* prepared by Langan, 8 September 2023
- *Draft Remedial Action Measures Work Plan,* prepared by Langan, 8 September 2023

The September 2022 Phase I Environmental Site Assessment, the December 2022 Phase II Environmental Investigation Report, the August 2023 draft Remedial Investigation Report, August 2023 draft Interim Remedial Measures Work Plan, and August 2023 draft Remedial Action Measures Work Plan are provided within this attachment. Findings of these reports are summarized below:

Phase I Environmental Site Assessment – Langan (2022)

Langan conducted a Phase I ESA for the Site dated 26 August 2022 on behalf of the Requestor. The following recognized environmental conditions (RECs) were identified in Langan's 2022 Phase I ESA, and subsequently investigated as part of Langan's 2022 Phase II EI:

- REC-1: Historic Operations
- REC-2: Historical Uses of Adjacent Properties

According to the historic records, the Sanborn maps indicated that the onsite building was formerly operated by Ridgewood Laundry Inc. between 1936 and 1950 and air conditioner manufacturing operations between 1980 and 2006. The City Directory identified the former tenants as a fluorescent fixture company and a metal specialty company in 1962; Shell Oil Co, Shell Metal Manufacturing Corp, and Modell Industries Inc. in 1967; and metal fabrication operations between 1970 and 2005. It was concluded that since historic onsite uses indicated laundry and manufacturing activities, the historic onsite uses have the potential to have impacted the subsurface soil, groundwater and/or soil vapor conditions at the Site.

Historical uses of the adjacent properties were identified in the historic records reviewed as a garage and manufacturing building with gasoline tanks adjacent to the south, manufacturing facilities, including an iron works facility and an electronic product manufacturing facility, to the north, and an automobile body repair facility to the west.

It was concluded in the Phase I ESA that while no records of spills or releases or PBS records were identified for the adjacent properties to the north, west, and south of the subject property in the Radius Report, there is the potential that the current and historic operations at the adjacent properties may have impacted the subsurface soil, groundwater or soil vapor on these properties with the potential for those impacts to have migrated onto the subject property.

The Phase I ESA also identified one business environmental risk (BER) for the potential of urban fill on the subject site based on the urban density of the area.

Phase II Environmental Investigation Report – Langan (2022)

Langan conducted a Phase II EI for the Site in 2022 for the Requestor. Results of the investigation were summarized in the 1 December 2022 Phase II Environmental Investigation Report (EIR).

The scope of work for the Phase II EI consisted of:

- A limited ground-penetrating radar (GPR) survey within the vicinity of soil boring locations and in limited areas across the Site to investigate the location of subsurface utilities.
- Advancement of 13 soil borings (SB01 through SB13) and collection of 6 soil samples (including one duplicate sample) for volatile organic compounds (VOC) and semi-volatile organic compounds (SVOC) analysis and 15 soil samples (including one duplicate sample) for VOC, SVOC, and metals analysis.
- Installation of eight temporary groundwater monitoring wells (TMW04, TMW06, TMW07, TMW08, and TMW10 through TMW13) and the collection of three groundwater samples (including one duplicate sample) for VOC and SVOC analysis and four groundwater samples (including one duplicate sample) for VOC, SVOC, and metals analysis.

The findings of the Phase II EIR consisted of:

- Shallow material on the western portion of the property and beneath the building and basement on the Site was identified as being impacted with SVOCs and metals. Additionally, elevated concentrations of chlorinated VOCs in soil and groundwater were identified, particularly on the western portion of the property.
- Material consisting of sand with concrete, scrap metal, and brick fragments was present along the western portion of the property and beneath the building and basement on the Site. The material was not detected on the eastern portion of the Site. Four samples of

this material identified SVOCs above the NYSDEC Unrestricted Use Soil Cleanup Objectives (SCOs), Restricted-Residential Restricted Use Soil Cleanup Objectives (RUSCOs), and/or Protection of Groundwater SCOs.

- Odors and elevated PID readings between 520 parts-per-million (ppm) and 2,060 ppm in SB10 between 63.5 and 69 feet below sidewalk level (bsl) in the central portion of the Site and between 12 ppm and 414 ppm in SB12 between 23 and 37 feet bsl (corresponding to 15 and 29 feet below the existing building basement slab) in the southern portion of the Site. Elevated PID readings and/or odor and staining were not observed in any other soil borings completed as part of the Phase II EI.
- The CVOCs, PCE and TCE were detected at concentrations exceeding the Unrestricted Use SCOs and Protection of Groundwater SCOs in two soil samples collected in shallow material between the depths of 1 and 4 feet bgs and also within one sample collected within the 23 and 25 feet bgs (corresponding to 15 and 17 feet below the basement slab) at the Site. Additionally, PCE was detected in 15 samples and TCE was detected in 13 samples at concentrations not exceeding the Unrestricted Use SCOs at varying depths and locations across the Site. Groundwater analytical results also identified CVOCs exceeding the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA water (collectively known as NYSDEC SGVs) in the perched groundwater on the northwestern portion of the Site and within the groundwater on the central and southern portion of the Site. Specifically, the highest concentration of PCE at 260 µg/l in groundwater was detected at the TMW11 location which was installed within the footprint of the historical Ridgewood Laundry Inc. operations.
- SVOCs and metals were detected above the SGVs within groundwater collected from TMW07, TMW10, and TMW11.

Langan recommended that additional investigation be undertaken to further define potential sources of impacts in the soil as well as groundwater, including vertically delineating the groundwater impacts associated with the historic use.

Draft Remedial Investigation Report – Langan (2023)

The RI was completed to further investigate potential on-Site sources and extents of soil and groundwater impacts identified in Langan's 1 December 2022 Phase II EIR and assess for the presence of soil vapor impacts.

The scope of work for the RI consisted of:

- A Site-wide geophysical survey throughout accessible areas of the Site to identify if any subsurface anomalies exist and to assess for the presence of subsurface structures, piping, and underground storage tanks, including previously undiscovered underground storage tanks (USTs), which may contribute to the presence or migration of contamination;
- Advancement of 26 soil borings (SB01, SB07, SB07-1A through SB07-1D, SB07-2A through SB07-2D, SB08, SB10, SB11, SB11-1A through SB11-1D, SB11-2A through SB11-2D, SB12, and SB14 through SB17) and collection of 56 soil samples (including four duplicate samples);
- Installation of 16 permanent monitoring wells (cluster wells LMW-1 through LMW-4, which were installed with three wells per cluster, each of which targeted the shallow, intermediate, and deep intervals, and LMW-5 through LMW-8, which targeted the shallow interval only), and collection of 17 groundwater samples (including one duplicate sample);
- Survey and gauging of monitoring wells to evaluate groundwater elevation and flow direction;
- Installation of 4 sub-slab soil vapor sampling points (LSSV01 through LSSV04) and collection of 4 co-located sub-slab soil vapor and indoor air samples (including one duplicate sub-slab soil vapor sample) and one ambient air sample; and,
- Installation of 4 soil vapor sampling points (LSV01 through LSV04) and collection of 4 soil vapor samples.

The findings of the RIR consisted of:

- Stratigraphy: A non-native layer was observed at a thickness of up to 12 feet bgs at all borings except for two locations in the parking lot that is underlain by a native silty sand layer. Bedrock was not encountered in any of the soil borings advanced.
- Hydrogeology: Groundwater was encountered between el 13.49 to el 15.08 feet NAVD88 (between 60.07 and 61.81 feet bsl) during the RI. Based on measured groundwater elevations, groundwater flow is to the southeast.
- Shallow Soil Quality: Contaminants identified within the shallow non-native material include SVOCs, metals, and pesticides which were detected at concentrations above Unrestricted Use SCOs, Restricted-Residential RUSCOs, and/or Protection of Groundwater SCOs and PFAS (PFOS) which was detected at concentrations above the Unrestricted Use SCOs and/or Protection of Groundwater Guidance Values within this layer. Petroleum-like impacts, as evidenced by odors and/or sheen, were not encountered in the shallow material observed within the soil borings.

- Chlorinated VOCs in Soil: Chlorinated VOCs were detected above the Unrestricted Use SCOs, Restricted-Residential RUSCOs, and/or Protection of Groundwater SCOs within shallow soil samples collected on the northwestern portion of the Site between 1 and 7 feet bsl, beneath the building slab on the southern portion of the site between 2 and 4 feet bsl, and beneath the basement slab of the existing building on the southern portion of the site at a depth of 23 to 25 feet bsl (corresponding to 15 to 17 feet below the basement slab). Of these, exceedances of the Restricted-Residential RUSCOs were only detected at SB07_-1B at 1 to 3 feet bsl for PCE and TCE and SB07_-1D at 1 to 3 feet bsl for TCE. These Restricted-Residential exceedances have been vertically delineated by the samples collected at 5 to 7 feet bsl at SB07_-1B and SB07_-1D. These exceedances have been horizontally delineated by the site boundary to the west of SB07_-1B, the site boundary to the north of SB07_-1D, to the east by SB07_-2A, to the southeast by SB07_-1C, and to the south by SB07_-2D.
- Petroleum VOCs in Soil: Petroleum-like impacts, as evidenced by odors and/or sheen, were not encountered in the soil borings with the exception of SB10 which exhibited PID readings between 33 ppm and 90 ppm between 60 and 70 feet bgs and SB12, with PID readings ranging from 18 to 1,246 ppm during the RI at depths between 16 and 49 feet bsl, with the greatest PID impacts (894 to 1,256 ppm) detected in the 18 to 20 feet bsl interval. Similarly, petroleum-like impacts, as evidenced by odors and/or sheen, were not encountered in any of the soil borings, with the exception of SB10, which exhibited odors between 60 and 70 feet bsl and SB12, which exhibited odors between 16 and 40 feet bsl. Petroleum VOCs were detected above the Unrestricted Use SCOs, Restricted-Residential RUSCOs, and/or Protection of Groundwater SCOs in one sample from soil boring SB12 collected at the 28 to 30 feet bsl intervals (corresponding to 20 to 22 feet below the existing building basement slab).
- Groundwater Quality: Elevated concentrations of CVOCs, including chloroform, cis-1,2-DCE, and PCE were detected above the NYSDEC SGVs in the shallow monitoring wells screened from 55 to 70 feet bsl throughout the Site and in intermediary and/or deep groundwater monitoring wells screened from 80 to 90 feet bsl and 100 to 110 bsl, respectively, on the southern portion of the Site. PCE and its daughter products were detected during the 2023 RI within shallow monitoring wells at concentrations ranging from 0.43 µg/L in LMW-6 to 57.04 µg/L in LMW-1S; within intermediate monitoring wells at concentrations ranging from not detected in LMW-1I and LMW-3I to 32.8 µg/L in LMW-2I; and within the deep monitoring wells ranging from not detected in LMW-2D and LMW-3D to 0.54 µg/L in LMW-1D. The highest concentrations of PCE during the 2023 RI were identified within shallow groundwater at LMW-1S (54 µg/L) on the western portion of the Site, and PCE concentrations decreased in the downgradient direction from that location to 0.93 µg/L at LMW-4S and 0.43 µg/L at LMW-6. While PCE was detected above the SGVs in five shallow monitoring wells (LMW-1S, LMW-3S, LMW-5, LMW-7, and

LMW- 8), the only PCE detection above the SGVs in the intermediate wells was identified in LMW-2I), where PCE impacts were not detected above the SGVs in the shallow or deep groundwater intervals. Neither PCE nor its daughter products were detected above the SGVs in any of the deep monitoring wells. Chloroform was detected within shallow monitoring wells at concentrations ranging from 0.74 µg/L in LMW-8 to 48 µg/L in LMW-4S; within the intermediate monitoring wells at concentrations ranging from 2.1 µg/L in LMW-1I to 52 µg/L in LMW-3I; and within the deep monitoring wells at concentrations ranging from 2.8 µg/L in LMW-2D to 54 µg/L in LMW-3D. The highest concentration of chloroform in the shallow groundwater during the 2023 RI was identified within LMW-4S (48 µg/L) in the central portion of the Site. By comparison, chloroform was detected in shallow monitoring wells within the western portion of the Site at lower concentrations (between 11 µg/L in LMW-2S to 14 ug/L in LMW-1S). The distribution of chloroform contamination in the intermediate and deep intervals differs significantly from the distribution in the shallow interval. The highest concentrations of chloroform in the intermediate and deep groundwater was identified in the western portion of the Site (52 ug/L in LMW-3I and 54 ug/L in LMW-3D) with lower concentrations detected within down-gradient monitoring wells (28 ug/L in LMW-4I and 21 ug/L in LMW-4D). It should also be noted that chloroform was detected below the SGVs in shallow groundwater at the LMW-3 cluster well location. Petroleum VOCs, including 1,2,4,5-tetramethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, isopropylbenzene, m,p-xylene, naphthalene, n-propylbenzene, o-xylene (1,2-dimethylbenzene), and/or total xylenes, were identified exceeding the NYSDEC SGVs within shallow groundwater on the eastern and southern portions of the Site. SVOCs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, bis(2-ethylhexyl) phthalate, chrysene, indeno(1,2,3-cd)pyrene, and naphthalene, were identified exceeding the NYSDEC SGVs within five shallow groundwater monitoring wells throughout the Site. Metals, including total and/or dissolved antimony, iron, manganese, selenium, and sodium, were identified exceeding the NYSDEC SGVs within shallow groundwater throughout the Site and in intermediary groundwater on the southern portion of the Site. Perfluorooctane sulfonic acid (PFOS) and/or perfluorooctanoic acid (PFOA), were detected above the NYSDEC SGVs within five shallow groundwater throughout the Site.

- Soil Vapor Quality: Results of the collocated soil vapor and indoor air sampling identified concentrations of cis-1,2-DCE, PCE, TCE and methylene chloride that would require mitigation per the NYSDOH Soil Vapor Intrusion Matrix guidance values across the Site footprint.

Draft Interim Remedial Measures Work Plan – Langan (2023)

The draft Interim Remedial Measures Work Plan (IRMWP) was prepared to address the groundwater impacts identified in the 2022 Phase II EI and the 2023 RI. The interim remedial measures will consist of injections to target chlorinated VOCs impacts in groundwater throughout the Site. The IRMWP is included in this BCP Application.

Draft Remedial Action Work Plan – Langan (2023)

The draft Remedial Action Work Plan (RAWP) was prepared to address the remaining contamination on the Site after the interim remedial measures have been implemented. The RAWP is included in this BCP Application.

Item 2 – Sampling Data

The data summary tables for soil, groundwater, and indoor air/sub-slab soil vapor/soil vapor for the Site are provided as Tables D1A through D1C, respectively. The analytical results for soil, groundwater, indoor air/sub-slab soil vapor, and soil vapor are attached as Tables D2 through D5, respectively.

The laboratory packages for the analytical data are included as Attachment C of the December 2022 Phase II Environmental Investigation Report and as Appendix E of the August 2023 draft Remedial Investigation Report. Both reports are provided within this attachment.

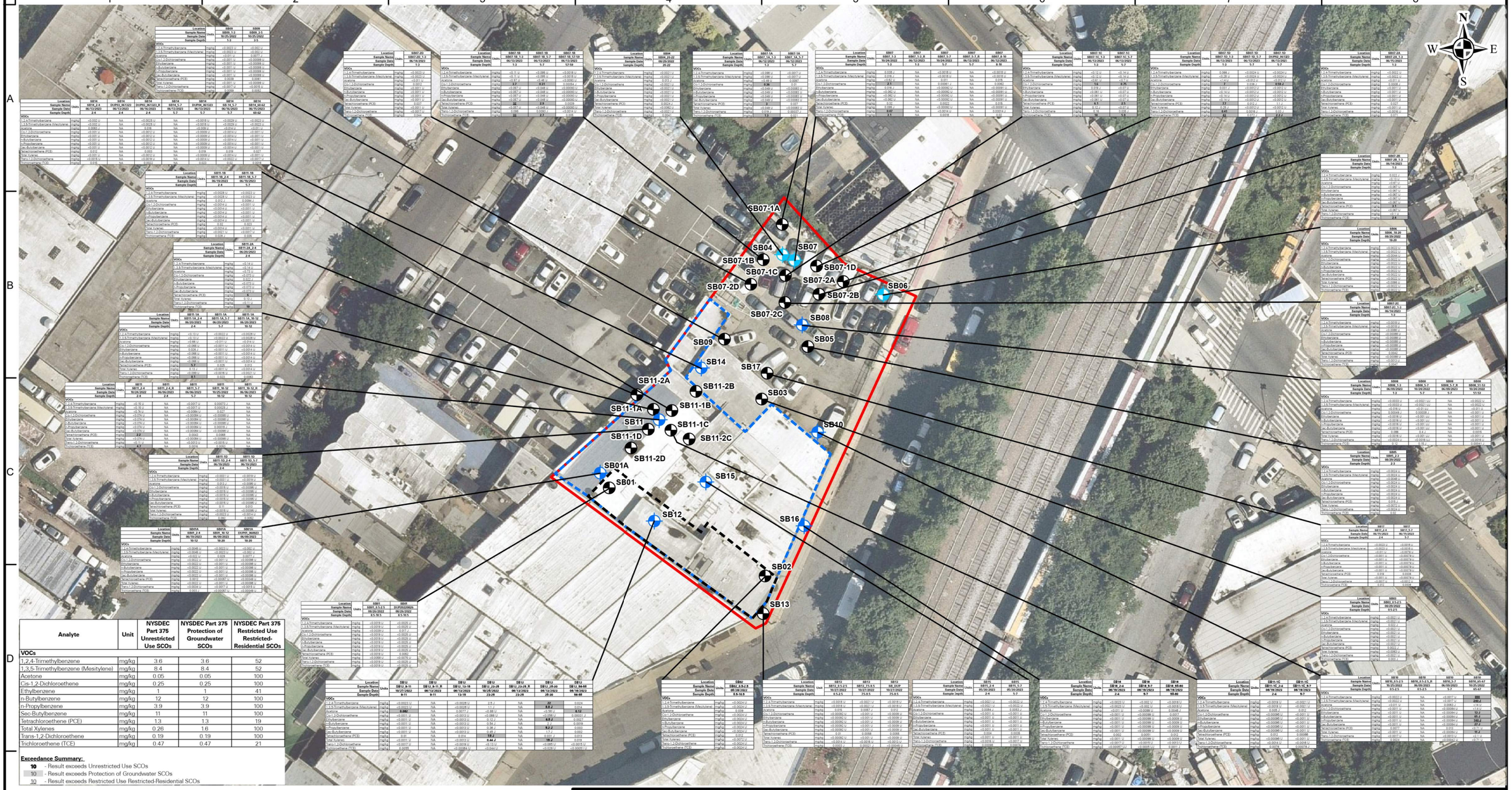
Item 3 – Site Drawings

The following Site drawings have been prepared and are provided within this attachment:

- Figure D-1A - Phase II and Remedial Investigation Soil Analytical Results – VOCs
- Figure D-1B - Phase II and Remedial Investigation Soil Analytical Results – SVOCs
- Figure D-1C - Phase II and Remedial Investigation Soil Analytical Results – Pesticides
- Figure D-1D - Phase II and Remedial Investigation Soil Analytical Results – Metals
- Figure D-1E - Phase II and Remedial Investigation Soil Analytical Results – PFAS
- Figure D-2A – Phase II and Remedial Investigation Groundwater Analytical Results – VOCs
- Figure D-2B – Phase II and Remedial Investigation Groundwater Analytical Results – SVOCs
- Figure D-2C – Phase II and Remedial Investigation Groundwater Analytical Results – Metals
- Figure D-2D – Phase II and Remedial Investigation Groundwater Analytical Results – PFAS
- Figure D-3 – Remedial Investigation Indoor Air and Sub-Slab Soil Vapor Analytical Results
- Figure D-4 – Remedial Investigation Soil Vapor Analytical Results

Item 4 – Past Land Uses

According to historic records, the building was formerly operated by Ridgewood Laundry Inc. between 1936 and 1950 and as a metal fabrication/manufacturing facility (including air conditioning manufacturing) between 1962 and 2006.



Analyte	Unit	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs
VOCs				
1,2,4-Trimethylbenzene	mg/kg	3.6	3.6	52
1,3,5-Trimethylbenzene (Mesitylene)	mg/kg	8.4	8.4	52
Acetone	mg/kg	0.05	0.05	100
Cis-1,2-Dichloroethene	mg/kg	0.25	0.25	100
Ethylbenzene	mg/kg	1	1	41
n-Butylbenzene	mg/kg	12	12	100
n-Propylbenzene	mg/kg	3.9	3.9	100
Sec-Butylbenzene	mg/kg	11	11	100
Tetrachloroethene (PCE)	mg/kg	1.3	1.3	19
Total Xylenes	mg/kg	0.26	1.6	100
Trans-1,2-Dichloroethene	mg/kg	0.19	0.19	100
Trichloroethene (TCE)	mg/kg	0.47	0.47	21

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs

10 - Result exceeds Protection of Groundwater SCOs

10 - Result exceeds Restricted Use Restricted-Residential SCOs

Legend

- Site Boundary
- Former Laundry Facility
- Partial Basement Extents
- Soil Boring Location
- Soil Boring/ Monitoring Well Location
- Soil Boring/ Temporary Monitoring Well Location

50 0 50

SCALE IN FEET

Notes:

1. Aerial imagery provided through Langan's subscription to Nearmap, dated July 19, 2022.
2. Parcel data provided by NYC MapPLUTO 22v2.
3. 2022 Phase II EI Sample locations obtained from the Phase II EI Report conducted by Langan Engineering, Environmental, Survey, Landscape Architecture, and Geology, D.P.C. dated 12/1/2022.
4. Sample locations for the RI were collected using GPS location techniques.

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Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

16-63 CODY AVENUE

BLOCK 3556, LOT 61

QUEENS NEW YORK

Drawing Title

PHASE II AND REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS – VOCS

Project No. 101015501

Date 11/1/2023

Scale 1"=50'

Drawn By PDT

Figure **D-1A**

Path: \\langan.com\data\PAR\data5\101015501\Project Data\ArcGIS\APRX\101015501\101015501.aprx Date: 11/1/2023 User: aruane Time: 1:11 PM

Location		SB14	SB14	SB14	SB14	SB14	SB14	SB14
Sample Name	Units	SB14_2-4	DUP03_061323	DUP03_061323_R	SB14_5-7	DUP04_061323	SB-14_5-7	SB14_60-62
Sample Date		06/13/2023	06/13/2023	06/16/2023	06/13/2023	06/13/2023	06/16/2023	06/15/2023
Sample Depth		2-4	2-4	2-4	5-7	5-7	5-7	60-62
SVOCs								
Benzo(a)anthracene	mg/kg	0.25	0.32	NA	0.14	0.049 J	NA	<0.12 U
Benzo(a)pyrene	mg/kg	0.29	0.31	NA	0.12 J	0.052 J	NA	<0.15 U
Benzo(b)fluoranthene	mg/kg	0.3	0.37	NA	0.14	0.061 J	NA	<0.12 U
Benzo(k)fluoranthene	mg/kg	0.089 J	0.12	NA	0.058 J	<0.11 U	NA	<0.12 U
Chrysene	mg/kg	0.24	0.33	NA	0.13	0.044 J	NA	<0.12 U
Dibenz(a,h)anthracene	mg/kg	0.033 J	0.043 J	NA	<0.1 U	<0.11 U	NA	<0.12 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.16	0.2	NA	0.073 J	0.041 J	NA	<0.15 U

Location		SB09	SB09
Sample Name	Units	SB09_1-3	SB09_3-5
Sample Date		10/25/2022	10/25/2022
Sample Depth		1-3	3-5
SVOCs			
Benzo(a)anthracene	mg/kg	**1.8**	<0.11 U
Benzo(a)pyrene	mg/kg	**2.4**	<0.15 U
Benzo(b)fluoranthene	mg/kg	**2.6**	<0.11 U
Benzo(k)fluoranthene	mg/kg	**0.96**	<0.11 U
Chrysene	mg/kg	**1.8**	<0.11 U
Dibenz(a,h)anthracene	mg/kg	0.29	<0.11 U
Indeno(1,2,3-cd)pyrene	mg/kg	**1.4**	<0.15 U

Location		SB07-1B	SB07-1B	SB07-1B
Sample Name	Units	SB07-1B_1-3	SB07-1B_5-7	SB07-1B_57-59
Sample Date		06/13/2023	06/13/2023	06/13/2023
Sample Depth		1-3	5-7	57-59
SVOCs				
Benzo(a)anthracene	mg/kg	NA	NA	0.27
Benzo(a)pyrene	mg/kg	NA	NA	0.26
Benzo(b)fluoranthene	mg/kg	NA	NA	0.28
Benzo(k)fluoranthene	mg/kg	NA	NA	0.096 J
Chrysene	mg/kg	NA	NA	0.25
Dibenz(a,h)anthracene	mg/kg	NA	NA	0.027 J
Indeno(1,2,3-cd)pyrene	mg/kg	NA	NA	0.16

Location		SB04
Sample Name	Units	SB04_20-22
Sample Date		08/29/2022
Sample Depth		20-22
SVOCs		
Benzo(a)anthracene	mg/kg	<0.0441 U
Benzo(a)pyrene	mg/kg	<0.0441 U
Benzo(b)fluoranthene	mg/kg	<0.0441 U
Benzo(k)fluoranthene	mg/kg	<0.0441 U
Chrysene	mg/kg	<0.0441 U
Dibenz(a,h)anthracene	mg/kg	<0.0441 U
Indeno(1,2,3-cd)pyrene	mg/kg	<0.0441 U

Location		SB07	SB07	SB07	SB07	SB07	SB07
Sample Name	Units	SB07_1-3	SB07_1-3_R	SB07_5-7	SB07_5-7_R	SB07_8-10	
Sample Date		10/24/2022	06/12/2023	10/24/2022	06/12/2023	06/12/2023	
Sample Depth		1-3	1-3	5-7	5-7	8-10	
SVOCs							
Benzo(a)anthracene	mg/kg	**1.3**	NA	<0.11 U	NA	NA	
Benzo(a)pyrene	mg/kg	**1.6**	NA	<0.14 U	NA	NA	
Benzo(b)fluoranthene	mg/kg	**2.2**	NA	<0.11 U	NA	NA	
Benzo(k)fluoranthene	mg/kg	0.64	NA	<0.11 U	NA	NA	
Chrysene	mg/kg	**1.4**	NA	<0.11 U	NA	NA	
Dibenz(a,h)anthracene	mg/kg	0.3 J	NA	<0.11 U	NA	NA	
Indeno(1,2,3-cd)pyrene	mg/kg	**1.5**	NA	<0.14 U	NA	NA	

Location		SB11	SB11	SB11	SB11	SB11
Sample Name	Units	SB11_2-4	SB11_2-4_R	SB11_5-7	SB11_10-12	SB11_10-12_R
Sample Date		10/24/2022	06/06/2023	06/06/2023	10/25/2022	06/06/2023
Sample Depth		2-4	2-4	5-7	10-12	10-12
SVOCs						
Benzo(a)anthracene	mg/kg	**3.5**	NA	NA	<0.12 U	NA
Benzo(a)pyrene	mg/kg	**2.6**	NA	NA	<0.15 U	NA
Benzo(b)fluoranthene	mg/kg	**4.7**	NA	NA	<0.12 U	NA
Benzo(k)fluoranthene	mg/kg	**1.4**	NA	NA	<0.12 U	NA
Chrysene	mg/kg	**4.4**	NA	NA	<0.12 U	NA
Dibenz(a,h)anthracene	mg/kg	**0.46**	NA	NA	<0.12 U	NA
Indeno(1,2,3-cd)pyrene	mg/kg	**1.8**	NA	NA	<0.15 U	NA

Location		SB01A	SB01A	SB01A
Sample Name	Units	SB01_2-4	SB01_10-12	DUP01_060923
Sample Date		06/19/2023	06/09/2023	06/09/2023
Sample Depth		10-12	18-20	18-20
SVOCs				
Benzo(a)anthracene	mg/kg	**2.2**	**4.4**	**6.2**
Benzo(a)pyrene	mg/kg	**2.1**	**3.2**	**4.5**
Benzo(b)fluoranthene	mg/kg	**2.3**	**4.3**	**6.3**
Benzo(k)fluoranthene	mg/kg	0.68	**0.92**	**1.1**
Chrysene	mg/kg	**2**	**4.1**	**5.4**
Dibenz(a,h)anthracene	mg/kg	0.33	**0.43**	**0.59**
Indeno(1,2,3-cd)pyrene	mg/kg	**1.1**	**2.1**	**2.7**

Location		SB08	SB08	SB08	SB08
Sample Name	Units	SB08_1-3	SB08_5-7	SB08_5-7_R	SB08_51-53
Sample Date		06/09/2023	10/24/2022	06/09/2023	10/24/2022
Sample Depth		1-3	5-7	5-7	51-53
SVOCs					
Benzo(a)anthracene	mg/kg	**4.5**	0.67	NA	<0.1 U
Benzo(a)pyrene	mg/kg	**4.4**	0.82	NA	<0.14 U
Benzo(b)fluoranthene	mg/kg	**5.5**	0.96	NA	<0.1 U
Benzo(k)fluoranthene	mg/kg	**1.8**	0.34	NA	<0.1 U
Chrysene	mg/kg	**4.1**	0.7	NA	<0.1 U
Dibenz(a,h)anthracene	mg/kg	**0.66**	0.095 J	NA	<0.1 U
Indeno(1,2,3-cd)pyrene	mg/kg	**3.3**	**0.51**	NA	<0.14 U

Location		SB01	SB01
Sample Name	Units	SB01_0.5-2.5	DUP20220826
Sample Date		08/26/2022	08/26/2022
Sample Depth		8.5-10.5	8.5-10.5
SVOCs			
Benzo(a)anthracene	mg/kg	0.106 J	**1.86 J**
Benzo(a)pyrene	mg/kg	0.0829 J	**1.39 J**
Benzo(b)fluoranthene	mg/kg	0.0521 J	0.762 J
Benzo(k)fluoranthene	mg/kg	0.0661 J	**1.34 J**
Chrysene	mg/kg	0.106 J	**1.95 J**
Dibenz(a,h)anthracene	mg/kg	<0.046 U	0.248 D
Indeno(1,2,3-cd)pyrene	mg/kg	<0.046 UJ	0.5 J

Location		SB05
Sample Name	Units	SB05_2-3
Sample Date		08/29/2022
Sample Depth		2-3
SVOCs		
Benzo(a)anthracene	mg/kg	0.229 D
Benzo(a)pyrene	mg/kg	0.203 D
Benzo(b)fluoranthene	mg/kg	0.162 D
Benzo(k)fluoranthene	mg/kg	0.187 D
Chrysene	mg/kg	0.22 D
Dibenz(a,h)anthracene	mg/kg	<0.0459 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.102 D

Location		SB15	SB15
Sample Name	Units	SB15_2-4	SB15_5-7
Sample Date		05/30/2023	05/30/2023
Sample Depth		2-4	5-7
SVOCs			
Benzo(a)anthracene	mg/kg	<0.12 U	<0.12 U
Benzo(a)pyrene	mg/kg	<0.16 U	<0.16 U
Benzo(b)fluoranthene	mg/kg	<0.12 U	<0.12 U
Benzo(k)fluoranthene	mg/kg	<0.12 U	<0.12 U
Chrysene	mg/kg	<0.12 U	<0.12 U
Dibenz(a,h)anthracene	mg/kg	<0.12 U	<0.12 U
Indeno(1,2,3-cd)pyrene	mg/kg	<0.16 U	<0.16 U

Location		SB17	SB17
Sample Name	Units	SB17_2-4	SB17_5-7
Sample Date		06/15/2023	06/15/2023
Sample Depth		2-4	5-7
SVOCs			
Benzo(a)anthracene	mg/kg	0.028 J	<0.11 U
Benzo(a)pyrene	mg/kg	<0.15 U	<0.14 U
Benzo(b)fluoranthene	mg/kg	0.032 J	<0.11 U
Benzo(k)fluoranthene	mg/kg	<0.11 U	<0.11 U
Chrysene	mg/kg	0.026 J	<0.11 U
Dibenz(a,h)anthracene	mg/kg	<0.11 U	<0.11 U
Indeno(1,2,3-cd)pyrene	mg/kg	<0.15 U	<0.14 U

Location		SB12	SB12	SB12	SB12	SB12	SB12	SB12
Sample Name	Units	SB12_9-11	SB12_9-11_R	SB12_13-15	SB12_23-25	SB12_23-25_R	SB12_28-30	SB12_56-58
Sample Date		10/27/2022	06/13/2023	06/13/2023	10/28/2022	06/13/2023	06/13/2023	06/16/2023
Sample Depth		9-11	9-11	13-15	23-25	23-25	28-30	56-58
SVOCs								
Benzo(a)anthracene	mg/kg	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U
Benzo(a)pyrene	mg/kg	<0.15 U	NA	NA	<0.15 U	NA	NA	<0.15 U
Benzo(b)fluoranthene	mg/kg	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U
Benzo(k)fluoranthene	mg/kg	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U
Chrysene	mg/kg	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U
Dibenz(a,h)anthracene	mg/kg	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U
Indeno(1,2,3-cd)pyrene	mg/kg	<0.15 U	NA	NA	<0.15 U	NA	NA	<0.15 U

Location		SB03
Sample Name	Units	SB03_0.5-2.5
Sample Date		08/29/2022
Sample Depth		0.5-2.5
SVOCs		
Benzo(a)anthracene	mg/kg	0.0554 JD
Benzo(a)pyrene	mg/kg	0.0547 JD
Benzo(b)fluoranthene	mg/kg	0.0459 JD
Benzo(k)fluoranthene	mg/kg	<0.0457 U
Chrysene	mg/kg	0.054 JD
Dibenz(a,h)anthracene	mg/kg	<0.0457 U
Indeno(1,2,3-cd)pyrene	mg/kg	<0.0457 U

Analyte	Unit	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs
SVOCs				
Benzo(a)anthracene	mg/kg	1	1	1
Benzo(a)pyrene	mg/kg	1	22	1
Benzo(b)fluoranthene	mg/kg	1	1.7	1
Benzo(k)fluoranthene	mg/kg	0.8	1.7	3.9
Chrysene	mg/kg	1	1	3.9
Dibenz(a,h)anthracene	mg/kg	0.33	1000	0.33
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	8.2	0.5

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs

10 - Result exceeds Protection of Groundwater SCOs

10 - Result exceeds Restricted Use Restricted-Residential SCOs

Location		SB02
Sample Name	Units	SB02_0.5-2.5
Sample Date		08/26/2022
Sample Depth		8.5-10.5
SVOCs		
Benzo(a)anthracene	mg/kg	<0.0435 U
Benzo(a)pyrene	mg/kg	<0.0435 U
Benzo(b)fluoranthene	mg/kg	<0.0435 U
Benzo(k)fluoranthene	mg/kg	<0.0435 U
Chrysene	mg/kg	<0.0435 U
Dibenz(a,h)anthracene	mg/kg	<0.0435 U
Indeno(1,2,3-cd)pyrene	mg/kg	<0.0435 U

Location		SB13	SB13	SB13
Sample Name	Unit	SB13_0.5-2.5	SB13_75-9.5	SB_DUP
Sample Date		10/27/2022	10/27/2022	10/27/2022
Sample Depth		0.5-2.5	75-9.5	75-9.5
SVOCs				
Benzo(a)anthracene	mg/kg	<0.11 U	<0.11 U	<0.11 U
Benzo(a)pyrene	mg/kg	<0.15 U	<0.14 U	<0.14 U
Benzo(b)fluoranthene	mg/kg	<0.11 U	<0.11 U	<0.11 U
Benzo(k)fluoranthene	mg/kg	<0.11 U	<0.11 U	<0.11 U
Chrysene	mg/kg	<0.11 U	<0.11 U	<0.11 U
Dibenz(a,h)anthracene	mg/kg	<0.11 U	<0.11 U	<0.11 U
Indeno(1,2,3-cd)pyrene	mg/kg	<0.15 U	<0.14 U	<0.14 U

Location		SB16	SB16	SB16
Sample Name	Units	SB16_2-4	SB16_5-7	SB16_58-60
Sample Date		06/19/2023	06/19/2023	06/19/2023
Sample Depth		2-4	5-7	58-60
SVOCs				
Benzo(a)anthracene	mg/kg	0.48	<0.12 U	<0.11 U
Benzo(a)pyrene	mg/kg	0.53	<0.16 U	<0.15 U
Benzo(b)fluoranthene	mg/kg	0.58	<0.12 U	<0.11 U
Benzo(k)fluoranthene	mg/kg	0.23	<0.12 U	<0.11 U
Chrysene	mg/kg	0.48	<0.12 U	<0.11 U
Dibenz(a,h)anthracene	mg/kg	0.083 J	<0.12 U	<0.11 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.3	<0.16 U	<0.15 U

Location		SB10	SB10	SB10	SB10
Sample Name	Units	SB10_0.5-2.5	SB10_0.5-2.5_R	SB10_5-7	SB10_65-67
Sample Date		10/25/2022	06/09/2023	06/09/2023	10/25/2022
Sample Depth		0.5-2.5	0.5-2.5	5-7	65-67
SVOCs					
Benzo(a)anthracene	mg/kg	0.38	NA	<0.11 U	<0.11 U
Benzo(a)pyrene	mg/kg	0.44	NA	<0.14 U	<0.14 U
Benzo(b)fluoranthene	mg/kg	0.5	NA	<0.11 U	<0.11 U
Benzo(k)fluoranthene	mg/kg	0.16	NA	<0.11 U	<0.11 U
Chrysene	mg/kg	0.39	NA	<0.11 U	<0.11 U
Dibenz(a,h)anthracene	mg/kg	0.058 J	NA	<0.11 U	<0.11 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.28	NA	<0.14 U	<0.14 U

Legend

- Site Boundary
- Former Laundry Facility
- Partial Basement Extents
- Soil Boring Location
- Soil Boring/ Monitoring Well Location
- Soil Boring/ Temporary Monitoring Well Location

50 0 50

SCALE IN FEET

Notes:
1. Aerial imagery provided through Langan's subscription to Nearmap, dated July 19, 2022.
2. Parcel data provided by NYC MapPLUTO 22v2.
3. 2022 Phase II EI Sample locations obtained from the Phase II EI Report conducted by Langan Engineering, Environmental, Survey, Landscape Architecture, and Geology, D.P.C. dated 12/1/2022.
4. Sample locations for the RI were collected using GPS location techniques.

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Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

16-63 CODY AVENUE

BLOCK 3556, LOT 61

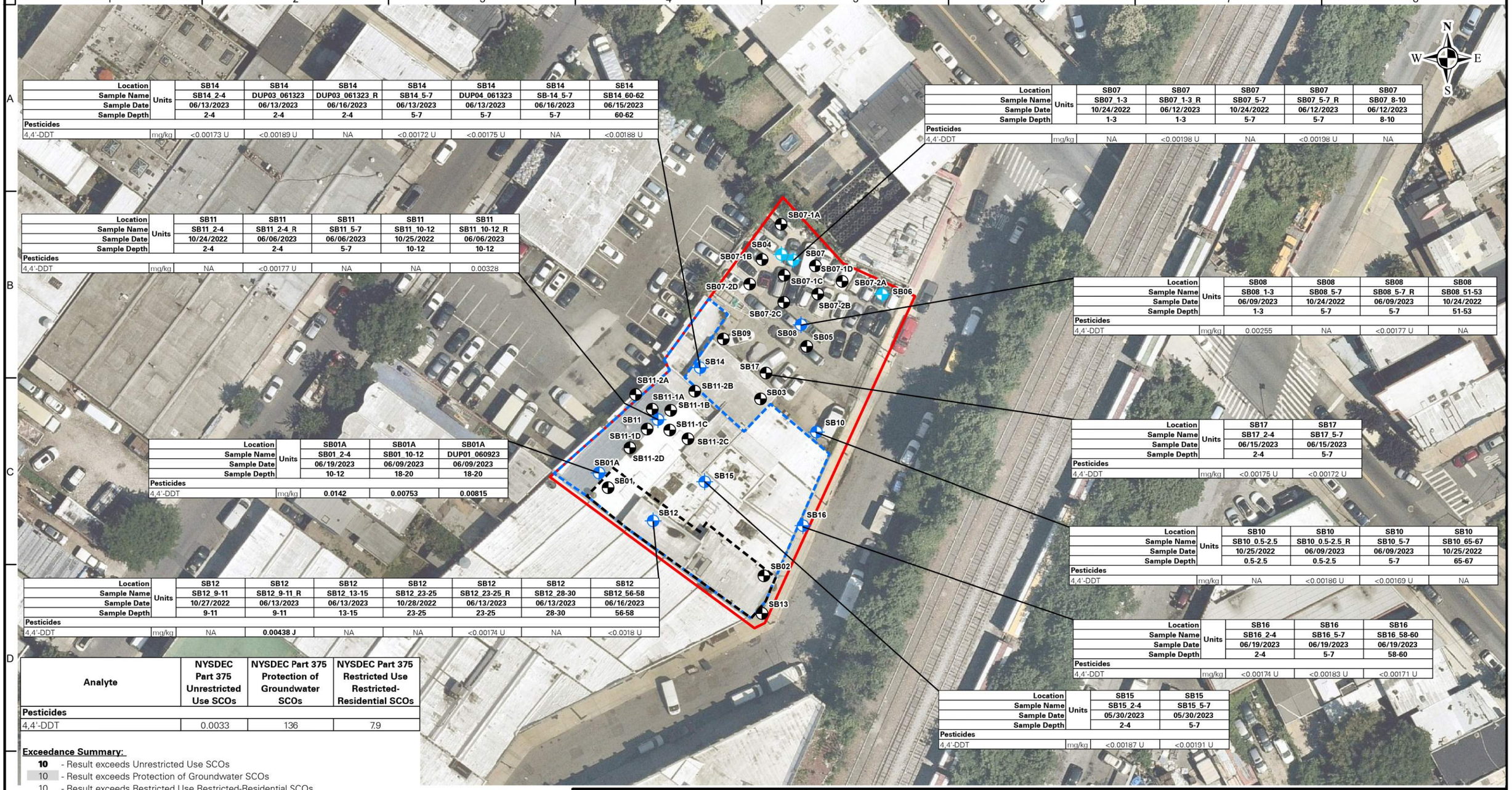
QUEENS NEW YORK

Drawing Title

PHASE II AND REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS – SVOCS

Project No.	101015501
Date	11/1/2023
Scale	1"=50'
Drawn By	PDT
Figure	D-1B

Path: \\langan.com\data\PAR\data5\101015501\Project Data\ArcGIS\APRX\101015501\101015501.aprx Date: 11/1/2023 User: aruane Time: 1:26 PM



Location		SB14	SB14	SB14	SB14	SB14	SB14	SB14
Sample Name	Units	SB14_2-4	DUP03_061323	DUP03_061323_R	SB14_5-7	DUP04_061323	SB-14_5-7	SB14_60-62
Sample Date		06/13/2023	06/13/2023	06/16/2023	06/13/2023	06/13/2023	06/16/2023	06/15/2023
Sample Depth		2-4	2-4	2-4	5-7	5-7	5-7	60-62
Pesticides								
4,4'-DDT	mg/kg	<0.00173 U	<0.00189 U	NA	<0.00172 U	<0.00175 U	NA	<0.00188 U

Location		SB07	SB07	SB07	SB07	SB07
Sample Name	Units	SB07_1-3	SB07_1-3_R	SB07_5-7	SB07_5-7_R	SB07_8-10
Sample Date		10/24/2022	06/12/2023	10/24/2022	06/12/2023	06/12/2023
Sample Depth		1-3	1-3	5-7	5-7	8-10
Pesticides						
4,4'-DDT	mg/kg	NA	<0.00198 U	NA	<0.00198 U	NA

Location		SB11	SB11	SB11	SB11	SB11
Sample Name	Units	SB11_2-4	SB11_2-4_R	SB11_5-7	SB11_10-12	SB11_10-12_R
Sample Date		10/24/2022	06/06/2023	06/06/2023	10/25/2022	06/06/2023
Sample Depth		2-4	2-4	5-7	10-12	10-12
Pesticides						
4,4'-DDT	mg/kg	NA	<0.00177 U	NA	NA	0.00328

Location		SB08	SB08	SB08	SB08
Sample Name	Units	SB08_1-3	SB08_5-7	SB08_5-7_R	SB08_51-53
Sample Date		06/09/2023	10/24/2022	06/09/2023	10/24/2022
Sample Depth		1-3	5-7	5-7	51-53
Pesticides					
4,4'-DDT	mg/kg	0.00255	NA	<0.00177 U	NA

Location		SB01A	SB01A	SB01A
Sample Name	Units	SB01_2-4	SB01_10-12	DUP01_060923
Sample Date		06/19/2023	06/09/2023	06/09/2023
Sample Depth		10-12	18-20	18-20
Pesticides				
4,4'-DDT	mg/kg	**0.0142**	**0.00753**	**0.00815**

Location		SB17	SB17
Sample Name	Units	SB17_2-4	SB17_5-7
Sample Date		06/15/2023	06/15/2023
Sample Depth		2-4	5-7
Pesticides			
4,4'-DDT	mg/kg	<0.00175 U	<0.00172 U

Location		SB12	SB12	SB12	SB12	SB12	SB12	SB12
Sample Name	Units	SB12_9-11	SB12_9-11_R	SB12_13-15	SB12_23-25	SB12_23-25_R	SB12_28-30	SB12_56-58
Sample Date		10/27/2022	06/13/2023	06/13/2023	10/28/2022	06/13/2023	06/13/2023	06/16/2023
Sample Depth		9-11	9-11	13-15	23-25	23-25	28-30	56-58
Pesticides								
4,4'-DDT	mg/kg	NA	**0.00438 J**	NA	NA	<0.00174 U	NA	<0.0018 U

Location		SB10	SB10	SB10	SB10
Sample Name	Units	SB10_0.5-2.5	SB10_0.5-2.5_R	SB10_5-7	SB10_65-67
Sample Date		10/25/2022	06/09/2023	06/09/2023	10/25/2022
Sample Depth		0.5-2.5	0.5-2.5	5-7	65-67
Pesticides					
4,4'-DDT	mg/kg	NA	<0.00186 U	<0.00169 U	NA

Location		SB16	SB16	SB16
Sample Name	Units	SB16_2-4	SB16_5-7	SB16_58-60
Sample Date		06/19/2023	06/19/2023	06/19/2023
Sample Depth		2-4	5-7	58-60
Pesticides				
4,4'-DDT	mg/kg	<0.00174 U	<0.00183 U	<0.00171 U

Location		SB15	SB15
Sample Name	Units	SB15_2-4	SB15_5-7
Sample Date		05/30/2023	05/30/2023
Sample Depth		2-4	5-7
Pesticides			
4,4'-DDT	mg/kg	<0.00187 U	<0.00191 U

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs
Pesticides			
4,4'-DDT	0.0033	136	7.9

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

Legend

- Site Boundary
- Former Laundry Facility
- Partial Basement Extents
- Soil Boring Location
- Soil Boring/ Monitoring Well Location
- Soil Boring/ Temporary Monitoring Well Location

50 0 50
SCALE IN FEET

Notes:
1. Aerial imagery provided through Langan's subscription to Nearmap, dated July 19, 2022.
2. Parcel data provided by NYC MapPLUTO 22v2.
3. 2022 Phase II EI Sample locations obtained from the Phase II EI Report conducted by Langan Engineering, Environmental, Survey, Landscape Architecture, and Geology, D.P.C. dated 12/1/2022.
4. Sample locations for the RI were collected using GPS location techniques.

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NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
16-63 CODY AVENUE
BLOCK 3556, LOT 61
QUEENS NEW YORK

Drawing Title
PHASE II AND REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS – PESTICIDES

Project No. 101015501
Date 11/1/2023
Scale 1"=50'
Drawn By PDT
Figure **D-1C**

Location		SB09	SB09
Sample Name	Units	SB09_1-3	SB09_3-5
Sample Date		10/25/2022	10/25/2022
Sample Depth		1-3	3-5
Metals			
Arsenic	mg/kg	5.13	2.82
Barium	mg/kg	90.5	41.3
Cadmium	mg/kg	0.098 J	0.126 J
Copper	mg/kg	**94.8**	116
Lead	mg/kg	**476**	18.2
Mercury	mg/kg	**0.888**	0.08
Nickel	mg/kg	19.4	19.1
Selenium	mg/kg	<1.91 U	<1.75 U
Silver	mg/kg	<0.478 U	<0.437 U
Zinc	mg/kg	**336**	**366**

Location		SB07-1B	SB07-1B	SB07-1B
Sample Name	Units	SB07-1B_1-3	SB07-1B_5-7	SB07-1B_57-59
Sample Date		06/13/2023	06/13/2023	06/13/2023
Sample Depth		1-3	5-7	57-59
Metals				
Arsenic	mg/kg	NA	NA	0.976 J
Barium	mg/kg	NA	NA	174
Cadmium	mg/kg	NA	NA	0.126 J
Chromium, Trivalent	mg/kg	NA	NA	8.23
Copper	mg/kg	NA	NA	7.33
Lead	mg/kg	NA	NA	2.54 J
Mercury	mg/kg	NA	NA	<0.084 U
Nickel	mg/kg	NA	NA	6.38 J
Selenium	mg/kg	NA	NA	<1.72 U
Silver	mg/kg	NA	NA	<0.43 U
Zinc	mg/kg	NA	NA	21

Location		SB07	SB07	SB07	SB07	SB07
Sample Name	Units	SB07_1-3	SB07_1-3_R	SB07_5-7	SB07_5-7_R	SB07_8-10
Sample Date		10/24/2022	06/12/2023	10/24/2022	06/12/2023	06/12/2023
Sample Depth		1-3	1-3	5-7	5-7	8-10
Metals						
Arsenic	mg/kg	**29.5**	NA	1.48	NA	NA
Barium	mg/kg	189	NA	17	NA	NA
Cadmium	mg/kg	**3.73**	NA	<0.812 U	NA	NA
Copper	mg/kg	**537**	NA	9.83	NA	NA
Lead	mg/kg	**499**	NA	2.18 J	NA	NA
Mercury	mg/kg	0.148	NA	<0.07 U	NA	NA
Nickel	mg/kg	**42.1**	NA	6.53	NA	NA
Selenium	mg/kg	1.17 J	NA	<1.62 U	NA	NA
Silver	mg/kg	0.698	NA	<0.406 U	NA	NA
Zinc	mg/kg	**1,990**	NA	11.2	NA	NA

Location		SB14	SB14	SB14	SB14	SB14	SB14	SB14
Sample Name	Units	SB14_2-4	DUP03_061323	DUP03_061323_R	SB14_5-7	DUP04_061323	SB-14_5-7	SB14_60-62
Sample Date		06/13/2023	06/13/2023	06/16/2023	06/13/2023	06/13/2023	06/16/2023	06/15/2023
Sample Depth		2-4	2-4	2-4	5-7	5-7	5-7	60-62
Metals								
Arsenic	mg/kg	4.1	3.64	NA	3.16	3.07	NA	1.25
Barium	mg/kg	61.9	575	NA	40.1	43.7	NA	36.1
Cadmium	mg/kg	1.4	0.827 J	NA	0.206 J	0.221 J	NA	0.292 J
Chromium, Trivalent	mg/kg	13.3 J	15.4 J	NA	16.1 J	15.6 J	NA	20.6
Copper	mg/kg	**54.4**	43.4	NA	17.1	15.8	NA	12.2
Lead	mg/kg	**177**	**116**	NA	**69.4**	61.5	NA	3.86 J
Mercury	mg/kg	**0.409**	**0.288**	NA	0.104	0.084 J	NA	<0.088 U
Nickel	mg/kg	9.4	11.1	NA	19.8	22.1	NA	9.03
Selenium	mg/kg	<1.67 U	0.381 J	NA	<1.71 U	<1.74 U	NA	0.657 J
Silver	mg/kg	1.18	**2.03**	NA	<0.427 U	<0.435 U	NA	0.434 J
Zinc	mg/kg	**442**	**203**	NA	39.7	41.4	NA	19.4

Location		SB08	SB08	SB08	SB08
Sample Name	Units	SB08_1-3	SB08_5-7	SB08_5-7_R	SB08_51-53
Sample Date		06/09/2023	10/24/2022	06/09/2023	10/24/2022
Sample Depth		1-3	5-7	5-7	51-53
Metals					
Arsenic	mg/kg	**102**	**31.8**	NA	0.946
Barium	mg/kg	**1,140 J**	69	NA	172
Cadmium	mg/kg	2.34	0.288 J	NA	<0.814 U
Copper	mg/kg	**308**	**66.5**	NA	6.6
Lead	mg/kg	**299**	**213**	NA	2.46 J
Mercury	mg/kg	**0.19**	**0.817**	NA	<0.066 U
Nickel	mg/kg	**30.2**	11	NA	17.5
Selenium	mg/kg	**5.02 J**	1.08 J	NA	<1.63 U
Silver	mg/kg	<4.27 UJ	0.41 J	NA	<0.407 U
Zinc	mg/kg	**1,480 J**	878	NA	11.8

Location		SB11	SB11	SB11	SB11	SB11
Sample Name	Units	SB11_2-4	SB11_2-4_R	SB11_5-7	SB11_10-12	SB11_10-12_R
Sample Date		10/24/2022	06/06/2023	06/06/2023	10/25/2022	06/06/2023
Sample Depth		2-4	2-4	5-7	10-12	10-12
Metals						
Arsenic	mg/kg	4.92	NA	NA	1.7	NA
Barium	mg/kg	**426**	NA	NA	33.3	NA
Cadmium	mg/kg	0.816	NA	NA	0.173 J	NA
Copper	mg/kg	**85.3**	NA	NA	16.2	NA
Lead	mg/kg	**352**	NA	NA	4.48 J	NA
Mercury	mg/kg	**0.31**	NA	NA	<0.076 U	NA
Nickel	mg/kg	7.38	NA	NA	9.1	NA
Selenium	mg/kg	<1.59 U	NA	NA	<1.8 U	NA
Silver	mg/kg	0.399	NA	NA	<0.451 U	NA
Zinc	mg/kg	**390**	NA	NA	76.7	NA

Location		SB10	SB10	SB10	SB10
Sample Name	Units	SB10_0.5-2.5	SB10_0.5-2.5_R	SB10_5-7	SB10_65-67
Sample Date		10/25/2022	06/09/2023	06/09/2023	10/25/2022
Sample Depth		0.5-2.5	0.5-2.5	5-7	65-67
Metals					
Arsenic	mg/kg	4.22	NA	3.48	0.552 J
Barium	mg/kg	54.6	NA	35.6	18.2
Cadmium	mg/kg	<0.912 U	NA	0.221 J	<0.82 U
Copper	mg/kg	43.8	NA	19.8	7.88
Lead	mg/kg	**104**	NA	36.8	2.78 J
Mercury	mg/kg	**0.503**	NA	**0.45**	<0.071 U
Nickel	mg/kg	10.9	NA	11.4	5.62
Selenium	mg/kg	<1.82 U	NA	0.445 J	<1.64 U
Silver	mg/kg	<0.456 U	NA	<0.42 U	<0.41 U
Zinc	mg/kg	87.4	NA	51.8	12.2

Location		SB17	SB17
Sample Name	Units	SB17_2-4	SB17_5-7
Sample Date		06/15/2023	06/15/2023
Sample Depth		2-4	5-7
Metals			
Arsenic	mg/kg	3.24	0.968 J
Barium	mg/kg	41.6	24
Cadmium	mg/kg	0.214 J	0.088 J
Chromium, Trivalent	mg/kg	16.9 J	12.5 J
Copper	mg/kg	20.4	6.93
Lead	mg/kg	42.9	8.5
Mercury	mg/kg	0.17	<0.078 U
Nickel	mg/kg	9.77	10.1
Selenium	mg/kg	0.46 J	0.228 J
Silver	mg/kg	<0.453 U	<0.424 U
Zinc	mg/kg	88.8 J	24.5

Location		SB01A	SB01A	SB01A
Sample Name	Units	SB01_2-4	SB01_10-12	DUP01_060923
Sample Date		06/19/2023	06/09/2023	06/09/2023
Sample Depth		10-12	18-20	18-20
Metals				
Arsenic	mg/kg	9.56	3.66	5.13
Barium	mg/kg	108	69	106
Cadmium	mg/kg	0.805 J	0.491 J	0.704 J
Chromium, Trivalent	mg/kg	**239 J**	**42.4**	**30.2**
Copper	mg/kg	**100**	**128**	**118**
Lead	mg/kg	**97.8**	**209**	**199**
Mercury	mg/kg	0.141	**0.277**	**0.182**
Nickel	mg/kg	**116**	13.6	18.9
Selenium	mg/kg	1.1 J	0.552 J	0.645 J
Silver	mg/kg	<0.547 U	<0.442 U	0.283 J
Zinc	mg/kg	**591**	**327**	**539**

Location		SB16	SB16	SB16
Sample Name	Units	SB16_2-4	SB16_5-7	SB16_58-60
Sample Date		06/19/2023	06/19/2023	06/19/2023
Sample Depth		2-4	5-7	58-60
Metals				
Arsenic	mg/kg	2.96	3.97	0.963
Barium	mg/kg	60.1	50.2	22.5
Cadmium	mg/kg	0.123 J	0.129 J	<0.893 U
Chromium, Trivalent	mg/kg	20.2 J	15.7	9.34 J
Copper	mg/kg	9.13	9.47	12.4
Lead	mg/kg	28.1	58.5	2.83 J
Mercury	mg/kg	**0.333**	0.102	<0.082 U
Nickel	mg/kg	10.1	8.6	6.77
Selenium	mg/kg	<1.68 U	0.597 J	<1.79 U
Silver	mg/kg	<0.42 U	<0.459 U	<0.446 U
Zinc	mg/kg	28.6	30.1	12.6

Location		SB15	SB15
Sample Name	Units	SB15_2-4	SB15_5-7
Sample Date		05/30/2023	05/30/2023
Sample Depth		2-4	5-7
Metals			
Arsenic	mg/kg	1.76	1.88
Barium	mg/kg	12	9.47
Cadmium	mg/kg	<0.918 U	<0.956 U
Chromium, Trivalent	mg/kg	14 J	9.64 J
Copper	mg/kg	11.4	9.73
Lead	mg/kg	8.35	3.52 J
Mercury	mg/kg	<0.083 U	<0.096 U
Nickel	mg/kg	11.7	8.69
Selenium	mg/kg	<1.84 U	<1.91 U
Silver	mg/kg	<0.459 U	<0.478 U
Zinc	mg/kg	25	21.5

Location		SB13	SB13	SB13
Sample Name	Unit	SB13_0.5-2.5	SB13_7.5-9.5	SB_DUP
Sample Date		10/27/2022	10/27/2022	10/27/2022
Sample Depth		0.5-2.5	7.5-9.5	7.5-9.5
Metals				
Arsenic	mg/kg	3.55	2	1.62
Barium	mg/kg	40.1	20.7	21.2
Cadmium	mg/kg	0.269 J	0.122 J	0.162 J
Copper	mg/kg	14.1 J	6.64	9.25
Lead	mg/kg	**85.6 J**	4.93	5.17
Mercury	mg/kg	0.092	<0.075 U	<0.074 U
Nickel	mg/kg	6.52	5.72	7.88
Selenium	mg/kg	<1.74 U	<1.75 U	<1.71 U
Silver	mg/kg	<0.434 U	<0.437 U	<0.427 U
Zinc	mg/kg	42.2 J	13.1 J	22.3 J

Location		SB12	SB12	SB12	SB12	SB12	SB12	SB12
Sample Name	Units	SB12_9-11	SB12_9-11_R	SB12_13-15	SB12_23-25	SB12_23-25_R	SB12_28-30	SB12_56-58
Sample Date		10/27/2022	06/13/2023	06/13/2023	10/28/2022	06/13/2023	06/13/2023	06/16/2023
Sample Depth		9-11	9-11	13-15	23-25	23-25	28-30	56-58
Metals								
Arsenic	mg/kg	2.78	NA	NA	1.56	NA	NA	0.471 J
Barium	mg/kg	16.8	NA	NA	38.8	NA	NA	14.9
Cadmium	mg/kg	0.179 J	NA	NA	0.17 J	NA	NA	0.144 J
Chromium, Trivalent	mg/kg	NA	NA	NA	NA	NA	NA	8.67 J
Copper	mg/kg	8.8	NA	NA	12.9	NA	NA	8.67
Lead	mg/kg	7.18	NA	NA	3.94 J	NA	NA	2.18 J
Mercury	mg/kg	<0.076 U	NA	NA	<0.073 U	NA	NA	<0.073 U
Nickel	mg/kg	12	NA	NA	11.2	NA	NA	7.47
Selenium	mg/kg	<1.79 U	NA	NA	0.481 J	NA	NA	<1.75 U
Silver	mg/kg	<0.448 U	NA	NA	<0.447 U	NA	NA	<0.438 U
Zinc	mg/kg	25	NA	NA	25.7	NA	NA	12.8

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs
Metals			
Arsenic	13	16	16
Barium	350	820	400
Cadmium	2.5	7.5	4.3
Chromium, Trivalent	30	NS	180
Copper	50	1720	270
Lead	63	450	400
Mercury	0.18	0.73	0.81
Nickel	30	130	310
Selenium	3.9	4	180
Silver	2	8.3	180
Zinc	109	2480	10000

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs

10 - Result exceeds Protection of Groundwater SCOs

10 - Result exceeds Restricted Use Restricted-Residential SCOs

Legend

- Site Boundary
- Former Laundry Facility
- Partial Basement Extents
- Soil Boring Location
- Soil Boring/ Monitoring Well Location
- Soil Boring/ Temporary Monitoring Well Location

50 0 50

SCALE IN FEET

Notes:
1. Aerial imagery provided through Langan's subscription to Nearmap, dated July 19, 2022.
2. Parcel data provided by NYC MapPLUTO 22v2.
3. 2022 Phase II EI Sample locations obtained from the Phase II EI Report conducted by Langan Engineering, Environmental, Survey, Landscape Architecture, and Geology, D.P.C. dated 12/1/2022.
4. Sample locations for the RI were collected using GPS location techniques.

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Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project: **16-63 CODY AVENUE**

BLOCK 3556, LOT 61

QUEENS NEW YORK

Drawing Title: **PHASE II AND REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS – METALS**

Project No. 101015501

Date 11/1/2023

Scale 1"=50'

Drawn By PDT

Figure **D-1D**

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Location	Units	SB14	SB14	SB14	SB14	SB14	SB14	SB14
Sample Name		SB14_2-4	DUP03_061323	DUP03_061323_R	SB14_5-7	DUP04_061323	SB-14_5-7	SB14_60-62
Sample Date		06/13/2023	06/13/2023	06/16/2023	06/13/2023	06/13/2023	06/16/2023	06/15/2023
Sample Depth		2-4	2-4	2-4	5-7	5-7	5-7	60-62
PFAS								
Perfluorooctanesulfonic Acid (PFOS)	mg/kg	0.000131 J	0.000133 J	NA	<0.000179 U	<0.000185 U	NA	<0.000198 U

Location	Units	SB07-1B	SB07-1B	SB07-1B
Sample Name		SB07-1B_1-3	SB07-1B_5-7	SB07-1B_57-59
Sample Date		06/13/2023	06/13/2023	06/13/2023
Sample Depth		1-3	5-7	57-59
PFAS				
Perfluorooctanesulfonic Acid (PFOS)	mg/kg	NA	NA	<0.000187 U

Location	Units	SB07	SB07	SB07	SB07	SB07
Sample Name		SB07_1-3	SB07_1-3_R	SB07_5-7	SB07_5-7_R	SB07_8-10
Sample Date		10/24/2022	06/12/2023	10/24/2022	06/12/2023	06/12/2023
Sample Depth		1-3	1-3	5-7	5-7	8-10
PFAS						
Perfluorooctanesulfonic Acid (PFOS)	mg/kg	NA	0.000631	NA	0.00012 J	NA

Location	Units	SB11	SB11	SB11	SB11	SB11
Sample Name		SB11_2-4	SB11_2-4_R	SB11_5-7	SB11_10-12	SB11_10-12_R
Sample Date		10/24/2022	06/06/2023	06/06/2023	10/25/2022	06/06/2023
Sample Depth		2-4	2-4	5-7	10-12	10-12
PFAS						
Perfluorooctanesulfonic Acid (PFOS)	mg/kg	NA	<0.000199 U	NA	NA	<0.000197 U

Location	Units	SB08	SB08	SB08	SB08
Sample Name		SB08_1-3	SB08_5-7	SB08_5-7_R	SB08_51-53
Sample Date		06/09/2023	10/24/2022	06/09/2023	10/24/2022
Sample Depth		1-3	5-7	5-7	51-53
PFAS					
Perfluorooctanesulfonic Acid (PFOS)	mg/kg	0.000187 J	NA	0.000101 J	NA

Location	Units	SB15	SB15
Sample Name		SB15_2-4	SB15_5-7
Sample Date		05/30/2023	05/30/2023
Sample Depth		2-4	5-7
PFAS			
Perfluorooctanesulfonic Acid (PFOS)	mg/kg	<0.000199 U	<0.000198 U

Location	Units	SB01A	SB01A	SB01A
Sample Name		SB01_2-4	SB01_10-12	DUP01_060923
Sample Date		06/19/2023	06/09/2023	06/09/2023
Sample Depth		10-12	18-20	18-20
PFAS				
Perfluorooctanesulfonic Acid (PFOS)	mg/kg	<0.000198 U	0.000299	0.000291

Location	Units	SB17	SB17
Sample Name		SB17_2-4	SB17_5-7
Sample Date		06/15/2023	06/15/2023
Sample Depth		2-4	5-7
PFAS			
Perfluorooctanesulfonic Acid (PFOS)	mg/kg	<0.0002 U	<0.000197 U

Location	Units	SB10	SB10	SB10	SB10
Sample Name		SB10_0.5-2.5	SB10_0.5-2.5_R	SB10_5-7	SB10_65-67
Sample Date		10/25/2022	06/09/2023	06/09/2023	10/25/2022
Sample Depth		0.5-2.5	0.5-2.5	5-7	65-67
PFAS					
Perfluorooctanesulfonic Acid (PFOS)	mg/kg	NA	**0.00184**	0.000429	NA

Location	Units	SB16	SB16	SB16
Sample Name		SB16_2-4	SB16_5-7	SB16_58-60
Sample Date		06/19/2023	06/19/2023	06/19/2023
Sample Depth		2-4	5-7	58-60
PFAS				
Perfluorooctanesulfonic Acid (PFOS)	mg/kg	0.000108 J	<0.000195 U	<0.000186 U

Location	Units	SB12	SB12	SB12	SB12	SB12	SB12	SB12
Sample Name		SB12_9-11	SB12_9-11_R	SB12_13-15	SB12_23-25	SB12_23-25_R	SB12_28-30	SB12_56-58
Sample Date		10/27/2022	06/13/2023	06/13/2023	10/28/2022	06/13/2023	06/13/2023	06/16/2023
Sample Depth		9-11	9-11	13-15	23-25	23-25	28-30	56-58
PFAS								
Perfluorooctanesulfonic Acid (PFOS)	mg/kg	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U

Analyte	Unit	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs
PFAS				
Perfluorooctanesulfonic Acid (PFOS)	mg/kg	0.00088	0.001	0.044

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

SB07-1A, SB04, SB07, SB07-1D, SB07-1B, SB07-1C, SB07-2A, SB07-2D, SB07-2B, SB06, SB07-2C, SB08, SB05, SB09, SB14, SB17, SB11-2A, SB11-2B, SB03, SB11-1A, SB11-1B, SB11, SB11-1C, SB10, SB11-1D, SB11-2C, SB11-2D, SB01A, SB15, SB01, SB12, SB16, SB02, SB13

N W E S

Legend

- Site Boundary
- Former Laundry Facility
- Partial Basement Extents
- Soil Boring Location
- Soil Boring/ Monitoring Well Location
- Soil Boring/ Temporary Monitoring Well Location

50 0 50
SCALE IN FEET

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Project
16-63 CODY AVENUE
BLOCK 3556, LOT 61
QUEENS NEW YORK

Drawing Title
PHASE II AND REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS – PFAS

Project No. 101015501
Date 11/1/2023
Scale 1"=50'
Drawn By PDT
Figure **D-1E**

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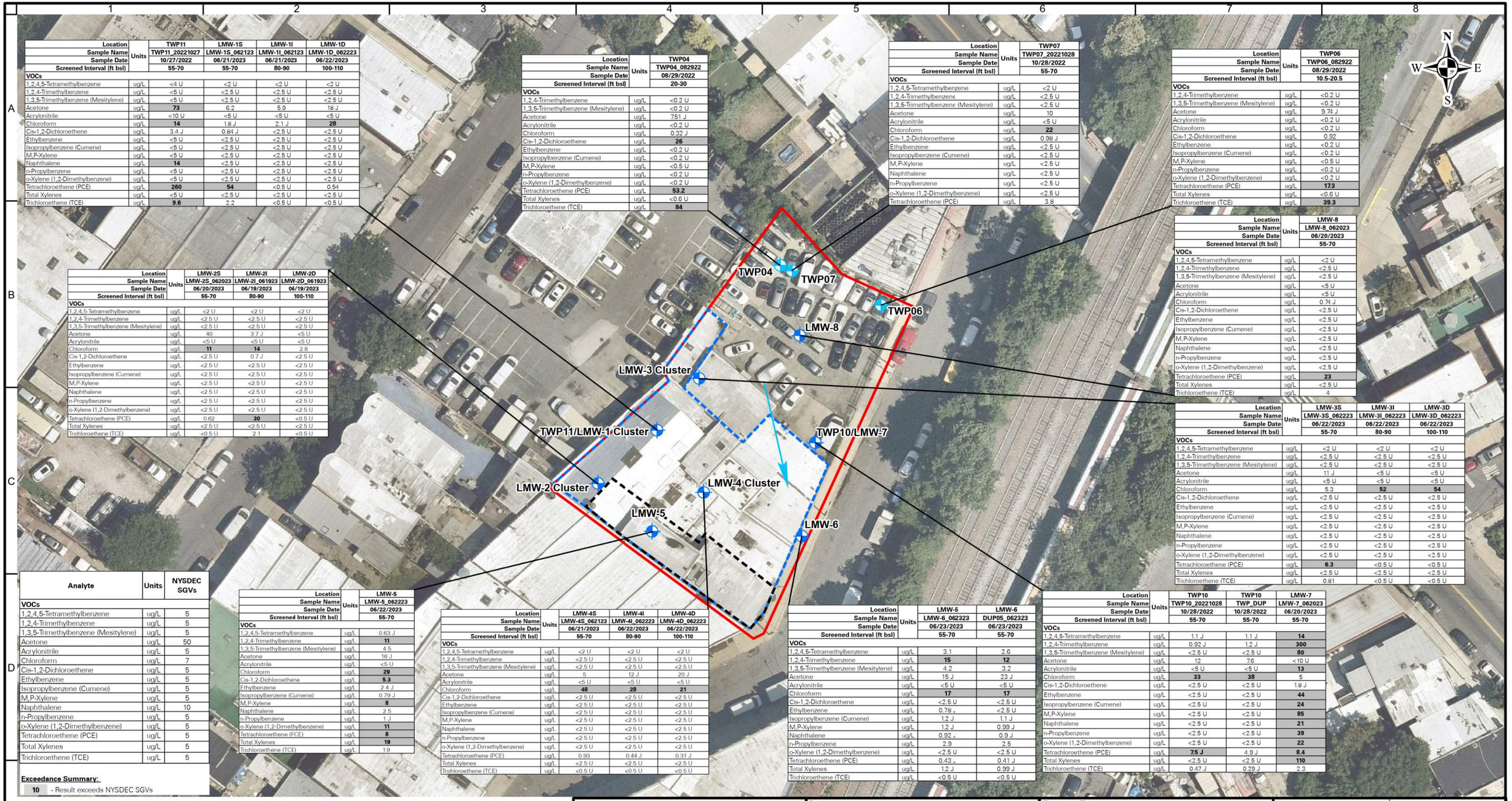

Location		TWP11	LMW-1S	LMW-1I	LMW-1D
Sample Name	Units	TWP11_20221027	LMW-1S_062123	LMW-1I_062123	LMW-1D_062223
Sample Date		10/27/2022	06/21/2023	06/21/2023	06/22/2023
Screened Interval (ft bsl)		55-70	55-70	80-90	100-110
VOCs					
1,2,4,5-Tetramethylbenzene	ug/L	<4 U	<2 U	<2 U	<2 U
1,2,4-Trimethylbenzene	ug/L	<5 U	<2.5 U	<2.5 U	<2.5 U
1,3,5-Trimethylbenzene (Mesitylene)	ug/L	<5 U	<2.5 U	<2.5 U	<2.5 U
Acetone	ug/L	**73**	6.2	5.9	18 J
Acrylonitrile	ug/L	<10 U	<5 U	<5 U	<5 U
Chloroform	ug/L	**14**	1.8 J	2.1 J	**28**
Cis-1,2-Dichloroethene	ug/L	3.4 J	0.84 J	<2.5 U	<2.5 U
Ethylbenzene	ug/L	<5 U	<2.5 U	<2.5 U	<2.5 U
Isopropylbenzene (Cumene)	ug/L	<5 U	<2.5 U	<2.5 U	<2.5 U
M,P-Xylene	ug/L	<5 U	<2.5 U	<2.5 U	<2.5 U
Naphthalene	ug/L	**14**	<2.5 U	<2.5 U	<2.5 U
n-Propylbenzene	ug/L	<5 U	<2.5 U	<2.5 U	<2.5 U
o-Xylene (1,2-Dimethylbenzene)	ug/L	<5 U	<2.5 U	<2.5 U	<2.5 U
Tetrachloroethene (PCE)	ug/L	**260**	**54**	<0.5 U	0.54
Total Xylenes	ug/L	<5 U	<2.5 U	<2.5 U	<2.5 U
Trichloroethene (TCE)	ug/L	**9.6**	2.2	<0.5 U	<0.5 U

Location		TWP04
Sample Name	Units	TWP04_082922
Sample Date		08/29/2022
Screened Interval (ft bsl)		20-30
VOCs		
1,2,4-Trimethylbenzene	ug/L	<0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	ug/L	<0.2 U
Acetone	ug/L	751 J
Acrylonitrile	ug/L	<0.2 U
Chloroform	ug/L	0.32 J
Cis-1,2-Dichloroethene	ug/L	**26**
Ethylbenzene	ug/L	<0.2 U
Isopropylbenzene (Cumene)	ug/L	<0.2 U
M,P-Xylene	ug/L	<0.5 U
n-Propylbenzene	ug/L	<0.2 U
o-Xylene (1,2-Dimethylbenzene)	ug/L	<0.2 U
Tetrachloroethene (PCE)	ug/L	**53.2**
Total Xylenes	ug/L	<0.6 U
Trichloroethene (TCE)	ug/L	**84**

Location		TWP07
Sample Name	Units	TWP07_20221028
Sample Date		10/28/2022
Screened Interval (ft bsl)		55-70
VOCs		
1,2,4,5-Tetramethylbenzene	ug/L	<2 U
1,2,4-Trimethylbenzene	ug/L	<2.5 U
1,3,5-Trimethylbenzene (Mesitylene)	ug/L	<2.5 U
Acetone	ug/L	10
Acrylonitrile	ug/L	<5 U
Chloroform	ug/L	**22**
Cis-1,2-Dichloroethene	ug/L	0.98 J
Ethylbenzene	ug/L	<2.5 U
Isopropylbenzene (Cumene)	ug/L	<2.5 U
M,P-Xylene	ug/L	<2.5 U
Naphthalene	ug/L	<2.5 U
n-Propylbenzene	ug/L	<2.5 U
o-Xylene (1,2-Dimethylbenzene)	ug/L	<2.5 U
Tetrachloroethene (PCE)	ug/L	3.8

Location		TWP06
Sample Name	Units	TWP06_082922
Sample Date		08/29/2022
Screened Interval (ft bsl)		10.5-20.5
VOCs		
1,2,4-Trimethylbenzene	ug/L	<0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	ug/L	<0.2 U
Acetone	ug/L	9.74 J
Acrylonitrile	ug/L	<0.2 U
Chloroform	ug/L	<0.2 U
Cis-1,2-Dichloroethene	ug/L	0.92
Ethylbenzene	ug/L	<0.2 U
Isopropylbenzene (Cumene)	ug/L	<0.2 U
M,P-Xylene	ug/L	<0.5 U
n-Propylbenzene	ug/L	<0.2 U
o-Xylene (1,2-Dimethylbenzene)	ug/L	<0.2 U
Tetrachloroethene (PCE)	ug/L	**17.3**
Total Xylenes	ug/L	<0.6 U
Trichloroethene (TCE)	ug/L	**39.3**

Location		LMW-2S	LMW-2I	LMW-2D
Sample Name	Units	LMW-2S_062023	LMW-2I_061923	LMW-2D_061923
Sample Date		06/20/2023	06/19/2023	06/19/2023
Screened Interval (ft bsl)		55-70	80-90	100-110
VOCs				
1,2,4,5-Tetramethylbenzene	ug/L	<2 U	<2 U	<2 U
1,2,4-Trimethylbenzene	ug/L	<2.5 U	<2.5 U	<2.5 U
1,3,5-Trimethylbenzene (Mesitylene)	ug/L	<2.5 U	<2.5 U	<2.5 U
Acetone	ug/L	40	3.7 J	<5 U
Acrylonitrile	ug/L	<5 U	<5 U	<5 U
Chloroform	ug/L	**11**	**14**	2.8
Cis-1,2-Dichloroethene	ug/L	<2.5 U	0.7 J	<2.5 U
Ethylbenzene	ug/L	<2.5 U	<2.5 U	<2.5 U
Isopropylbenzene (Cumene)	ug/L	<2.5 U	<2.5 U	<2.5 U
M,P-Xylene	ug/L	<2.5 U	<2.5 U	<2.5 U
Naphthalene	ug/L	<2.5 U	<2.5 U	<2.5 U
n-Propylbenzene	ug/L	<2.5 U	<2.5 U	<2.5 U
o-Xylene (1,2-Dimethylbenzene)	ug/L	<2.5 U	<2.5 U	<2.5 U
Tetrachloroethene (PCE)	ug/L	0.62	**30**	<0.5 U
Total Xylenes	ug/L	<2.5 U	<2.5 U	<2.5 U
Trichloroethene (TCE)	ug/L	<0.5 U	2.1	<0.5 U

Location		LMW-8
Sample Name	Units	LMW-8_062023
Sample Date		06/20/2023
Screened Interval (ft bsl)		55-70
VOCs		
1,2,4,5-Tetramethylbenzene	ug/L	<2 U
1,2,4-Trimethylbenzene	ug/L	<2.5 U
1,3,5-Trimethylbenzene (Mesitylene)	ug/L	<2.5 U
Acetone	ug/L	<5 U
Acrylonitrile	ug/L	<5 U
Chloroform	ug/L	0.74 J
Cis-1,2-Dichloroethene	ug/L	<2.5 U
Ethylbenzene	ug/L	<2.5 U
Isopropylbenzene (Cumene)	ug/L	<2.5 U
M,P-Xylene	ug/L	<2.5 U
Naphthalene	ug/L	<2.5 U
n-Propylbenzene	ug/L	<2.5 U
o-Xylene (1,2-Dimethylbenzene)	ug/L	<2.5 U
Tetrachloroethene (PCE)	ug/L	**23**
Total Xylenes	ug/L	<2.5 U
Trichloroethene (TCE)	ug/L	4

Location		LMW-3S	LMW-3I	LMW-3D
Sample Name	Units	LMW-3S_062223	LMW-3I_062223	LMW-3D_062223
Sample Date		06/22/2023	06/22/2023	06/22/2023
Screened Interval (ft bsl)		55-70	80-90	100-110
VOCs				
1,2,4,5-Tetramethylbenzene	ug/L	<2 U	<2 U	<2 U
1,2,4-Trimethylbenzene	ug/L	<2.5 U	<2.5 U	<2.5 U
1,3,5-Trimethylbenzene (Mesitylene)	ug/L	<2.5 U	<2.5 U	<2.5 U
Acetone	ug/L	11 J	<5 U	<5 U
Acrylonitrile	ug/L	<5 U	<5 U	<5 U
Chloroform	ug/L	5.3	**52**	**54**
Cis-1,2-Dichloroethene	ug/L	<2.5 U	<2.5 U	<2.5 U
Ethylbenzene	ug/L	<2.5 U	<2.5 U	<2.5 U
Isopropylbenzene (Cumene)	ug/L	<2.5 U	<2.5 U	<2.5 U
M,P-Xylene	ug/L	<2.5 U	<2.5 U	<2.5 U
Naphthalene	ug/L	<2.5 U	<2.5 U	<2.5 U
n-Propylbenzene	ug/L	<2.5 U	<2.5 U	<2.5 U
o-Xylene (1,2-Dimethylbenzene)	ug/L	<2.5 U	<2.5 U	<2.5 U
Tetrachloroethene (PCE)	ug/L	**6.3**	<0.5 U	<0.5 U
Total Xylenes	ug/L	<2.5 U	<2.5 U	<2.5 U
Trichloroethene (TCE)	ug/L	0.81	<0.5 U	<0.5 U

Analyte	Units	NYSDEC SGVs
VOCs		
1,2,4,5-Tetramethylbenzene	ug/L	5
1,2,4-Trimethylbenzene	ug/L	5
1,3,5-Trimethylbenzene (Mesitylene)	ug/L	5
Acetone	ug/L	50
Acrylonitrile	ug/L	5
Chloroform	ug/L	7
Cis-1,2-Dichloroethene	ug/L	5
Ethylbenzene	ug/L	5
Isopropylbenzene (Cumene)	ug/L	5
M,P-Xylene	ug/L	5
Naphthalene	ug/L	10
n-Propylbenzene	ug/L	5
o-Xylene (1,2-Dimethylbenzene)	ug/L	5
Tetrachloroethene (PCE)	ug/L	5
Total Xylenes	ug/L	5
Trichloroethene (TCE)	ug/L	5

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

Location		LMW-5
Sample Name	Units	LMW-5_062223
Sample Date		06/22/2023
Screened Interval (ft bsl)		55-70
VOCs		
1,2,4,5-Tetramethylbenzene	ug/L	0.63 J
1,2,4-Trimethylbenzene	ug/L	**11**
1,3,5-Trimethylbenzene (Mesitylene)	ug/L	4.5
Acetone	ug/L	16 J
Acrylonitrile	ug/L	<5 U
Chloroform	ug/L	**29**
Cis-1,2-Dichloroethene	ug/L	**5.3**
Ethylbenzene	ug/L	2.4 J
Isopropylbenzene (Cumene)	ug/L	0.79 J
M,P-Xylene	ug/L	**8**
Naphthalene	ug/L	2.5
n-Propylbenzene	ug/L	1 J
o-Xylene (1,2-Dimethylbenzene)	ug/L	**11**
Tetrachloroethene (PCE)	ug/L	**8**
Total Xylenes	ug/L	**19**
Trichloroethene (TCE)	ug/L	1.9

Location		LMW-4S	LMW-4I	LMW-4D
Sample Name	Units	LMW-4S_062123	LMW-4I_062223	LMW-4D_062223
Sample Date		06/21/2023	06/22/2023	06/22/2023
Screened Interval (ft bsl)		55-70	80-90	100-110
VOCs				
1,2,4,5-Tetramethylbenzene	ug/L	<2 U	<2 U	<2 U
1,2,4-Trimethylbenzene	ug/L	<2.5 U	<2.5 U	<2.5 U
1,3,5-Trimethylbenzene (Mesitylene)	ug/L	<2.5 U	<2.5 U	<2.5 U
Acetone	ug/L	5	12 J	20 J
Acrylonitrile	ug/L	<5 U	<5 U	<5 U
Chloroform	ug/L	**48**	**28**	**21**
Cis-1,2-Dichloroethene	ug/L	<2.5 U	<2.5 U	<2.5 U
Ethylbenzene	ug/L	<2.5 U	<2.5 U	<2.5 U
Isopropylbenzene (Cumene)	ug/L	<2.5 U	<2.5 U	<2.5 U
M,P-Xylene	ug/L	<2.5 U	<2.5 U	<2.5 U
Naphthalene	ug/L	<2.5 U	<2.5 U	<2.5 U
n-Propylbenzene	ug/L	<2.5 U	<2.5 U	<2.5 U
o-Xylene (1,2-Dimethylbenzene)	ug/L	<2.5 U	<2.5 U	<2.5 U
Tetrachloroethene (PCE)	ug/L	0.93	0.44 J	0.31 J
Total Xylenes	ug/L	<2.5 U	<2.5 U	<2.5 U
Trichloroethene (TCE)	ug/L	<0.5 U	<0.5 U	<0.5 U

Location		LMW-5	LMW-6
Sample Name	Units	LMW-6_062323	DUP05_062323
Sample Date		06/23/2023	06/23/2023
Screened Interval (ft bsl)		55-70	55-70
VOCs			
1,2,4,5-Tetramethylbenzene	ug/L	3.1	2.6
1,2,4-Trimethylbenzene	ug/L	**15**	**12**
1,3,5-Trimethylbenzene (Mesitylene)	ug/L	4.2	3.2
Acetone	ug/L	15 J	23 J
Acrylonitrile	ug/L	<5 U	<5 U
Chloroform	ug/L	**17**	**17**
Cis-1,2-Dichloroethene	ug/L	<2.5 U	<2.5 U
Ethylbenzene	ug/L	0.78 J	<2.5 U
Isopropylbenzene (Cumene)	ug/L	1.2 J	1.1 J
M,P-Xylene	ug/L	1.2 J	0.99 J
Naphthalene	ug/L	0.92 J	0.9 J
n-Propylbenzene	ug/L	2.9	2.5
o-Xylene (1,2-Dimethylbenzene)	ug/L	<2.5 U	<2.5 U
Tetrachloroethene (PCE)	ug/L	0.43 J	0.41 J
Total Xylenes	ug/L	1.2 J	0.99 J
Trichloroethene (TCE)	ug/L	<0.5 U	<0.5 U

Location		TWP10	TWP10	LMW-7
Sample Name	Units	TWP10_20221028	TWP_DUP	LMW-7_062023
Sample Date		10/28/2022	10/28/2022	06/20/2023
Screened Interval (ft bsl)		55-70	55-70	55-70
VOCs				
1,2,4,5-Tetramethylbenzene	ug/L	1.1 J	1.1 J	**14**
1,2,4-Trimethylbenzene	ug/L	0.92 J	1.2 J	**300**
1,3,5-Trimethylbenzene (Mesitylene)	ug/L	<2.5 U	<2.5 U	**80**
Acetone	ug/L	12	7.6	<10 U
Acrylonitrile	ug/L	<5 U	<5 U	**13**
Chloroform	ug/L	**33**	**38**	5
Cis-1,2-Dichloroethene	ug/L	<2.5 U	<2.5 U	1.8 J
Ethylbenzene	ug/L	<2.5 U	<2.5 U	**44**
Isopropylbenzene (Cumene)	ug/L	<2.5 U	<2.5 U	**24**
M,P-Xylene	ug/L	<2.5 U	<2.5 U	**85**
Naphthalene	ug/L	<2.5 U	<2.5 U	**21**
n-Propylbenzene	ug/L	<2.5 U	<2.5 U	**39**
o-Xylene (1,2-Dimethylbenzene)	ug/L	<2.5 U	<2.5 U	**22**
Tetrachloroethene (PCE)	ug/L	**7.5 J**	4.9 J	**8.4**
Total Xylenes	ug/L	<2.5 U	<2.5 U	**110**
Trichloroethene (TCE)	ug/L	0.47 J	0.29 J	2.3

Legend

- Site Boundary
- Partial Basement Extents
- Former Laundry Facility
- Soil Boring/ Monitoring Well Location
- Soil Boring/ Temporary Monitoring Well Location

50 0 50

SCALE IN FEET

Notes:
1. Aerial imagery provided through Langan's subscription to Nearmap, dated July 19, 2022.
2. Parcel data provided by NYC MapPLUTO 22v2.
3. 2022 Phase II EI Sample locations obtained from the Phase II EI Report conducted by Langan Engineering, Environmental, Survey, Landscape Architecture, and Geology, D.P.C. dated 12/1/2022.
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Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

16-63 CODY AVENUE

BLOCK 3556, LOT 61

QUEENS NEW YORK

Drawing Title

PHASE II AND REMEDIAL INVESTIGATION GROUNDWATER ANALYTICAL RESULTS – VOCS

Project No. 101015501

Date 11/1/2023

Scale 1"=50'

Drawn By PDT

Figure **D-2A**

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Location		TWP04
Sample Name	Units	TWP04_082922
Sample Date		08/29/2022
Screened Interval (ft bsl)		20-30
SVOCs		
Benzo(a)anthracene	ug/L	**0.205**
Benzo(a)pyrene	ug/L	**0.185**
Benzo(b)fluoranthene	ug/L	**0.164**
Benzo(k)fluoranthene	ug/L	**0.164**
Bis(2-ethylhexyl) phthalate	ug/L	<0.513 U
Chrysene	ug/L	**0.185**
Indeno(1,2,3-cd)pyrene	ug/L	**0.133**
Naphthalene	ug/L	0.328
Phenol	ug/L	<2.56 U

Location		TWP07
Sample Name	Units	TWP07_20221028
Sample Date		10/28/2022
Screened Interval (ft bsl)		55-70
SVOCs		
Benzo(a)anthracene	ug/L	<0.1 U
Benzo(a)pyrene	ug/L	<0.1 U
Benzo(b)fluoranthene	ug/L	<0.1 U
Benzo(k)fluoranthene	ug/L	<0.1 U
Bis(2-ethylhexyl) phthalate	ug/L	<3 U
Chrysene	ug/L	<0.1 U
Indeno(1,2,3-cd)pyrene	ug/L	<0.1 U
Naphthalene	ug/L	0.05 J
Phenol	ug/L	<5 U

Location		TWP06
Sample Name	Units	TWP06_082922
Sample Date		08/29/2022
Screened Interval (ft bsl)		10.5-20.5
SVOCs		
Benzo(a)anthracene	ug/L	<0.0571 U
Benzo(a)pyrene	ug/L	<0.0571 U
Benzo(b)fluoranthene	ug/L	<0.0571 U
Benzo(k)fluoranthene	ug/L	<0.0571 U
Bis(2-ethylhexyl) phthalate	ug/L	0.754
Chrysene	ug/L	<0.0571 U
Indeno(1,2,3-cd)pyrene	ug/L	<0.0571 U
Naphthalene	ug/L	<0.0571 U
Phenol	ug/L	<2.86 U

Location		TWP11	LMW-1S	LMW-1I	LMW-1D
Sample Name	Units	TWP11_20221027	LMW-1S_062123	LMW-1I_062123	LMW-1D_062223
Sample Date		10/27/2022	06/21/2023	06/21/2023	06/22/2023
Screened Interval (ft bsl)		55-70	55-70	80-90	100-110
SVOCs					
Benzo(a)anthracene	ug/L	**0.12**	**0.05 J**	NA	NA
Benzo(a)pyrene	ug/L	**0.09 J**	**0.05 J**	NA	NA
Benzo(b)fluoranthene	ug/L	<0.1 U	**0.06 J**	NA	NA
Benzo(k)fluoranthene	ug/L	**0.02 J**	**0.03 J**	NA	NA
Bis(2-ethylhexyl) phthalate	ug/L	2.1 J	**30 J**	NA	NA
Chrysene	ug/L	**0.07 J**	**0.05 J**	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	**0.06 J**	**0.04 J**	NA	NA
Naphthalene	ug/L	**32**	<0.1 U	NA	NA
Phenol	ug/L	**1.2 J**	<5 UJ	NA	NA

Location		LMW-8
Sample Name	Units	LMW-8_062023
Sample Date		06/20/2023
Screened Interval (ft bsl)		55-70
SVOCs		
Benzo(a)anthracene	ug/L	<0.1 U
Benzo(a)pyrene	ug/L	<0.1 U
Benzo(b)fluoranthene	ug/L	**0.01 J**
Benzo(k)fluoranthene	ug/L	<0.1 U
Bis(2-ethylhexyl) phthalate	ug/L	<3 U
Chrysene	ug/L	<0.1 U
Indeno(1,2,3-cd)pyrene	ug/L	<0.1 U
Naphthalene	ug/L	<0.1 U
Phenol	ug/L	<5 UJ

Location		LMW-2S	LMW-2I	LMW-2D
Sample Name	Units	LMW-2S_062023	LMW-2I_061923	LMW-2D_061923
Sample Date		06/20/2023	06/19/2023	06/19/2023
Screened Interval (ft bsl)		55-70	80-90	100-110
SVOCs				
Benzo(a)anthracene	ug/L	**0.09 J**	NA	NA
Benzo(a)pyrene	ug/L	**0.12**	NA	NA
Benzo(b)fluoranthene	ug/L	**0.15**	NA	NA
Benzo(k)fluoranthene	ug/L	**0.05 J**	NA	NA
Bis(2-ethylhexyl) phthalate	ug/L	**12 J**	NA	NA
Chrysene	ug/L	**0.1**	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	**0.08 J**	NA	NA
Naphthalene	ug/L	0.07 J	NA	NA
Phenol	ug/L	<5 UJ	NA	NA

Location		LMW-3S	LMW-3I	LMW-3D
Sample Name	Units	LMW-3S_062223	LMW-3I_062223	LMW-3D_062223
Sample Date		06/22/2023	06/22/2023	06/22/2023
Screened Interval (ft bsl)		55-70	80-90	100-110
SVOCs				
Benzo(a)anthracene	ug/L	**0.02 J**	NA	NA
Benzo(a)pyrene	ug/L	**0.02 J**	NA	NA
Benzo(b)fluoranthene	ug/L	**0.03 J**	NA	NA
Benzo(k)fluoranthene	ug/L	**0.02 J**	NA	NA
Bis(2-ethylhexyl) phthalate	ug/L	<3 U	NA	NA
Chrysene	ug/L	**0.02 J**	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	**0.02 J**	NA	NA
Naphthalene	ug/L	<0.1 U	NA	NA
Phenol	ug/L	<5 UJ	NA	NA

Location		LMW-4S	LMW-4I	LMW-4D
Sample Name	Units	LMW-4S_062123	LMW-4I_062223	LMW-4D_062223
Sample Date		06/21/2023	06/22/2023	06/22/2023
Screened Interval (ft bsl)		55-70	80-90	100-110
SVOCs				
Benzo(a)anthracene	ug/L	<0.2 U	NA	NA
Benzo(a)pyrene	ug/L	<0.2 U	NA	NA
Benzo(b)fluoranthene	ug/L	<0.2 U	NA	NA
Benzo(k)fluoranthene	ug/L	<0.2 U	NA	NA
Bis(2-ethylhexyl) phthalate	ug/L	<3.2 U	NA	NA
Chrysene	ug/L	<0.2 U	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	<0.2 U	NA	NA
Naphthalene	ug/L	<0.2 U	NA	NA
Phenol	ug/L	<5 UJ	NA	NA

Location		TWP10	TWP10	LMW-7
Sample Name	Units	TWP10_20221028	TWP_DUP	LMW-7_062023
Sample Date		10/28/2022	10/28/2022	06/20/2023
Screened Interval (ft bsl)		55-70	55-70	55-70
SVOCs				
Benzo(a)anthracene	ug/L	<0.13 U	<0.13 U	<0.1 U
Benzo(a)pyrene	ug/L	<0.13 U	<0.13 U	<0.1 U
Benzo(b)fluoranthene	ug/L	**0.02 J**	<0.13 U	**0.02 J**
Benzo(k)fluoranthene	ug/L	<0.13 U	<0.13 U	**0.02 J**
Bis(2-ethylhexyl) phthalate	ug/L	<3.9 U	2.2 J	<3 UJ
Chrysene	ug/L	<0.13 U	<0.13 U	**0.01 J**
Indeno(1,2,3-cd)pyrene	ug/L	<0.13 U	<0.13 U	**0.02 J**
Naphthalene	ug/L	0.09 J	0.07 J	**13**
Phenol	ug/L	<6.6 U	<6.4 U	<5 UJ

Analyte	Units	NYSDEC SGVs
SVOCs		
Benzo(a)anthracene	ug/L	0.002
Benzo(a)pyrene	ug/L	0
Benzo(b)fluoranthene	ug/L	0.002
Benzo(k)fluoranthene	ug/L	0.002
Bis(2-ethylhexyl) phthalate	ug/L	5
Chrysene	ug/L	0.002
Indeno(1,2,3-cd)pyrene	ug/L	0.002
Naphthalene	ug/L	10
Phenol	ug/L	1

Exceedance Summary:

5 - Result exceeds NYSDEC SGVs

TWP04
TWP07
TWP06
LMW-8
LMW-3 Cluster
TWP11/LMW-1 Cluster
TWP10/LMW-7
LMW-2 Cluster
LMW-4 Cluster
LMW-5
LMW-6

N
W
E
S

Legend

- Site Boundary
- Partial Basement Extents
- Former Laundry Facility
- Soil Boring/ Monitoring Well Location
- Soil Boring/ Temporary Monitoring Well Location

50 0 50

SCALE IN FEET

Notes:
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NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
16-63 CODY AVENUE
BLOCK 3556, LOT 61
QUEENS NEW YORK

Drawing Title
PHASE II AND REMEDIAL INVESTIGATION GROUNDWATER ANALYTICAL RESULTS – SVOCS

Project No. 101015501
Date 11/1/2023
Scale 1"=50'
Drawn By PDT

Figure
D-2B

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Location	Units	TWP11	LMW-1S	LMW-1I	LMW-1D
Sample Name		TWP11_20221027	LMW-1S_062123	LMW-1I_062123	LMW-1D_062223
Sample Date		10/27/2022	06/21/2023	06/21/2023	06/22/2023
Screened Interval (ft bsl)		55-70	55-70	80-90	100-110
Metals - Dissolved					
Antimony	ug/L	0.75 J	**7.91**	NA	NA
Iron	ug/L	**7,170**	90.8	**58,600 J**	NA
Lead	ug/L	4.47	<1 U	NA	NA
Manganese	ug/L	**706.7**	**329.6**	**415.6 J**	NA
Selenium	ug/L	<5 U	6.83	NA	NA
Sodium	ug/L	**22,900**	**131,000**	NA	NA

Location	Units	LMW-2S	LMW-2I	LMW-2D
Sample Name		LMW-2S_062023	LMW-2I_061923	LMW-2D_061923
Sample Date		06/20/2023	06/19/2023	06/19/2023
Screened Interval (ft bsl)		55-70	80-90	100-110
Metals - Total				
Antimony	ug/L	2.69 J	NA	NA
Iron	ug/L	**4,290**	NA	NA
Lead	ug/L	19.38	NA	NA
Manganese	ug/L	225	NA	NA
Selenium	ug/L	3.58 J	NA	NA
Sodium	ug/L	**106,000**	NA	NA

Analyte	Units	NYSDEC SGVs
Metals - Dissolved		
Antimony	ug/L	3
Iron	ug/L	300
Lead	ug/L	25
Manganese	ug/L	300
Selenium	ug/L	10
Sodium	ug/L	20000
Metals - Total		
Antimony	ug/L	3
Iron	ug/L	300
Lead	ug/L	25
Manganese	ug/L	300
Selenium	ug/L	10
Sodium	ug/L	20000

Exceedance Summary:

3 - Result exceeds NYSDEC SGVs

Location	Units	TWP07
Sample Name		TWP07_20221028
Sample Date		10/28/2022
Screened Interval (ft bsl)		55-70
Metals - Total		
Antimony	ug/L	<4 U
Iron	ug/L	**10,600**
Lead	ug/L	4.13
Manganese	ug/L	**1,770**
Selenium	ug/L	<5 U
Sodium	ug/L	15,200

Location	Units	LMW-8
Sample Name		LMW-8_062023
Sample Date		06/20/2023
Screened Interval (ft bsl)		55-70
Metals - Total		
Antimony	ug/L	<4 U
Iron	ug/L	**4,720**
Lead	ug/L	2.13
Manganese	ug/L	**8,334**
Selenium	ug/L	4.99 J
Sodium	ug/L	**31,900**

Location	Units	LMW-3S	LMW-3I	LMW-3D
Sample Name		LMW-3S_062223	LMW-3I_062223	LMW-3D_062223
Sample Date		06/22/2023	06/22/2023	06/22/2023
Screened Interval (ft bsl)		55-70	80-90	100-110
Metals - Total				
Antimony	ug/L	0.46 J	NA	NA
Iron	ug/L	**11,900**	NA	NA
Lead	ug/L	21.59	NA	NA
Manganese	ug/L	**1,592**	NA	NA
Selenium	ug/L	**10.5**	NA	NA
Sodium	ug/L	**117,000**	NA	NA

Location	Units	TWP10	TWP10	LMW-7
Sample Name		TWP10_20221028	TWP_DUP	LMW-7_062023
Sample Date		10/28/2022	10/28/2022	06/20/2023
Screened Interval (ft bsl)		55-70	55-70	55-70
Metals - Total				
Antimony	ug/L	<4 U	<4 U	<4 U
Iron	ug/L	**45,200 J**	**32,700 J**	**5,400**
Lead	ug/L	**93.75 J**	**58.25 J**	0.47 J
Manganese	ug/L	**3,412**	**3,135**	**2,620**
Selenium	ug/L	3.97 J	3.5 J	<5 U
Sodium	ug/L	19,100	**23,300**	**45,900**

Location	Units	LMW-4S	LMW-4I	LMW-4D
Sample Name		LMW-4S_062123	LMW-4I_062223	LMW-4D_062223
Sample Date		06/21/2023	06/22/2023	06/22/2023
Screened Interval (ft bsl)		55-70	80-90	100-110
Metals - Total				
Iron	ug/L	NA	**5,350**	NA
Manganese	ug/L	NA	185.6	NA
Metals - Dissolved				
Antimony	ug/L	<20 U	NA	NA
Iron	ug/L	**851**	NA	NA
Lead	ug/L	<5 U	NA	NA
Manganese	ug/L	222.7	NA	NA
Selenium	ug/L	<25 U	NA	NA
Sodium	ug/L	**129,000**	NA	NA

TWP04
TWP07
TWP06
LMW-8
LMW-3 Cluster
TWP11/LMW-1 Cluster
TWP10/LMW-7
LMW-2 Cluster
LMW-4 Cluster
LMW-5
LMW-6

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Legend

- Site Boundary
- Partial Basement Extents
- Former Laundry Facility
- Soil Boring/ Monitoring Well Location
- Soil Boring/ Temporary Monitoring Well Location

50 0 50
SCALE IN FEET

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Project
16-63 CODY AVENUE
BLOCK 3556, LOT 61
QUEENS NEW YORK

Drawing Title
PHASE II AND REMEDIAL INVESTIGATION GROUNDWATER ANALYTICAL RESULTS – METALS

Project No. 101015501
Date 11/1/2023
Scale 1"=50'
Drawn By PDT
Figure **D-2C**

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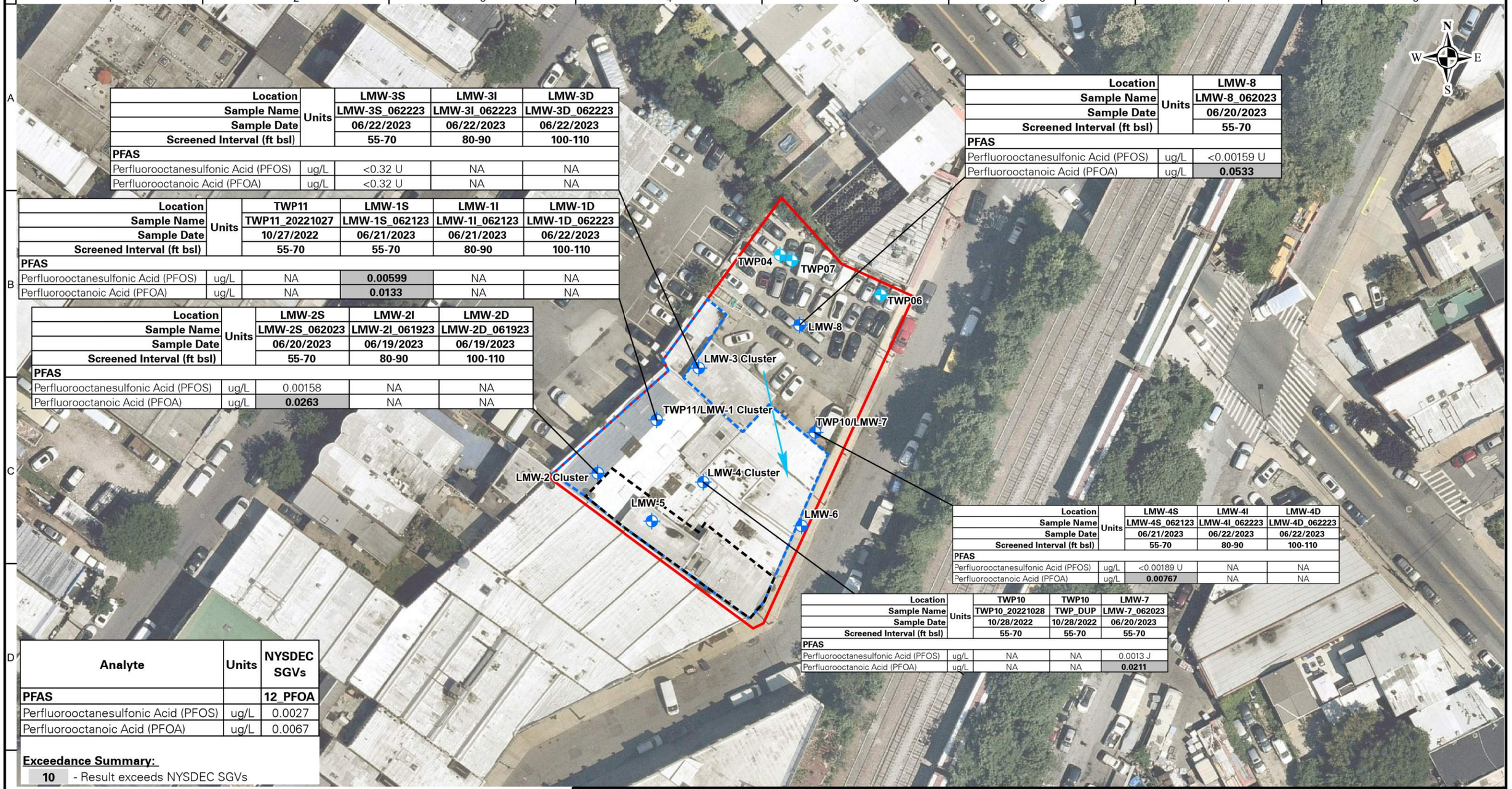

Location	Units	LMW-3S	LMW-3I	LMW-3D
Sample Name		LMW-3S_062223	LMW-3I_062223	LMW-3D_062223
Sample Date		06/22/2023	06/22/2023	06/22/2023
Screened Interval (ft bsl)		55-70	80-90	100-110
PFAS				
Perfluorooctanesulfonic Acid (PFOS)	ug/L	<0.32 U	NA	NA
Perfluorooctanoic Acid (PFOA)	ug/L	<0.32 U	NA	NA

Location	Units	TWP11	LMW-1S	LMW-1I	LMW-1D
Sample Name		TWP11_20221027	LMW-1S_062123	LMW-1I_062123	LMW-1D_062223
Sample Date		10/27/2022	06/21/2023	06/21/2023	06/22/2023
Screened Interval (ft bsl)		55-70	55-70	80-90	100-110
PFAS					
Perfluorooctanesulfonic Acid (PFOS)	ug/L	NA	**0.00599**	NA	NA
Perfluorooctanoic Acid (PFOA)	ug/L	NA	**0.0133**	NA	NA

Location	Units	LMW-2S	LMW-2I	LMW-2D
Sample Name		LMW-2S_062023	LMW-2I_061923	LMW-2D_061923
Sample Date		06/20/2023	06/19/2023	06/19/2023
Screened Interval (ft bsl)		55-70	80-90	100-110
PFAS				
Perfluorooctanesulfonic Acid (PFOS)	ug/L	0.00158	NA	NA
Perfluorooctanoic Acid (PFOA)	ug/L	**0.0263**	NA	NA

Location	Units	LMW-8
Sample Name		LMW-8_062023
Sample Date		06/20/2023
Screened Interval (ft bsl)		55-70
PFAS		
Perfluorooctanesulfonic Acid (PFOS)	ug/L	<0.00159 U
Perfluorooctanoic Acid (PFOA)	ug/L	**0.0533**

Location	Units	LMW-4S	LMW-4I	LMW-4D
Sample Name		LMW-4S_062123	LMW-4I_062223	LMW-4D_062223
Sample Date		06/21/2023	06/22/2023	06/22/2023
Screened Interval (ft bsl)		55-70	80-90	100-110
PFAS				
Perfluorooctanesulfonic Acid (PFOS)	ug/L	<0.00189 U	NA	NA
Perfluorooctanoic Acid (PFOA)	ug/L	**0.00767**	NA	NA

Location	Units	TWP10	TWP10	LMW-7
Sample Name		TWP10_20221028	TWP_DUP	LMW-7_062023
Sample Date		10/28/2022	10/28/2022	06/20/2023
Screened Interval (ft bsl)		55-70	55-70	55-70
PFAS				
Perfluorooctanesulfonic Acid (PFOS)	ug/L	NA	NA	0.0013 J
Perfluorooctanoic Acid (PFOA)	ug/L	NA	NA	**0.0211**

Analyte	Units	NYSDEC SGVs
PFAS		12_PFOA
Perfluorooctanesulfonic Acid (PFOS)	ug/L	0.0027
Perfluorooctanoic Acid (PFOA)	ug/L	0.0067

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

Legend

- Site Boundary
- Partial Basement Extents
- Former Laundry Facility
- Soil Boring/ Monitoring Well Location
- Soil Boring/ Temporary Monitoring Well Location

50 0 50

SCALE IN FEET

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Project

16-63 CODY AVENUE

BLOCK 3556, LOT 61

QUEENS NEW YORK

Drawing Title

PHASE II AND REMEDIAL INVESTIGATION GROUNDWATER ANALYTICAL RESULTS – PFAS

Project No.	101015501
Date	11/1/2023
Scale	1"=50'
Drawn By	PDT

Figure **D-2D**

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Location	Units	LIA03_LSSV03		
Sample Name		LIA03_062323	LSSV03_062323	DUP06_062323
Sample Date		06/23/2023	06/23/2023	06/23/2023
Sample Type		IA	SSV	SSV
VOCs				
Methylene Chloride	ug/m3	43.8	<25.2 U	<22.8 U
Tetrachloroethene (PCE)	ug/m3	5.91	5,070	5,610
Trichloroethene (TCE)	ug/m3	**2.18**	5,480	6,340

Location	Units	LIA01_LSSV01	
Sample Name		LIA01_062323	LSSV01_062323
Sample Date		06/23/2023	06/23/2023
Sample Type		IA	SSV
VOCs			
Methylene Chloride	ug/m3	**153**	<1,360 U
Tetrachloroethene (PCE)	ug/m3	**2,350**	346,000
Trichloroethene (TCE)	ug/m3	**83.8**	5,360

Location	Units	AA01
Sample Name		AA01_062323
Sample Date		06/23/2023
Sample Type		AA
VOCs		
Methylene Chloride	ug/m3	**60.8**
Tetrachloroethene (PCE)	ug/m3	1.66
Trichloroethene (TCE)	ug/m3	<0.107 U

Location	Units	LIA04_LSSV04	
Sample Name		LIA04_062323	LSSV04_062323
Sample Date		06/23/2023	06/23/2023
Sample Type		IA	SSV
VOCs			
Methylene Chloride	ug/m3	16.1	<5.8 U
Tetrachloroethene (PCE)	ug/m3	2.69	15.6
Trichloroethene (TCE)	ug/m3	1.23	422

Location	Units	LIA02_LSSV02	
Sample Name		LIA02_062323	LSSV02_062323
Sample Date		06/23/2023	06/23/2023
Sample Type		IA	SSV
VOCs			
Methylene Chloride	ug/m3	**96.2**	<201 U
Tetrachloroethene (PCE)	ug/m3	**2,010**	51,100
Trichloroethene (TCE)	ug/m3	**70.9**	1,350

Analyte	Units	NYSDOH AGVs
VOCs		
Methylene Chloride	ug/m3	60
Tetrachloroethene (PCE)	ug/m3	30
Trichloroethene (TCE)	ug/m3	2

Exceedance Summary:

10 - Result exceeds NYSDOH AGVs

LSSV04/LIA04
AA01
LSSV03/LIA03
LSSV01/LIA01
LSSV02/LIA02

Legend

- Site Boundary
- Former Laundry Facility
- Partial Basement Extents
- Sub-Slab Soil Vapor/Indoor Air Point
- Ambient Air Sample Location

40 0 40
SCALE IN FEET

Notes:
1. Aerial imagery provided through Langan's subscription to Nearmap, dated July 19, 2022.
2. Parcel data provided by NYC MapPLUTO 22v2.
3. Sample locations for the RI were collected using GPS location techniques.

LANGAN
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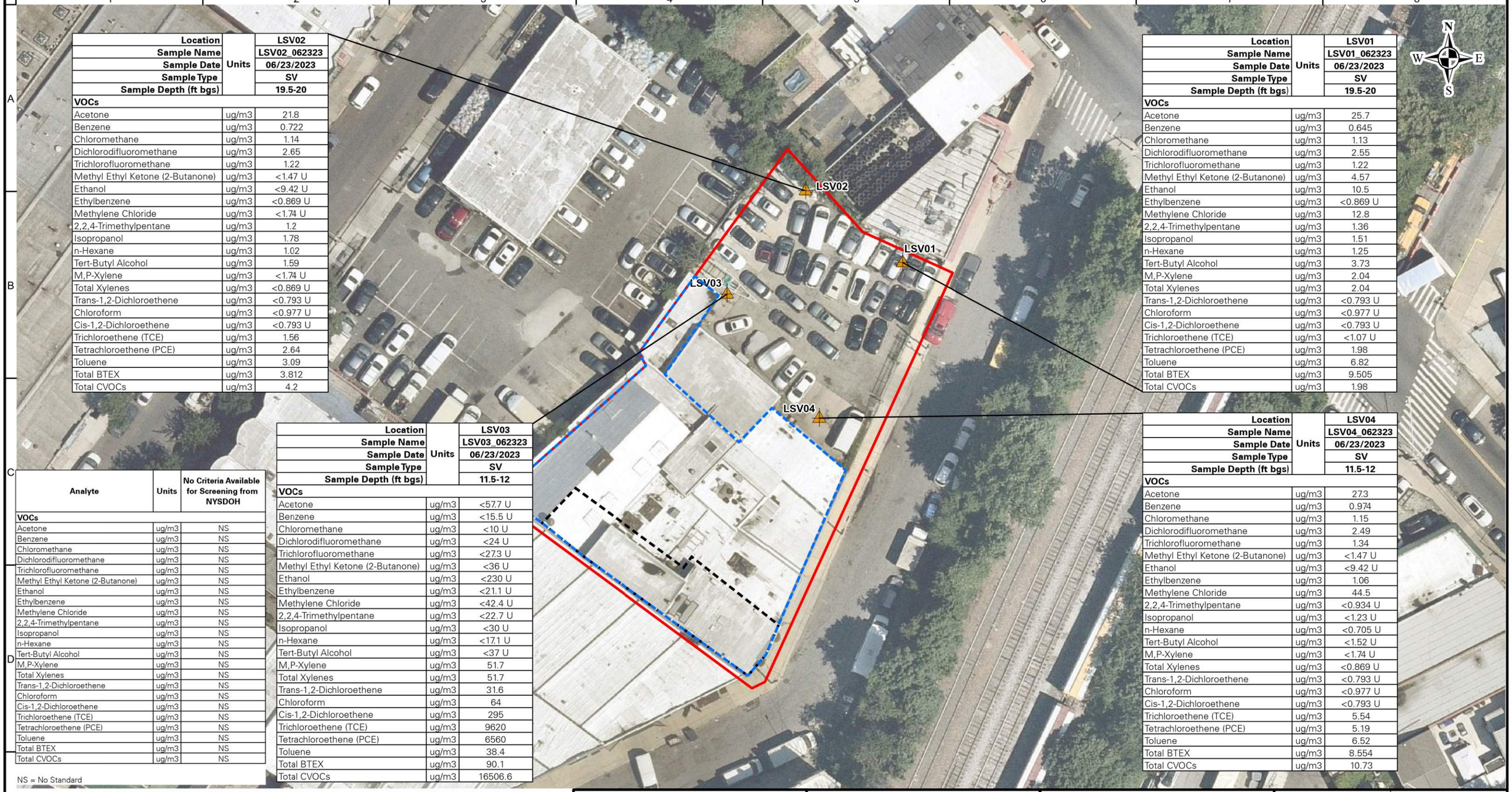
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International LLC
Collectively known as Langan
NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
16-63 CODY AVENUE
BLOCK 3556, LOT 61
QUEENS NEW YORK

Drawing Title
REMEDIAL INVESTIGATION INDOOR AIR AND SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS

Project No. 101015501
Date 11/1/2023
Scale 1"=50'
Drawn By PDT
Figure **D-3**

Path: \\langan.com\data\PAR\data5\101015501\Project Data\ArcGIS\APRX\101015501\101015501.aprx Date: 11/1/2023 User: aruane Time: 2:10 PM



Location		LSV02
Sample Name	Units	LSV02_062323
Sample Date		06/23/2023
Sample Type		SV
Sample Depth (ft bgs)		19.5-20
VOCs		
Acetone	ug/m3	21.8
Benzene	ug/m3	0.722
Chloromethane	ug/m3	1.14
Dichlorodifluoromethane	ug/m3	2.65
Trichlorofluoromethane	ug/m3	1.22
Methyl Ethyl Ketone (2-Butanone)	ug/m3	<1.47 U
Ethanol	ug/m3	<9.42 U
Ethylbenzene	ug/m3	<0.869 U
Methylene Chloride	ug/m3	<1.74 U
2,2,4-Trimethylpentane	ug/m3	1.2
Isopropanol	ug/m3	1.78
n-Hexane	ug/m3	1.02
Tert-Butyl Alcohol	ug/m3	1.59
M,P-Xylene	ug/m3	<1.74 U
Total Xylenes	ug/m3	<0.869 U
Trans-1,2-Dichloroethene	ug/m3	<0.793 U
Chloroform	ug/m3	<0.977 U
Cis-1,2-Dichloroethene	ug/m3	<0.793 U
Trichloroethene (TCE)	ug/m3	1.56
Tetrachloroethene (PCE)	ug/m3	2.64
Toluene	ug/m3	3.09
Total BTEX	ug/m3	3.812
Total CVOCs	ug/m3	4.2

Location		LSV01
Sample Name	Units	LSV01_062323
Sample Date		06/23/2023
Sample Type		SV
Sample Depth (ft bgs)		19.5-20
VOCs		
Acetone	ug/m3	25.7
Benzene	ug/m3	0.645
Chloromethane	ug/m3	1.13
Dichlorodifluoromethane	ug/m3	2.55
Trichlorofluoromethane	ug/m3	1.22
Methyl Ethyl Ketone (2-Butanone)	ug/m3	4.57
Ethanol	ug/m3	10.5
Ethylbenzene	ug/m3	<0.869 U
Methylene Chloride	ug/m3	12.8
2,2,4-Trimethylpentane	ug/m3	1.36
Isopropanol	ug/m3	1.51
n-Hexane	ug/m3	1.25
Tert-Butyl Alcohol	ug/m3	3.73
M,P-Xylene	ug/m3	2.04
Total Xylenes	ug/m3	2.04
Trans-1,2-Dichloroethene	ug/m3	<0.793 U
Chloroform	ug/m3	<0.977 U
Cis-1,2-Dichloroethene	ug/m3	<0.793 U
Trichloroethene (TCE)	ug/m3	<1.07 U
Tetrachloroethene (PCE)	ug/m3	1.98
Toluene	ug/m3	6.82
Total BTEX	ug/m3	9.505
Total CVOCs	ug/m3	1.98

Location		LSV03
Sample Name	Units	LSV03_062323
Sample Date		06/23/2023
Sample Type		SV
Sample Depth (ft bgs)		11.5-12
VOCs		
Acetone	ug/m3	<57.7 U
Benzene	ug/m3	<15.5 U
Chloromethane	ug/m3	<10 U
Dichlorodifluoromethane	ug/m3	<24 U
Trichlorofluoromethane	ug/m3	<27.3 U
Methyl Ethyl Ketone (2-Butanone)	ug/m3	<36 U
Ethanol	ug/m3	<230 U
Ethylbenzene	ug/m3	<21.1 U
Methylene Chloride	ug/m3	<42.4 U
2,2,4-Trimethylpentane	ug/m3	<22.7 U
Isopropanol	ug/m3	<30 U
n-Hexane	ug/m3	<17.1 U
Tert-Butyl Alcohol	ug/m3	<37 U
M,P-Xylene	ug/m3	51.7
Total Xylenes	ug/m3	51.7
Trans-1,2-Dichloroethene	ug/m3	31.6
Chloroform	ug/m3	64
Cis-1,2-Dichloroethene	ug/m3	295
Trichloroethene (TCE)	ug/m3	9620
Tetrachloroethene (PCE)	ug/m3	6560
Toluene	ug/m3	38.4
Total BTEX	ug/m3	90.1
Total CVOCs	ug/m3	16506.6

Location		LSV04
Sample Name	Units	LSV04_062323
Sample Date		06/23/2023
Sample Type		SV
Sample Depth (ft bgs)		11.5-12
VOCs		
Acetone	ug/m3	27.3
Benzene	ug/m3	0.974
Chloromethane	ug/m3	1.15
Dichlorodifluoromethane	ug/m3	2.49
Trichlorofluoromethane	ug/m3	1.34
Methyl Ethyl Ketone (2-Butanone)	ug/m3	<1.47 U
Ethanol	ug/m3	<9.42 U
Ethylbenzene	ug/m3	1.06
Methylene Chloride	ug/m3	44.5
2,2,4-Trimethylpentane	ug/m3	<0.934 U
Isopropanol	ug/m3	<1.23 U
n-Hexane	ug/m3	<0.705 U
Tert-Butyl Alcohol	ug/m3	<1.52 U
M,P-Xylene	ug/m3	<1.74 U
Total Xylenes	ug/m3	<0.869 U
Trans-1,2-Dichloroethene	ug/m3	<0.793 U
Chloroform	ug/m3	<0.977 U
Cis-1,2-Dichloroethene	ug/m3	<0.793 U
Trichloroethene (TCE)	ug/m3	5.54
Tetrachloroethene (PCE)	ug/m3	5.19
Toluene	ug/m3	6.52
Total BTEX	ug/m3	8.554
Total CVOCs	ug/m3	10.73

Analyte	Units	No Criteria Available for Screening from NYSDOH
VOCs		
Acetone	ug/m3	NS
Benzene	ug/m3	NS
Chloromethane	ug/m3	NS
Dichlorodifluoromethane	ug/m3	NS
Trichlorofluoromethane	ug/m3	NS
Methyl Ethyl Ketone (2-Butanone)	ug/m3	NS
Ethanol	ug/m3	NS
Ethylbenzene	ug/m3	NS
Methylene Chloride	ug/m3	NS
2,2,4-Trimethylpentane	ug/m3	NS
Isopropanol	ug/m3	NS
n-Hexane	ug/m3	NS
Tert-Butyl Alcohol	ug/m3	NS
M,P-Xylene	ug/m3	NS
Total Xylenes	ug/m3	NS
Trans-1,2-Dichloroethene	ug/m3	NS
Chloroform	ug/m3	NS
Cis-1,2-Dichloroethene	ug/m3	NS
Trichloroethene (TCE)	ug/m3	NS
Tetrachloroethene (PCE)	ug/m3	NS
Toluene	ug/m3	NS
Total BTEX	ug/m3	NS
Total CVOCs	ug/m3	NS

NS = No Standard

Legend

- Site Boundary
- Partial Basement Extents
- Former Laundry Facility
- Soil Vapor Point

40 0 40

SCALE IN FEET

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REMEDIAL INVESTIGATION SOIL VAPOR ANALYTICAL RESULTS

Project No. 101015501
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Figure D-4

Path: \\langan.com\data\PAR\data5\101015501\Project Data\ArcGIS\APRX\101015501\101015501.aprx Date: 11/1/2023 User: aruane Time: 2:12 PM

Table D1A
BCP Application
Soil Data Summary Table

16-63 Cody Avenue
Queens, New York
BCP SIte No.: C241279
Langan Project No.: 101015501

Analytes > Restricted-Residential RUSCOs	Detections > Restricted-Residential RUSCOs	Maximum Detection (mg/kg)	Restricted-Residential RUSCOs (mg/kg)	Depth (ft bgs)
1,2,4-Trimethylbenzene	1	890	52	65-67
1,3,5-Trimethylbenzene (Mesitylene)	1	240	52	65-67
n-Propylbenzene	1	140	100	65-67
Tetrachloroethene (PCE)	1	32	19	1-3
Trichloroethene (TCE)	2	43	21	1-3
Benzo(a)anthracene	6	4.5	1	1-3
Benzo(a)pyrene	6	4.4	1	1-3
Benzo(b)fluoranthene	6	5.5	1	1-3
Chrysene	3	4.4	3.9	2-4
Dibenz(a,h)anthracene	3	0.66	0.33	1-3
Indeno(1,2,3-cd)pyrene	7	3.3	0.5	1-3
Arsenic	3	102	16	1-3
Barium	2	1140	400	1-3
Chromium, Trivalent	1	239	180	2-4
Copper	2	637	270	1-3
Lead	2	499	400	1-3
Mercury	2	0.888	0.81	1-3

mg/kg - milligrams per kilogram
ft bgs - feet below ground surface
RUSCOs - NYSDEC Part 375 Restricted Use Soil Cleanup Objectives

Table D1B
BCP Application
Groundwater Data Summary Table

16-63 Cody Avenue
Queens, New York
BCP SIte No.: C241279
Langan Project No.: 101015501

Analytes > SGVs	Detections > SGVs	Maximum Detection (ug/L)	SGVs (ug/L)
1,2,4,5-Tetramethylbenzene	1	14	5
1,2,4-Trimethylbenzene	3	300	5
1,3,5-Trimethylbenzene (Mesitylene)	1	80	5
Acetone	1	73	50
Acrylonitrile	1	13	5
Chloroform	13	54	7
Cis-1,2-Dichloroethene	2	26	5
Ethylbenzene	1	44	5
Isopropylbenzene (Cumene)	1	24	5
M,P-Xylene	2	85	5
Naphthalene	2	21	10
n-Propylbenzene	1	39	5
o-Xylene (1,2-Dimethylbenzene)	2	22	5
Tetrachloroethene (PCE)	10	260	5
Total Xylenes	2	110	5
Trichloroethene (TCE)	3	84	5
Benzo(a)anthracene	5	0.205	0.002
Benzo(a)pyrene	5	0.185	0
Benzo(b)fluoranthene	7	0.164	0.002
Benzo(k)fluoranthene	6	0.164	0.002
Bis(2-ethylhexyl) phthalate	2	30	5
Chrysene	6	0.185	0.002
Indeno(1,2,3-cd)pyrene	6	0.133	0.002
Naphthalene	2	32	10
Phenol	1	1.2	1
Antimony (Dissolved)	1	7.91	3
Iron (Dissolved)	2	58,600	300
Manganese (Dissolved)	2	415.6	300
Sodium (Dissolved)	2	131,000	20,000
Iron (Total)	8	45,200	300
Lead (Total)	1	93.75	25
Manganese (Total)	6	8,334	300
Selenium (Total)	1	10.5	10
Sodium (Total)	5	117,000	20,000
Perfluorooctanesulfonic Acid (PFOS)	1	0.00599	0.0027
Perfluorooctanoic Acid (PFOA)	5	0.0533	0.0067

ug/L - micrograms per liter
SGVs - NYSDEC Title 6 NYCRR Part 703.5 and the NYSDEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA water (collectively known as NYSDEC SGVs)

Table D1C
BCP Application
Soil Vapor Data Summary Table

16-63 Cody Avenue
Queens, New York
BCP SIte No.: C241279
Langan Project No.: 101015501

Analytes	Total Detections	Maximum Detection (ug/m3)	Type
1,1,1-Trichloroethane	4	0.884	Indoor Air
	1	101	Sub-Slab Soil Vapor
1,2,4-Trimethylbenzene	4	2.06	Indoor Air
2,2,4-Trimethylpentane	2	1.36	Soil Vapor
	2	1.84	Indoor Air
Acetone	3	27.3	Soil Vapor
	4	285	Indoor Air
	1	77.4	Sub-Slab Soil Vapor
Benzene	3	0.974	Soil Vapor
	3	0.997	Indoor Air
Carbon Disulfide	1	3.15	Sub-Slab Soil Vapor
Carbon Tetrachloride	4	0.579	Indoor Air
Chloroform	1	64	Soil Vapor
	2	5.62	Indoor Air
	2	216	Sub-Slab Soil Vapor
Chloromethane	3	1.15	Soil Vapor
	4	1.27	Indoor Air
Cis-1,2-Dichloroethene	1	295	Soil Vapor
	3	13.4	Indoor Air
	3	856	Sub-Slab Soil Vapor
Cyclohexane	4	8.85	Indoor Air
	1	17	Sub-Slab Soil Vapor
Dichlorodifluoromethane	3	2.65	Soil Vapor
	4	2.68	Indoor Air
	1	52.4	Sub-Slab Soil Vapor
Ethanol	1	10.5	Soil Vapor
	4	298	Indoor Air
Ethyl Acetate	4	11.2	Indoor Air
Ethylbenzene	1	1.06	Soil Vapor
	4	1.31	Indoor Air
Isopropanol	2	1.78	Soil Vapor
	4	19.4	Indoor Air
	1	4.84	Sub-Slab Soil Vapor
M,P-Xylene	2	51.7	Soil Vapor
	4	4.91	Indoor Air
Methyl Ethyl Ketone (2-Butanone)	1	4.57	Soil Vapor
	4	7.2	Indoor Air
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	3	14.3	Indoor Air
Methylene Chloride	2	44.5	Soil Vapor
	4	153	Indoor Air
n-Heptane	4	12.4	Indoor Air
n-Hexane	2	1.25	Soil Vapor
	4	34.4	Indoor Air
	1	2.79	Sub-Slab Soil Vapor

Table D1C
BCP Application
Soil Vapor Data Summary Table

16-63 Cody Avenue
Queens, New York
BCP SIte No.: C241279
Langan Project No.: 101015501

Analytes	Total Detections	Maximum Detection (ug/m3)	Type
o-Xylene (1,2-Dimethylbenzene)	4	1.56	Indoor Air
Styrene	4	1.57	Indoor Air
Tert-Butyl Alcohol	2	3.73	Soil Vapor
Tetrachloroethene (PCE)	4	6,560	Soil Vapor
	4	2,350	Indoor Air
	4	346,000	Sub-Slab Soil Vapor
Tetrahydrofuran	1	2.13	Indoor Air
Toluene	4	38.4	Soil Vapor
	4	89.3	Indoor Air
	1	73.9	Sub-Slab Soil Vapor
Total Xylenes	2	51.7	Soil Vapor
	4	6.34	Indoor Air
Trans-1,2-Dichloroethene	1	31.6	Soil Vapor
	1	79.7	Sub-Slab Soil Vapor
Trichloroethene (TCE)	3	9,620	Soil Vapor
	4	83.8	Indoor Air
	4	5,480	Sub-Slab Soil Vapor
Trichlorofluoromethane	3	1.34	Soil Vapor
	4	19.4	Indoor Air
	1	1,010	Sub-Slab Soil Vapor

ug/m3 - micrograms per cubic meter

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB01	SB01	SB01A	SB01A	SB01A	SB02	SB03	SB04	SB05	SB06	SB07	SB07	SB07	SB07
					Sample Name	SB01_0.5-2.5	DUP20220826	SB01_2-4	SB01_10-12	DUP01_060923	SB02_0.5-2.5	SB03_0.5-2.5	SB04_20-22	SB05_2-3	SB06_18-20	SB07_1-3	SB07_1-3_R	SB07_5-7	SB07_5-7_R
					Sample Date	08/26/2022	08/26/2022	06/19/2023	06/09/2023	06/09/2023	08/26/2022	08/29/2022	08/29/2022	08/29/2022	08/29/2022	10/24/2022	06/12/2023	10/24/2022	06/12/2023
					Sample Depth	8.5-10.5	8.5-10.5	10-12	18-20	18-20	8.5-10.5	0.5-2.5	20-22	2-3	18-20	1-3	1-3	5-7	5-7
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																			
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0011 U	<0.00057 U	<0.00049 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.031 U	NA	<0.00046 U	NA
1,1,1-Trichloroethane	71-55-6	0.68	0.68	100	mg/kg	<0.0019 U	<0.0025 U	<0.0011 U	<0.00057 U	<0.00049 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.031 U	NA	<0.00046 U	NA
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0011 U	<0.00057 U	<0.00049 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.031 U	NA	<0.00046 U	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	NA	NA	NA	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	NA	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
1,1-Dichloroethane	75-34-3	0.27	0.27	26	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
1,1-Dichloroethene	75-35-4	0.33	0.33	100	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
1,1-Dichloropropene	563-58-6	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0011 U	<0.00057 U	<0.00049 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.031 U	NA	<0.00046 U	NA
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	NS	mg/kg	NA	NA	<0.0045 U	<0.0023 U	<0.002 U	NA	NA	NA	NA	NA	0.013 J	NA	<0.0018 U	NA
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
1,2,4-Trimethylbenzene	95-63-6	**3.6**	3.6	52	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	0.038 J	NA	<0.0018 U	NA
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0067 U	<0.0034 U	<0.0029 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.18 U	NA	<0.0028 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	0.0098 J	NA	<0.0018 U	NA
1,2-Dichloroethane	107-06-2	0.02	0.02	3.1	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 UJ	<0.0021 UJ	<0.0024 U	<0.0022 UJ	<0.062 U	NA	<0.00092 U	NA
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**8.4**	8.4	52	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	0.016 J	NA	<0.0018 U	NA
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
1,3-Dichloropropane	142-28-9	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
1,4-Diethyl Benzene	105-05-5	NS	NS	NS	mg/kg	NA	NA	<0.0045 U	<0.0023 U	<0.002 U	NA	NA	NA	NA	NA	0.034 J	NA	<0.0018 U	NA
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.039 U	<0.05 U	<0.18 U	<0.092 U	<0.078 U	<0.048 U	<0.042 U	<0.041 U	<0.048 U	<0.044 U	<5 U	NA	<0.073 U	NA
2,2-Dichloropropane	594-20-7	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.022 U	<0.011 U	<0.0098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.62 U	NA	<0.0092 U	NA
4-Chlorotoluene	106-43-4	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
4-Ethyltoluene	622-96-8	NS	NS	NS	mg/kg	NA	NA	<0.0045 U	<0.0023 U	<0.002 U	NA	NA	NA	NA	NA	0.049 J	NA	<0.0018 U	NA
Acetone	67-64-1	**0.05**	0.05	100	mg/kg	<0.0039 U	0.017 J	<0.022 U	0.029	0.0077 J	0.039	0.022 J	0.013 J	<0.0048 U	<0.0044 U	<0.62 U	NA	0.011	NA
Acrolein	107-02-8	NS	NS	NS	mg/kg	<0.0039 U	<0.005 U	NA	NA	NA	<0.0048 U	<0.0042 U	<0.0041 U	<0.0048 U	<0.0044 U	NA	NA	NA	NA
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.009 U	<0.0046 U	<0.0039 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.25 U	NA	<0.0037 U	NA
Benzene	71-43-2	0.06	0.06	4.8	mg/kg	<0.0019 U	<0.0025 U	<0.0011 U	<0.00057 U	<0.00049 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.031 U	NA	<0.00046 U	NA
Bromobenzene	108-86-1	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0011 U	<0.00057 U	<0.00049 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.031 U	NA	<0.00046 U	NA
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.009 U	<0.0046 U	<0.0039 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.25 U	NA	<0.0037 U	NA
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0045 UJ	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.022 U	<0.011 U	<0.0098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.62 U	NA	<0.0092 U	NA
Carbon Tetrachloride	56-23-5	0.76	0.76	2.4	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
Chlorobenzene	108-90-7	1.1	1.1	100	mg/kg	<0.0019 U	<0.0025 U	<0.0011 U	<0.00057 U	<0.00049 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.031 U	NA	<0.00046 U	NA
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
Chloroform	67-66-3	0.37	0.37	49	mg/kg	<0.0019 U	<0.0025 U	0.00037 J	<0.0017 U	<0.0015 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.093 U	NA	<0.0014 U	NA
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.009 U	<0.0046 U	<0.0039 U	<0.0024 U	<0.0021 UJ	<0.0021 UJ	<0.0024 UJ	<0.0022 UJ	<0.25 U	NA	<0.0037 U	NA
Cis-1,2-Dichloroethene	156-59-2	**0.25**	0.25	100	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	**2.1**	NA	0.00061 J	NA
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0011 U	<0.00057 U	<0.00049 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.031 U	NA	<0.00046 U	NA
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	NA	NA	NA	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	NA	NA	NA	NA
Cymene	99-87-6	NS	NS	NS	mg/kg	NA	NA	<0.0022 U	<0.0011 U	<0.00098 U	NA	NA	NA	NA	NA	<0.062 U	NA	<0.00092 U	NA
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.022 U	<0.011 U	<0.0098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 UJ	<0.0022 U	<0.62 U	NA	<0.0092 U	NA
Diethyl Ether (Ethyl Ether)	60-29-7	NS	NS	NS	mg/kg	NA	NA	<0.0045 UJ	<0.0023 U	<0.002 U	NA	NA	NA	NA	NA	<0.12 U	NA	<0.0018 U	NA
Ethylbenzene	100-41-4	**1**	1	41	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	0.016 J	NA	<0.00092 U	NA
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.009 U	<0.0046 U	<0.0039 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.25 U	NA	<0.0037 U	NA
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.0039 U	<0.005 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0048 U	<0.0042 U	<0.0041 U	<0.0048 U	<0.0044 U	0.074 J	NA	<0.0018 U	NA
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	NA	NA	NA	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	0.12	100	mg/kg	<0.0019 U	<0.0025 U	<0.022 U	<0.011 U	<0.0098 U	<0.0024 U	<0.0021 UJ	<0.0021 UJ	<0.0024 U	<0.0022 UJ	<0.62 UJ	NA	0.002 J	NA
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.022 U	<0.011 U	<0.0098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.62 U	NA	<0.0092 U	NA
Methylcyclohexane	108-87-2	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	NA	NA	NA	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	NA	NA	NA	NA
Methylene Chloride	75-09-2	0.05	0.05	100	mg/kg	<0.0039 U	0.0079 J	<0.011 U	<0.0057 U	<0.0049 U	0.0068 J	<0.0042 U	<0.0041 U	<0.0048 U	<0.0044 U	<0.31 U	NA	<0.0046 U	NA
Naphthalene	91-20-3	12	12	100	mg/kg	NA	NA	<0.009 U	0.022	0.02	NA	NA	NA	NA	NA	<0.25 U	NA	<0.0037 U	NA
n-Butylbenzene	104-51-8	**12**	12	100	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
n-Propylbenzene	103-65-1	**3.9**	3.9	100	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	0.021 J	NA	<0.00092 U	NA
p-Cymene (p-Isopropyltoluene)	CYMP	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	NA	NA	NA	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	NA	NA	NA	NA
Sec-Butylbenzene	135-98-8	**11**	11	100	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
Styrene	100-42-5	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
T-Butylbenzene	98-06-6	5.9	5.9	100	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
Tert-Butyl Alcohol	75-65-0	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	NA	NA	NA	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	NA	NA	NA	NA
Tert-Butyl Methyl Ether	1634-04-4	0.93	0.93	100	mg/kg	<0.0019 U	<0.0025 U	<0.0045 U	<0.0023 U	<0.002 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.12 U	NA	<0.0018 U	NA
Tetrachloroethene (PCE)	127-18-4	**1.3**	1.3	19	mg/kg	<0.0019 U	0.0052	0.0012	<0.00057 U	<0.00049 U	0.012	0.0022 J	0.0024 J	0.015 J	<0.0022 U	0.32	NA	0.0022	NA
Toluene	108-88-3	0.7	0.7	100	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	NS	NS	mg/kg	NA	NA	<0.0022 U	<0.0011 U	<0.00098 U	NA	NA	NA	NA	NA	2.6	NA	0.00061 J	NA
Total Xylenes	1330-20-7	**0.26**	1.6	100	mg/kg	<0.0058 U	<0.0075 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0072 U	<0.0063 U	<0.0062 U	<0.0072 U	<0.0066 U	0.095 J	NA	<0.00092 U	NA
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	NS	NS	NS	mg/kg	NA	NA	<0.0011 U	<0.00057 U	<0.00049 U	NA	NA	NA	NA	NA	<0.031 U	NA	<0.00046 U	NA
Trans-1,2-Dichloroethene	156-60-5	**0.19**	0.19	100	mg/kg	<0.0019 U	<0.0025 U	<0.0034 U	<0.0017 U	<0.0015 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	**0.47**	NA	<0.0014 U	NA
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.0022 U	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	NS	mg/kg	NA	NA	<0.011 U	<0.0057 U	<0.0049 U	NA	NA	NA	NA	NA	<0.31 U	NA	<0.0046 U	NA
Trichloroethene (TCE)	79-01-6	**0.47**	0.47	21	mg/kg	<0.0019 U	<0.0025 U	0.003 J	<0.00057 U	<0.00049 U	<0.0024 U	0.003 J	0.0041	0.02	<0.0022 U	**3.1**	NA	0.0018	NA
Trichlorofluoromethane	75-69-4	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.009 UJ	<0.0046 U	<0.0039 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.25 U	NA	<0.0037 U	NA
Vinyl Acetate	108-05-4	NS	NS	NS	mg/kg	<0.0019 U	<0.0025 U	<0.022 U	<0.011 U	<0.0098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0022 U	<0.62 UJ	NA	<0.0092 UJ	NA
Vinyl Chloride	75-01-4	0.02	0.02	0.9	mg/kg	<0.0019 U	<0.0025 U	<0.0022 UJ	<0.0011 U	<0.00098 U	<0.0024 U	<0.0021 U	<0.0021 U	<0.0024 UJ	<0.0022 U	<0.062 U	NA	<0.00092 U	NA
Total BTEX	BTEX	NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.111	NA	ND	NA
Total CVOCs	CVOCS	NS	NS	NS	mg/kg	ND	0.0052	0.0042	ND	ND	0.012	0.0052	0.0065	0.035	ND	5.99	NA	0.00461	NA
Total VOCs	TOTAL VOCS	NS	NS	NS	mg/kg	ND	0.0301	0.00457	0.051	0.0277	0.0578	0.0272	0.0195	0.035	ND	8.8608	NA	0.01822	NA

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB01	SB01	SB01A	SB01A	SB01A	SB02	SB03	SB04	SB05	SB06	SB07	SB07	SB07	SB07
					Sample Name	SB01_0.5-2.5	DUP20220826	SB01_2-4	SB01_10-12	DUP01_060923	SB02_0.5-2.5	SB03_0.5-2.5	SB04_20-22	SB05_2-3	SB06_18-20	SB07_1-3	SB07_1-3_R	SB07_5-7	SB07_5-7_R
					Sample Date	08/26/2022	08/26/2022	06/19/2023	06/09/2023	06/09/2023	08/26/2022	08/29/2022	08/29/2022	08/29/2022	08/29/2022	10/24/2022	06/12/2023	10/24/2022	06/12/2023
					Sample Depth	8.5-10.5	8.5-10.5	10-12	18-20	18-20	8.5-10.5	0.5-2.5	20-22	2-3	18-20	1-3	1-3	5-7	5-7
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds																			
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.0918 U	<0.0889 U	<0.23 U	<0.18 U	<0.18 U	<0.0868 U	<0.0912 U	<0.0879 U	<0.0915 U	<0.0839 U	<0.92 U	NA	<0.18 U	NA
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	NA	NA	NA	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	NA	NA	<0.035 U	<0.028 U	<0.027 U	NA	NA	NA	NA	NA	<0.14 U	<0.15 U	<0.027 U	<0.031 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	<0.0918 U	<0.0889 U	NA	NA	NA	<0.0868 U	<0.0912 U	<0.0879 U	<0.0915 U	<0.0839 U	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.14 U	<0.11 U	<0.11 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.55 U	NA	<0.11 U	NA
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.21 U	<0.16 U	<0.16 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.82 U	NA	<0.16 U	NA
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.0918 U	<0.0889 U	<1.1 U	<0.88 U	<0.85 U	<0.0868 U	<0.0912 U	<0.0879 U	<0.0915 U	<0.0839 U	<4.4 U	NA	<0.86 U	NA
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	0.049 J	2.1	2.5	0.059 JD	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<1.1 U	NA	<0.21 U	NA
2-Methylphenol (o-Cresol)	95-48-7	0.33	0.33	100	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.0918 U	<0.0889 U	<0.23 U	<0.18 U	<0.18 U	<0.0868 U	<0.0912 U	<0.0879 U	<0.0915 U	<0.0839 U	<0.92 U	NA	<0.18 U	NA
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.5 U	<0.4 U	<0.38 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<2 U	NA	<0.38 U	NA
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	0.33	100	mg/kg	<0.046 U	<0.0445 U	<0.33 U	<0.26 U	<0.26 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<1.3 U	NA	<0.26 U	NA
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.0918 U	<0.0889 U	<0.23 U	<0.18 U	<0.18 U	<0.0868 U	<0.0912 U	<0.0879 U	<0.0915 U	<0.0839 U	<0.92 U	NA	<0.18 U	NA
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.0918 U	<0.0889 U	<0.6 U	<0.48 U	<0.46 U	<0.0868 U	<0.0912 U	<0.0879 U	<0.0915 U	<0.0839 U	<2.4 U	NA	<0.46 U	NA
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.0918 U	<0.0889 U	<0.23 U	<0.18 U	<0.18 U	<0.0868 U	<0.0912 U	<0.0879 U	<0.0915 U	<0.0839 U	<0.92 U	NA	<0.18 U	NA
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.0918 U	<0.0889 U	<0.32 U	<0.26 U	<0.25 U	<0.0868 U	<0.0912 U	<0.0879 U	<0.0915 U	<0.0839 U	<1.3 U	NA	<0.25 U	NA
Acenaphthene	83-32-9	20	98	100	mg/kg	<0.046 U	<0.0445 U	0.13 J	1.5	2	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.73 U	NA	<0.14 U	NA
Acenaphthylene	208-96-8	100	107	100	mg/kg	0.0492 J	0.646 J	0.25	0.58	0.74	<0.0435 U	<0.0457 U	<0.0441 U	0.0549 JD	<0.0421 U	0.24 J	NA	<0.14 U	NA
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	0.03 J	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	0.15 J	NA	<0.18 U	NA
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	<0.184 U	<0.178 U	NA	NA	NA	<0.174 U	<0.183 U	<0.176 U	<0.183 U	<0.168 U	NA	NA	NA	NA
Anthracene	120-12-7	100	1000	100	mg/kg	<0.046 UJ	0.523 J	0.61	3.4	4.3	<0.0435 U	<0.0457 U	<0.0441 U	0.0563 JD	<0.0421 U	0.25 J	NA	<0.11 U	NA
Atrazine	1912-24-9	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	NA	NA	NA	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	NA	NA	NA	NA
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	NA	NA	NA	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	NA	NA	NA	NA
Benzidine	92-87-5	NS	NS	NS	mg/kg	<0.184 U	<0.178 U	NA	NA	NA	<0.174 U	<0.183 U	<0.176 U	<0.183 U	<0.168 U	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	**1**	1	1	mg/kg	0.106 J	**1.86 J**	**2.2**	**4.4**	**6.2**	<0.0435 U	0.0554 JD	<0.0441 U	0.229 D	<0.0421 U	**1.3**	NA	<0.11 U	NA
Benzo(a)pyrene	50-32-8	**1**	22	1	mg/kg	0.0829 J	**1.39 J**	**2.1**	**3.2**	**4.5**	<0.0435 U	0.0547 JD	<0.0441 U	0.203 D	<0.0421 U	**1.6**	NA	<0.14 U	NA
Benzo(b)fluoranthene	205-99-2	**1**	1.7	1	mg/kg	0.0521 J	0.762 J	**2.3**	**4.3**	**6.3**	<0.0435 U	0.0459 JD	<0.0441 U	0.162 D	<0.0421 U	**2.2**	NA	<0.11 U	NA
Benzo(g,h,i)Perylene	191-24-2	100	1000	100	mg/kg	<0.046 UJ	0.616 J	1.2	1.7	2.1	<0.0435 U	<0.0457 U	<0.0441 U	0.116 D	<0.0421 U	1.3	NA	<0.14 U	NA
Benzo(k)fluoranthene	207-08-9	**0.8**	1.7	3.9	mg/kg	0.0661 J	**1.34 J**	0.68	**0.92**	**1.1**	<0.0435 U	<0.0457 U	<0.0441 U	0.187 D	<0.0421 U	0.64	NA	<0.11 U	NA
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.75 U	<0.6 U	<0.58 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	1 J	NA	<0.58 U	NA
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.53 U	0.44	0.55	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<2.1 U	NA	<0.41 U	NA
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.25 U	<0.2 U	<0.19 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.99 U	NA	<0.19 U	NA
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.21 U	<0.16 U	<0.16 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.82 U	NA	<0.16 U	NA
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.28 U	<0.22 U	<0.21 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<1.1 UJ	NA	<0.21 UJ	NA
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	0.98	0.13 J	<0.18 U	0.0881 D	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	0.45 J	NA	<0.18 U	NA
Caprolactam	105-60-2	NS	NS	NS	mg/kg	<0.0918 U	<0.0889 U	NA	NA	NA	<0.0868 U	<0.0912 U	<0.0879 U	<0.0915 U	<0.0839 U	NA	NA	NA	NA
Carbazole	86-74-8	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	0.17 J	1.2	1.6	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	0.21 J	NA	<0.18 U	NA
Chrysene	218-01-9	**1**	1	3.9	mg/kg	0.106 J	**1.95 J**	**2**	**4.1**	**5.4**	<0.0435 U	0.054 JD	<0.0441 U	0.22 D	<0.0421 U	**1.4**	NA	<0.11 U	NA
Dibenz(a,h)anthracene	53-70-3	**0.33**	1000	0.33	mg/kg	<0.046 U	0.246 D	0.33	**0.43**	**0.59**	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	0.3 J	NA	<0.11 U	NA
Dibenzofuran	132-64-9	7	210	59	mg/kg	<0.046 U	<0.0445 U	0.1 J	1.5	1.9	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
Dioctyl phthalate	117-84-0	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
Fluoranthene	206-44-0	100	1000	100	mg/kg	0.117 J	2.25 J	3.7	12	15	<0.0435 U	0.0941 D	<0.0441 U	0.399 D	<0.0421 U	2.1	NA	<0.11 U	NA
Fluorene	86-73-7	30	386	100	mg/kg	<0.046 U	<0.0445 U	0.13 J	2.2	2.7	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	0.097 J	NA	<0.18 U	NA
Hexachlorobenzene	118-74-1	0.33	3.2	1.2	mg/kg	<0.046 U	<0.0445 U	<0.14 U	<0.11 U	<0.11 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.55 U	NA	<0.11 U	NA
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
Hexachlorocyclopentadiene	77-47-4	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.66 UJ	<0.53 UJ	<0.51 UJ	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<2.6 U	NA	<0.51 U	NA
Hexachloroethane	67-72-1	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.18 U	<0.15 U	<0.14 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.73 U	NA	<0.14 U	NA
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	8.2	0.5	mg/kg	<0.046 UJ	0.5 J	**1.1**	**2.1**	**2.7**	<0.0435 U	<0.0457 U	<0.0441 U	0.102 D	<0.0421 U	**1.5**	NA	<0.14 U	NA
Isophorone	78-59-1	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.21 U	<0.16 U	<0.16 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.82 U	NA	<0.16 U	NA
Naphthalene	91-20-3	12	12	100	mg/kg	<0.046 U	<0.0445 U	0.055 J	3	3.5	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	0.11 J	NA	<0.18 U	NA
Nitrobenzene	98-95-3	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.21 U	<0.16 U	<0.16 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.82 U	NA	<0.16 U	NA
n-Nitrosodimethylamine	62-75-9	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	NA	NA	NA	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	NA	NA	NA	NA
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.23 U	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.92 U	NA	<0.18 U	NA
n-Nitrosodiphenylamine	86-30-6	NS	NS	NS	mg/kg	<0.046 U	<0.0445 U	<0.18 U	<0.15 U	<0.14 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.73 U	NA	<0.14 U	NA
Pentachlorophenol	87-86-5	0.8	0.8	6.7	mg/kg	<0.046 U	<0.0445 U	<0.18 U	<0.15 U	<0.14 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	<0.73 U	NA	<0.14 U	NA
Phenanthrene	85-01-8	100	1000	100	mg/kg	<0.046 UJ	0.355 J	2.1	18	20	0.0465 JD	0.0693 JD	<0.0441 U	0.173 D	<0.0421 U	0.84	NA	<0.11 U	NA
Phenol	108-95-2	0.33	0.33	100	mg/kg	<0.046 U	<0.0445 U	0.12 J	<0.18 U	<0.18 U	<0.0435 U	<0.0457 U	<0.0441 U	<0.0459 U	<0.0421 U	0.15 J	NA	<0.18 U	NA
Pyrene	129-00-0	100	1000	100	mg/kg	0.167 J	3.55 J	4	11	13	<0.0435 U	0.0751 JD	<0.0441 U	0.34 D	<0.0421 U	2.2	NA	<0.11 U	NA
Pyridine	110-86-1	NS	NS	NS	mg/kg	<0.184 U	<0.178 U	NA	NA	NA	<0.174 U	<0.183 U	<0.176 U	<0.183 U	<0.168 U	NA	NA	NA	NA

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB01	SB01	SB01A	SB01A	SB01A	SB02	SB03	SB04	SB05	SB06	SB07	SB07	SB07	SB07
					Sample Name	SB01_0.5-2.5	DUP20220826	SB01_2-4	SB01_10-12	DUP01_060923	SB02_0.5-2.5	SB03_0.5-2.5	SB04_20-22	SB05_2-3	SB06_18-20	SB07_1-3	SB07_1-3_R	SB07_5-7	SB07_5-7_R
					Sample Date	08/26/2022	08/26/2022	06/19/2023	06/09/2023	06/09/2023	08/26/2022	08/29/2022	08/29/2022	08/29/2022	08/29/2022	10/24/2022	06/12/2023	10/24/2022	06/12/2023
					Sample Depth	8.5-10.5	8.5-10.5	10-12	18-20	18-20	8.5-10.5	0.5-2.5	20-22	2-3	18-20	1-3	1-3	5-7	5-7
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides																			
4,4'-DDD	72-54-8	0.0033	14	13	mg/kg	NA	NA	<0.00218 U	<0.00179 U	<0.0017 U	NA	NA	NA	NA	NA	NA	<0.00198 U	NA	<0.00198 U
4,4'-DDE	72-55-9	0.0033	17	8.9	mg/kg	NA	NA	<0.00218 U	<0.00179 U	<0.0017 U	NA	NA	NA	NA	NA	NA	<0.00198 U	NA	<0.00198 U
4,4'-DDT	50-29-3	**0.0033**	136	7.9	mg/kg	NA	NA	**0.0142**	**0.00753**	**0.00815**	NA	NA	NA	NA	NA	NA	<0.00198 U	NA	<0.00198 U
Aldrin	309-00-2	0.005	0.19	0.097	mg/kg	NA	NA	<0.00218 U	<0.00179 U	<0.0017 U	NA	NA	NA	NA	NA	NA	<0.00198 U	NA	<0.00198 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.02	0.48	mg/kg	NA	NA	<0.000907 U	<0.000748 U	<0.000707 U	NA	NA	NA	NA	NA	NA	<0.000827 U	NA	<0.000825 U
Alpha Chlordane	5103-71-9	0.094	2.9	4.2	mg/kg	NA	NA	0.00131 J	<0.00224 U	0.00218	NA	NA	NA	NA	NA	NA	<0.00248 U	NA	<0.00248 U
Alpha Endosulfan	959-98-8	2.4	102	24	mg/kg	NA	NA	<0.00218 U	<0.00179 U	<0.0017 U	NA	NA	NA	NA	NA	NA	<0.00198 U	NA	<0.00198 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.09	0.36	mg/kg	NA	NA	<0.00218 U	<0.00179 U	<0.0017 U	NA	NA	NA	NA	NA	NA	<0.00198 U	NA	<0.00198 U
Beta Endosulfan	33213-65-9	2.4	102	24	mg/kg	NA	NA	<0.00218 U	<0.00179 U	<0.0017 U	NA	NA	NA	NA	NA	NA	<0.00198 U	NA	<0.00198 U
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	NA	NA	0.0521 J	<0.015 UJ	0.0455 J	NA	NA	NA	NA	NA	NA	<0.0165 U	NA	<0.0165 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	0.25	100	mg/kg	NA	NA	<0.00218 U	<0.00179 U	<0.0017 U	NA	NA	NA	NA	NA	NA	<0.00198 U	NA	<0.00198 U
Dieldrin	60-57-1	0.005	0.1	0.2	mg/kg	NA	NA	<0.00136 U	<0.00112 U	<0.00106 U	NA	NA	NA	NA	NA	NA	<0.00124 U	NA	<0.00124 U
Endosulfan Sulfate	1031-07-8	2.4	1000	24	mg/kg	NA	NA	<0.000907 U	<0.000748 U	<0.000707 U	NA	NA	NA	NA	NA	NA	<0.000827 U	NA	<0.000825 U
Endrin	72-20-8	0.014	0.06	11	mg/kg	NA	NA	<0.000907 U	<0.000748 U	<0.000707 U	NA	NA	NA	NA	NA	NA	<0.000827 U	NA	<0.000825 U
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	NA	NA	<0.00272 U	<0.00224 U	<0.00212 U	NA	NA	NA	NA	NA	NA	<0.00248 U	NA	<0.00248 U
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	NA	NA	<0.00218 U	<0.00179 U	<0.0017 U	NA	NA	NA	NA	NA	NA	<0.00198 U	NA	<0.00198 U
Gamma Bhc (Lindane)	58-89-9	0.1	0.1	1.3	mg/kg	NA	NA	<0.000907 U	<0.000748 U	<0.000707 U	NA	NA	NA	NA	NA	NA	<0.000827 U	NA	<0.000825 U
Gamma Chlordane (Trans)	5103-74-2	NS	NS	NS	mg/kg	NA	NA	0.00136 J	0.00291	0.00275	NA	NA	NA	NA	NA	NA	<0.00248 U	NA	<0.00248 U
Heptachlor	76-44-8	0.042	0.38	2.1	mg/kg	NA	NA	<0.00109 U	<0.000897 U	<0.000849 U	NA	NA	NA	NA	NA	NA	<0.000993 U	NA	<0.00099 U
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	NA	NA	<0.00408 U	<0.00336 U	<0.00318 U	NA	NA	NA	NA	NA	NA	<0.00372 U	NA	<0.00371 U
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	NA	NA	<0.00408 U	<0.00336 U	<0.00318 U	NA	NA	NA	NA	NA	NA	<0.00372 U	NA	<0.00371 U
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	NA	NA	<0.0408 U	<0.0336 U	<0.0318 U	NA	NA	NA	NA	NA	NA	<0.0372 U	NA	<0.0371 U
Herbicides																			
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	NA	NA	<0.233 U	<0.185 U	<0.178 U	NA	NA	NA	NA	NA	NA	<0.201 U	NA	<0.206 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	NA	NA	<0.233 U	<0.185 U	<0.178 U	NA	NA	NA	NA	NA	NA	<0.201 U	NA	<0.206 U
Silvex (2,4,5-Tp)	93-72-1	3.8	3.8	100	mg/kg	NA	NA	<0.233 U	<0.185 U	<0.178 U	NA	NA	NA	NA	NA	NA	<0.201 U	NA	<0.206 U
Polychlorinated Biphenyl																			
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	NA	NA	<0.0649 U	<0.0531 U	<0.0533 U	NA	NA	NA	NA	NA	NA	<0.0602 U	NA	<0.0598 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	NA	NA	<0.0649 U	<0.0531 U	<0.0533 U	NA	NA	NA	NA	NA	NA	<0.0602 U	NA	<0.0598 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	NA	NA	<0.0649 U	<0.0531 U	<0.0533 U	NA	NA	NA	NA	NA	NA	<0.0602 U	NA	<0.0598 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	NA	NA	<0.0649 U	<0.0531 U	<0.0533 U	NA	NA	NA	NA	NA	NA	<0.0602 U	NA	<0.0598 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	NA	NA	<0.0649 U	<0.0531 U	<0.0533 U	NA	NA	NA	NA	NA	NA	<0.0602 U	NA	<0.0598 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	NA	NA	<0.0649 U	0.0246 J	0.0393 J	NA	NA	NA	NA	NA	NA	<0.0602 U	NA	<0.0598 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	NA	NA	0.035 J	<0.0531 U	<0.0533 U	NA	NA	NA	NA	NA	NA	0.0498 J	NA	<0.0598 U
PCB-1262 (Aroclor 1262)	37324-23-5	NS	NS	NS	mg/kg	NA	NA	<0.0649 U	<0.0531 U	<0.0533 U	NA	NA	NA	NA	NA	NA	<0.0602 U	NA	<0.0598 U
PCB-1268 (Aroclor 1268)	11100-14-4	NS	NS	NS	mg/kg	NA	NA	0.0102 J	0.011 J	0.0133 J	NA	NA	NA	NA	NA	NA	<0.0602 U	NA	<0.0598 U
Total PCBs	1336-36-3	0.1	3.2	1	mg/kg	NA	NA	0.0452 J	<0.0531 U	<0.0533 U	NA	NA	NA	NA	NA	NA	0.0498 J	NA	<0.0598 U
Metals																			
Aluminum	7429-90-5	NS	NS	NS	mg/kg	NA	NA	6,200	5,350	5,050	NA	NA	NA	NA	NA	4,870	NA	3,730	NA
Antimony	7440-36-0	NS	NS	NS	mg/kg	NA	NA	6.22	<4.42 U	<4.22 U	NA	NA	NA	NA	NA	5.48	NA	<4.06 U	NA
Arsenic	7440-38-2	**13**	16	16	mg/kg	NA	NA	9.56	3.66	5.13	NA	NA	NA	NA	NA	**29.5**	NA	1.48	NA
Barium	7440-39-3	**350**	820	400	mg/kg	NA	NA	108	69	106	NA	NA	NA	NA	NA	189	NA	17	NA
Beryllium	7440-41-7	7.2	47	72	mg/kg	NA	NA	0.595	0.336 J	0.33 J	NA	NA	NA	NA	NA	0.555	NA	0.235 J	NA
Cadmium	7440-43-9	**2.5**	7.5	4.3	mg/kg	NA	NA	0.805 J	0.491 J	0.704 J	NA	NA	NA	NA	NA	**3.73**	NA	<0.812 U	NA
Calcium	7440-70-2	NS	NS	NS	mg/kg	NA	NA	11,900	16,400	15,200	NA	NA	NA	NA	NA	10,600	NA	532	NA
Chromium, Hexavalent	18540-29-9	1	19	110	mg/kg	NA	NA	0.395 J	<0.907 U	<0.87 U	NA	NA	NA	NA	NA	NA	0.224 J	NA	0.567 J
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	NA	NA	**239**	**42.4**	**30.2**	NA	NA	NA	NA	NA	**19.4**	NA	**15.1**	NA
Chromium, Trivalent	16065-83-1	**30**	NS	180	mg/kg	NA	NA	**239 J**	**42.4**	**30.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	7440-48-4	NS	NS	NS	mg/kg	NA	NA	8.97	5.02	4.93	NA	NA	NA	NA	NA	4.47	NA	2.36	NA
Copper	7440-50-8	**50**	1720	270	mg/kg	NA	NA	**100**	**128**	**118**	NA	NA	NA	NA	NA	**637**	NA	9.83	NA
Cyanide	57-12-5	27	40	27	mg/kg	NA	NA	<1.3 U	<1.1 U	<1 U	NA	NA	NA	NA	NA	NA	<1.1 U	NA	<1.2 U
Iron	7439-89-6	NS	NS	NS	mg/kg	NA	NA	26,800	12,600	13,400	NA	NA	NA	NA	NA	15,000	NA	9,250	NA
Lead	7439-92-1	**63**	450	400	mg/kg	NA	NA	**97.8**	**209**	**199**	NA	NA	NA	NA	NA	**499**	NA	2.18 J	NA
Magnesium	7439-95-4	NS	NS	NS	mg/kg	NA	NA	2,060	4,620	5,650	NA	NA	NA	NA	NA	2,520	NA	1,180	NA
Manganese	7439-96-5	1600	2000	2000	mg/kg	NA	NA	231	208	258	NA	NA	NA	NA	NA	83.3	NA	66.1	NA
Mercury	7439-97-6	**0.18**	0.73	0.81	mg/kg	NA	NA	0.141	**0.277**	**0.182**	NA	NA	NA	NA	NA	0.148	NA	<0.07 U	NA
Nickel	7440-02-0	**30**	130	310	mg/kg	NA	NA	**116**	13.6	18.9	NA	NA	NA	NA	NA	**42.1**	NA	6.53	NA
Potassium	7440-09-7	NS	NS	NS	mg/kg	NA	NA	973	596	530	NA	NA	NA	NA	NA	477	NA	460	NA
Selenium	7782-49-2	**3.9**	4	180	mg/kg	NA	NA	1.1 J	0.552 J	0.645 J	NA	NA	NA	NA	NA	1.17 J	NA	<1.62 U	NA
Silver	7440-22-4	**2**	8.3	180	mg/kg	NA	NA	<0.547 U	<0.442 U	0.283 J	NA	NA	NA	NA	NA	0.698	NA	<0.406 U	NA
Sodium	7440-23-5	NS	NS	NS	mg/kg	NA	NA	927	234	325	NA	NA	NA	NA	NA	215	NA	<162 U	NA
Thallium	7440-28-0	NS	NS	NS	mg/kg	NA	NA	0.574 J	<1.77 U	0.309 J	NA	NA	NA	NA	NA	0.468 J	NA	<1.62 U	NA
Vanadium	7440-62-2	NS	NS	NS	mg/kg	NA	NA	20.3	16.3	19.1	NA	NA	NA	NA	NA	180	NA	12	NA
Zinc	7440-66-6	**109**	2480	10000	mg/kg	NA	NA	**591**	**327**	**539**	NA	NA	NA	NA	NA	**1,990**	NA	11.2	NA
General Chemistry																			
Total Solids	TSOLID	NS	NS	NS	Percent	88.5	91.1	70.9	88.2	92	93.9	89.9	94.3	88.8	96.8	89.4	80.2	92.6	79.4

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB01	SB01	SB01A	SB01A	SB01A	SB02	SB03	SB04	SB05	SB06	SB07	SB07	SB07	SB07
					Sample Name	SB01_0.5-2.5	DUP20220826	SB01_2-4	SB01_10-12	DUP01_060923	SB02_0.5-2.5	SB03_0.5-2.5	SB04_20-22	SB05_2-3	SB06_18-20	SB07_1-3	SB07_1-3_R	SB07_5-7	SB07_5-7_R
					Sample Date	08/26/2022	08/26/2022	06/19/2023	06/09/2023	06/09/2023	08/26/2022	08/29/2022	08/29/2022	08/29/2022	08/29/2022	10/24/2022	06/12/2023	10/24/2022	06/12/2023
					Sample Depth	8.5-10.5	8.5-10.5	10-12	18-20	18-20	8.5-10.5	0.5-2.5	20-22	2-3	18-20	1-3	1-3	5-7	5-7
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Perfluorooctanoic acids																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	NS	NS	mg/kg	NA	NA	<0.000791 U	<0.000787 U	<0.000786 U	NA	NA	NA	NA	NA	NA	<0.000799 U	NA	<0.0008 U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	6HPFHXSA	NS	NS	NS	mg/kg	NA	NA	<0.000791 U	<0.000787 UJ	<0.000786 UJ	NA	NA	NA	NA	NA	NA	<0.000799 U	NA	<0.0008 U
3:3 FTCA	356-02-5	NS	NS	NS	mg/kg	NA	NA	<0.000989 U	<0.000984 U	<0.000983 U	NA	NA	NA	NA	NA	NA	<0.000999 U	NA	<0.001 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	NS	NS	mg/kg	NA	NA	<0.000791 U	<0.000787 U	<0.000786 U	NA	NA	NA	NA	NA	NA	<0.000799 U	NA	<0.0008 U
5:3 FTCA	914637-49-3	NS	NS	NS	mg/kg	NA	NA	<0.00494 U	<0.00492 U	<0.00491 U	NA	NA	NA	NA	NA	NA	<0.005 U	NA	<0.005 U
7:3 FTCA	812-70-4	NS	NS	NS	mg/kg	NA	NA	<0.00494 U	<0.00492 U	<0.00491 U	NA	NA	NA	NA	NA	NA	<0.005 U	NA	<0.005 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	NS	NS	mg/kg	NA	NA	<0.000791 U	<0.000787 U	<0.000786 U	NA	NA	NA	NA	NA	NA	<0.000799 U	NA	<0.0008 U
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 UJ	NA	<0.0002 U
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
N-ethylperfluorooctane sulfonamidoe	1691-99-2	NS	NS	NS	mg/kg	NA	NA	<0.00198 U	<0.00197 U	<0.00196 U	NA	NA	NA	NA	NA	NA	<0.002 U	NA	<0.002 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
N-methylperfluorooctane sulfonamide	31506-32-8	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	NS	NS	mg/kg	NA	NA	<0.00198 U	<0.00197 U	<0.00196 U	NA	NA	NA	NA	NA	NA	<0.002 U	NA	<0.002 U
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	NS	NS	mg/kg	NA	NA	<0.000396 U	<0.000394 U	<0.000393 U	NA	NA	NA	NA	NA	NA	<0.0004 U	NA	<0.0004 U
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	NS	NS	mg/kg	NA	NA	<0.000396 U	<0.000394 U	<0.000393 U	NA	NA	NA	NA	NA	NA	<0.0004 U	NA	<0.0004 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	NS	NS	mg/kg	NA	NA	<0.000396 U	<0.000394 U	<0.000393 U	NA	NA	NA	NA	NA	NA	<0.0004 U	NA	<0.0004 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	NS	NS	mg/kg	NA	NA	<0.000396 U	<0.000394 U	<0.000393 U	NA	NA	NA	NA	NA	NA	<0.0004 U	NA	<0.0004 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	mg/kg	NA	NA	0.000063 J	0.000087 J	0.000087 J	NA	NA	NA	NA	NA	NA	0.000048 J	NA	<0.0002 U
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	NA	NA	<0.000791 U	<0.000787 U	<0.000786 U	NA	NA	NA	NA	NA	NA	<0.000799 U	NA	<0.0008 U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	0.000055 J	0.000047 J	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	0.000031 J	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	0.000063 J	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	0.000064 J	NA	<0.0002 U
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	**0.00088**	0.001	0.044	mg/kg	NA	NA	<0.000198 U	0.000299	0.000291	NA	NA	NA	NA	NA	NA	0.000631	NA	0.00012 J
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.0008	0.033	mg/kg	NA	NA	0.000119 J	0.000087 J	0.000142 J	NA	NA	NA	NA	NA	NA	0.00008 J	NA	0.000056 J
Perfluoropentanesulfonic Acid	2706-91-4	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	NA	NA	<0.000396 U	<0.000394 U	<0.000393 U	NA	NA	NA	NA	NA	NA	<0.0004 U	NA	<0.0004 U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	<0.000197 U	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	NA	NA	<0.000198 U	0.000063 J	<0.000196 U	NA	NA	NA	NA	NA	NA	<0.0002 U	NA	<0.0002 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	NA	NA	<0.000791 U	<0.000787 UJ	<0.000786 UJ	NA	NA	NA	NA	NA	NA	<0.000799 UJ	NA	<0.0008 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	NA	NA	<0.000791 U	<0.000787 U	<0.000786 U	NA	NA	NA	NA	NA	NA	<0.000799 U	NA	<0.0008 U
Tetrafluoro-2- (heptafluoropropoxy) propanoic Acid	13252-13-6	NS	NS	NS	mg/kg	NA	NA	<0.000791 U	<0.000787 U	<0.000786 U	NA	NA	NA	NA	NA	NA	<0.000799 U	NA	<0.0008 U

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB07	SB07-1A	SB07-1A	SB07-1B	SB07-1B	SB07-1B	SB07-1C	SB07-1C	SB07-1D	SB07-1D	SB07-1D	SB07-2A	SB07-2B	SB07-2C	SB07-2D	SB08	SB08	SB08
					Sample Name	SB07_8-10	SB07_1A_1-3	SB07_1A_5-7	SB07-1B_1-3	SB07-1B_5-7	SB07-1B_57-59	SB07-1C_1-3	SB07-1C_5-7	SB07-1D_1-3	SB07-1D_5-7	DUP02_061323	SB07-2A_1-3	SB07-2B_1-3	SB07-2C_1-3	SB07-2D_1-3	SB08_1-3	SB08_5-7	SB08_5-7_R
					Sample Date	06/12/2023	06/12/2023	06/12/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/15/2023	06/14/2023	06/14/2023	06/14/2023	06/09/2023	10/24/2022	06/09/2023
					Sample Depth	8-10	1-3	5-7	1-3	5-7	57-59	1-3	5-7	1-3	5-7	5-7	1-3	1-3	1-3	1-3	1-3	5-7	5-7
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																							
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.00046 U	<0.024 U	<0.00042 U	<0.028 U	<0.024 U	<0.00046 U	<0.031 U	<0.035 U	<0.069 U	<0.0006 U	<0.00059 U	<0.00055 U	<0.034 U	<0.00044 U	<0.00057 U	<0.00082 U	<0.00052 UJ	NA
1,1,1-Trichloroethane	71-55-6	0.68	0.68	100	mg/kg	<0.00046 U	<0.024 U	<0.00042 U	<0.028 U	<0.024 U	<0.00046 U	<0.031 U	<0.035 U	<0.069 U	<0.0006 U	<0.00059 U	<0.00055 U	<0.034 U	<0.00044 U	<0.00057 U	<0.00082 U	<0.00052 UJ	NA
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.00046 U	<0.024 U	<0.00042 U	<0.028 U	<0.024 U	<0.00046 U	<0.031 U	<0.035 U	<0.069 U	<0.0006 U	<0.00059 U	<0.00055 U	<0.034 U	<0.00044 U	<0.00057 U	<0.00082 U	<0.00052 UJ	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
1,1-Dichloroethane	75-34-3	0.27	0.27	26	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
1,1-Dichloroethene	75-35-4	0.33	0.33	100	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
1,1-Dichloropropene	563-58-6	NS	NS	NS	mg/kg	<0.00046 U	<0.024 U	<0.00042 U	<0.028 U	<0.024 U	<0.00046 U	<0.031 U	<0.035 U	<0.069 U	<0.0006 U	<0.00059 U	<0.00055 U	<0.034 U	<0.00044 U	<0.00057 U	<0.00082 U	<0.00052 UJ	NA
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	0.18 J	<0.0024 U	<0.0024 U	<0.0022 U	0.016 J	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	0.044 J	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
1,2,4-Trimethylbenzene	95-63-6	**3.6**	3.6	52	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	0.066 J	<0.0024 U	<0.0024 U	<0.0022 U	0.022 J	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0027 U	<0.15 U	<0.0025 U	<0.17 U	<0.14 U	<0.0028 U	<0.18 U	<0.21 U	<0.42 U	<0.0036 U	<0.0035 U	<0.0033 U	<0.2 U	<0.0026 U	<0.0034 U	<0.0049 U	<0.0031 UJ	NA
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	0.1 J	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
1,2-Dichloroethane	107-06-2	0.02	0.02	3.1	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**8.4**	8.4	52	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
1,3-Dichloropropane	142-28-9	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	0.048 J	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
1,4-Diethyl Benzene	105-05-5	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	0.057 J	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.073 U	<3.9 U	<0.066 U	<4.6 U	<3.8 U	<0.074 U	<4.9 U	<5.6 U	<11 U	<0.096 U	<0.095 U	<0.088 U	<5.4 U	<0.071 U	<0.092 U	<0.13 U	<0.083 UJ	NA
2,2-Dichloropropane	594-20-7	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.0091 U	<0.49 U	<0.0083 U	<0.57 U	<0.48 U	<0.0093 U	<0.61 U	<0.7 U	<1.4 U	<0.012 U	<0.012 U	<0.011 U	<0.67 U	<0.0088 U	<0.011 U	<0.016 U	<0.01 UJ	NA
4-Chlorotoluene	106-43-4	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
4-Ethyltoluene	622-96-8	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	0.065 J	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
Acetone	67-64-1	**0.05**	0.05	100	mg/kg	0.015	<0.49 U	0.0097	<0.57 U	<0.48 U	<0.0093 U	<0.61 U	<0.7 U	<1.4 U	<0.012 U	<0.012 U	<0.011 U	<0.67 U	<0.0088 U	<0.011 U	<0.016 U	<0.01 UJ	NA
Acrolein	107-02-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0036 U	<0.2 U	<0.0033 U	<0.23 U	<0.19 U	<0.0037 U	<0.24 U	<0.28 U	<0.55 U	<0.0048 U	<0.0047 U	<0.0044 U	<0.27 U	<0.0035 U	<0.0046 U	<0.0066 U	<0.0041 UJ	NA
Benzene	71-43-2	0.06	0.06	4.8	mg/kg	<0.00046 U	<0.024 U	<0.00042 U	<0.028 U	<0.024 U	<0.00046 U	<0.031 U	<0.035 U	<0.069 U	<0.0006 U	<0.00059 U	<0.00055 U	<0.034 U	<0.00044 U	<0.00057 U	<0.00082 U	<0.00052 UJ	NA
Bromobenzene	108-86-1	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.00046 U	<0.024 U	<0.00042 U	<0.028 U	<0.024 U	<0.00046 U	<0.031 U	<0.035 U	<0.069 U	<0.0006 U	<0.00059 U	<0.00055 U	<0.034 U	<0.00044 U	<0.00057 U	<0.00082 U	<0.00052 UJ	NA
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0036 U	<0.2 U	<0.0033 U	<0.23 U	<0.19 U	<0.0037 U	<0.24 U	<0.28 U	<0.55 U	<0.0048 U	<0.0047 U	<0.0044 U	<0.27 U	<0.0035 U	<0.0046 U	<0.0066 U	<0.0041 UJ	NA
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.0091 U	<0.49 U	<0.0083 U	<0.57 U	<0.48 U	<0.0093 U	<0.61 U	<0.7 U	<1.4 U	<0.012 U	<0.012 U	<0.011 U	<0.67 U	<0.0088 U	<0.011 U	<0.016 U	<0.01 UJ	NA
Carbon Tetrachloride	56-23-5	0.76	0.76	2.4	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	0.003 J	NA
Chlorobenzene	108-90-7	1.1	1.1	100	mg/kg	<0.00046 U	<0.024 U	<0.00042 U	<0.028 U	<0.024 U	<0.00046 U	<0.031 U	<0.035 U	0.074	<0.0006 U	<0.00059 U	<0.00055 U	<0.034 U	<0.00044 U	<0.00057 U	<0.00082 U	<0.00052 UJ	NA
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
Chloroform	67-66-3	0.37	0.37	49	mg/kg	<0.0014 U	<0.073 U	<0.0012 U	0.025 J	<0.071 U	<0.0014 U	0.021 J	<0.1 U	<0.21 U	<0.0018 U	<0.0018 U	<0.0016 U	<0.1 U	<0.0013 U	<0.0017 U	0.0014 J	0.0025 J	NA
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0036 U	<0.2 U	<0.0033 U	<0.23 U	<0.19 U	<0.0037 U	<0.24 U	<0.28 U	<0.55 U	<0.0048 U	<0.0047 U	<0.0044 U	<0.27 U	<0.0035 U	<0.0046 U	<0.0066 U	<0.0041 UJ	NA
Cis-1,2-Dichloroethene	156-59-2	**0.25**	0.25	100	mg/kg	0.0062	**0.36**	0.01	**3.7**	**0.31**	0.00054 J	**1.6**	**0.75**	**7**	0.036 J	**0.59 J**	0.0008 J	<0.067 U	<0.00088 U	0.0012	0.00049 J	0.00038 J	NA
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.00046 U	<0.024 U	<0.00042 U	<0.028 U	<0.024 U	<0.00046 U	<0.031 U	<0.035 U	<0.069 U	<0.0006 U	<0.00059 U	<0.00055 U	<0.034 U	<0.00044 U	<0.00057 U	<0.00082 U	<0.00052 UJ	NA
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene	99-87-6	NS	NS	NS	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.0091 U	<0.49 U	<0.0083 U	<0.57 U	<0.48 U	<0.0093 U	<0.61 U	<0.7 U	<1.4 U	<0.012 U	<0.012 U	<0.011 U	<0.67 U	<0.0088 U	<0.011 U	<0.016 U	<0.01 UJ	NA
Diethyl Ether (Ethyl Ether)	60-29-7	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
Ethylbenzene	100-41-4	**1**	1	41	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	0.019 J	<0.07 U	0.031 J	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0036 U	<0.2 U	<0.0033 U	<0.23 U	<0.19 U	<0.0037 U	<0.24 U	<0.28 U	<0.55 U	<0.0048 U	<0.0047 U	<0.0044 U	<0.27 U	<0.0035 U	<0.0046 U	<0.0066 U	<0.0041 UJ	NA
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	0.079 J	<0.14 U	0.14 J	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	0.12	100	mg/kg	<0.0091 U	<0.49 U	<0.0083 U	<0.57 U	<0.48 U	<0.0093 U	<0.61 U	<0.7 U	<1.4 U	<0.012 U	<0.012 U	<0.011 U	<0.67 U	<0.0088 U	<0.011 U	<0.016 U	<0.01 UJ	NA
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	<0.0091 U	<0.49 U	<0.0083 U	<0.57 U	<0.48 U	<0.0093 U	<0.61 U	<0.7 U	<1.4 U	<0.012 U	<0.012 U	<0.011 U	<0.67 U	<0.0088 U	<0.011 U	<0.016 U	<0.01 UJ	NA
Methylcyclohexane	108-87-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	75-09-2	0.05	0.05	100	mg/kg	<0.0046 U	<0.24 U	<0.0042 U	<0.28 U	<0.24 U	<0.0046 U	<0.31 U	<0.35 U	<0.69 U	<0.006 U	<0.0059 U	<0.0055 U	<0.34 U	<0.0044 U	<0.0057 U	<0.0082 U	<0.0052 UJ	NA
Naphthalene	91-20-3	12	12	100	mg/kg	<0.0036 U	<0.2 U	<0.0033 U	0.041 J	<0.19 U	<0.0037 U	0.04 J	<0.28 U	<0.55 U	<0.0048 U	<0.0047 U	<0.0044 U	1.2	<0.0035 U	<0.0046 U	<0.0066 U	<0.0041 UJ	NA
n-Butylbenzene	104-51-8	**12**	12	100	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
n-Propylbenzene	103-65-1	**3.9**	3.9	100	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	0.043 J	<0.07 U	0.11 J	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
p-Cymene (p-Isopropyltoluene)	CYMP	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sec-Butylbenzene	135-98-8	**11**	11	100	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
Styrene	100-42-5	NS	NS	NS	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	0.00045 J	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
T-Butylbenzene	98-06-6	5.9	5.9	100	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
Tert-Butyl Alcohol	75-65-0	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tert-Butyl Methyl Ether	1634-04-4	0.93	0.93	100	mg/kg	<0.0018 U	<0.098 U	<0.0017 U	<0.11 U	<0.095 U	<0.0018 U	<0.12 U	<0.14 U	<0.28 U	<0.0024 U	<0.0024 U	<0.0022 U	<0.13 U	<0.0018 U	<0.0023 U	<0.0033 U	<0.0021 UJ	NA
Tetrachloroethene (PCE)	127-18-4	**1.3**	1.3	19	mg/kg	0.015	**3**	0.037	**32**	**2.9**	0.0039	**6.1**	**2.5**	**7.7**	0.012 J	1.1 J	0.027	**3.1**	0.0042	0.037	0.086	0.4 J	NA
Toluene	108-88-3	0.7	0.7	100	mg/kg	<0.00091 U	0.035 J	<0.00083 U	0.11	0.1	<0.00093 U	0.048 J	0.094	0.091 J	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	NS	NS	mg/kg	0.0063 J	0.38 J	0.01 J	3.8	0.32 J	0.00054 J	1.8	0.79 J	7.4	0.038 J	0.62 J	0.0008 J	<0.067 U	<0.00088 U	0.0012	0.00049 J	0.00038 J	NA
Total Xylenes	1330-20-7	**0.26**	1.6	100	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	0.12 J	<0.07 U	0.25 J	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	NS	NS	NS	mg/kg	<0.00046 U	<0.024 U	<0.00042 U	<0.028 U	<0.024 U	<0.00046 U	<0.031 U	<0.035 U	<0.069 U	<0.0006 U	<0.00059 U	<0.00055 U	<0.034 U	<0.00044 U	<0.00057 U	<0.00082 U	<0.00052 UJ	NA
Trans-1,2-Dichloroethene	156-60-5	**0.19**	0.19	100	mg/kg	0.00014 J	0.019 J	0.00037 J	0.098	0.0093 J	<0.0014 U	0.16	0.035 J	**0.41**	0.0016 J	0.03 J	<0.0016 U	<0.1 U	<0.0013 U	<0.0017 U	<0.0024 U	<0.0016 UJ	NA
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	NS	mg/kg	<0.0046 U	<0.24 U	<0.0042 U	<0.28 U	<0.24 U	<0.0046 U	<0.31 U	<0.35 U	<0.69 U	<0.006 U	<0.0059 U	<0.0055 U	<0.34 U	<0.0044 U	<0.0057 U	<0.0082 U	<0.0052 UJ	NA
Trichloroethene (TCE)	79-01-6	**0.47**	0.47	21	mg/kg	0.02	**1.3**	0.021	**33**	**2.7**	0.005	**18**	**5.9**	**43**	0.072 J	**2.2 J**	0.071	**2.4**	0.0047	0.044	0.12	0.15 J	NA
Trichlorofluoromethane	75-69-4	NS	NS	NS	mg/kg	<0.0036 U	<0.2 U	<0.0033 U	<0.23 UJ	<0.19 U	<0.0037 U	<0.24 UJ	<0.28 U	<0.55 UJ	<0.0048 UJ	<0.0047 UJ	<0.0044 U	<0.27 U	<0.0035 U	<0.0046 U	<0.0066 U	<0.0041 UJ	NA
Vinyl Acetate	108-05-4	NS	NS	NS	mg/kg	<0.0091 U	<0.49 U	<0.0083 U	<0.57 U	<0.48 U	<0.0093 U	<0.61 U	<0.7 U	<1.4 U	<0.012 U	<0.012 U	<0.011 U	<0.67 U	<0.0088 U	<0.011 U	<0.016 U	<0.01 UJ	NA
Vinyl Chloride	75-01-4	0.02	0.02	0.9	mg/kg	<0.00091 U	<0.049 U	<0.00083 U	<0.057 U	<0.048 U	<0.00093 U	<0.061 U	<0.07 U	<0.14 U	<0.0012 U	<0.0012 U	<0.0011 U	<0.067 U	<0.00088 U	<0.0011 U	<0.0016 U	<0.001 UJ	NA
Total BTEX	BTEX	NS	NS	NS	mg/kg	ND	0.035	ND	0.11	0.1	ND	0.187	0.094	0.372	ND	ND	ND	ND	ND	ND	ND	ND	NA
Total CVOCs	CVOCS	NS	NS	NS	mg/kg	0.04134	4.679	0.06837	68.798	5.9193	0.00944	25.86	9.185	58.11	0.1216	3.92	0.0988	5.5	0.0089	0.0822	0.20649	0.55038	NA
Total VOCs	TOTAL VOCS	NS	NS	NS	mg/kg	0.06264	5.094	0.08807	72.774	6.3393	0.01043	27.908	10.069	66.459	0.1596	4.54	0.0996	6.795	0.0089	0.0834	0.20838	0.55626	NA

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB07	SB07-1A	SB07-1A	SB07-1B	SB07-1B	SB07-1B	SB07-1C	SB07-1C	SB07-1D	SB07-1D	SB07-1D	SB07-2A	SB07-2B	SB07-2C	SB07-2D	SB08	SB08	SB08
					Sample Name	SB07_8-10	SB07_1A_1-3	SB07_1A_5-7	SB07-1B_1-3	SB07-1B_5-7	SB07-1B_57-59	SB07-1C_1-3	SB07-1C_5-7	SB07-1D_1-3	SB07-1D_5-7	DUP02_061323	SB07-2A_1-3	SB07-2B_1-3	SB07-2C_1-3	SB07-2D_1-3	SB08_1-3	SB08_5-7	SB08_5-7_R
					Sample Date	06/12/2023	06/12/2023	06/12/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/15/2023	06/14/2023	06/14/2023	06/14/2023	06/09/2023	10/24/2022	06/09/2023
					Sample Depth	8-10	1-3	5-7	1-3	5-7	57-59	1-3	5-7	1-3	5-7	5-7	1-3	1-3	1-3	1-3	1-3	5-7	5-7
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds																							
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	NA	NA	NA	NA	NA	<0.027 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.028 U	<0.028 U	<0.028 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.11 U	<0.11 U	NA
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.16 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.17 U	<0.17 U	NA
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.86 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.9 U	<0.91 U	NA
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.22 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.048 J	0.025 J	NA
2-Methylphenol (o-Cresol)	95-48-7	0.33	0.33	100	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.39 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4 U	<0.41 U	NA
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	0.33	100	mg/kg	NA	NA	NA	NA	NA	<0.26 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.27 U	0.041 J	NA
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.47 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.49 U	<0.49 U	NA
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.26 U	<0.26 U	NA
Acenaphthene	83-32-9	20	98	100	mg/kg	NA	NA	NA	NA	NA	0.073 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.15 U	0.038 J	NA
Acenaphthylene	208-96-8	100	107	100	mg/kg	NA	NA	NA	NA	NA	<0.14 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82	0.037 J	NA
Acetophenone	98-86-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	0.027 J	NA
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	100	1000	100	mg/kg	NA	NA	NA	NA	NA	0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.54	0.19	NA
Atrazine	1912-24-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	92-87-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	**1**	1	1	mg/kg	NA	NA	NA	NA	NA	0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.5**	0.67	NA
Benzo(a)pyrene	50-32-8	**1**	22	1	mg/kg	NA	NA	NA	NA	NA	0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.4**	0.82	NA
Benzo(b)fluoranthene	205-99-2	**1**	1.7	1	mg/kg	NA	NA	NA	NA	NA	0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.5**	0.96	NA
Benzo(g,h,i)Perylene	191-24-2	100	1000	100	mg/kg	NA	NA	NA	NA	NA	0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.6	0.45	NA
Benzo(k)fluoranthene	207-08-9	**0.8**	1.7	3.9	mg/kg	NA	NA	NA	NA	NA	0.096 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.8**	0.34	NA
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.58 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.6 U	0.3 J	NA
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.41 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.43 U	<0.43 U	NA
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.2 U	<0.2 U	NA
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.16 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.17 U	<0.17 U	NA
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.22 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.22 U	<0.23 UJ	NA
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
Caprolactam	105-60-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	86-74-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	0.059 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.071 J	0.074 J	NA
Chrysene	218-01-9	**1**	1	3.9	mg/kg	NA	NA	NA	NA	NA	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.1**	0.7	NA
Dibenz(a,h)anthracene	53-70-3	**0.33**	1000	0.33	mg/kg	NA	NA	NA	NA	NA	0.027 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.66**	0.095 J	NA
Dibenzofuran	132-64-9	7	210	59	mg/kg	NA	NA	NA	NA	NA	0.036 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.038 J	0.054 J	NA
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
Dioctyl phthalate	117-84-0	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
Fluoranthene	206-44-0	100	1000	100	mg/kg	NA	NA	NA	NA	NA	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.4	1.4	NA
Fluorene	86-73-7	30	386	100	mg/kg	NA	NA	NA	NA	NA	0.063 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	0.026 J	NA
Hexachlorobenzene	118-74-1	0.33	3.2	1.2	mg/kg	NA	NA	NA	NA	NA	<0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.11 U	<0.11 U	NA
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
Hexachlorocyclopentadiene	77-47-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.51 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.53 UJ	<0.54 U	NA
Hexachloroethane	67-72-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.14 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.15 U	<0.15 U	NA
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	8.2	0.5	mg/kg	NA	NA	NA	NA	NA	0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.3**	**0.51**	NA
Isophorone	78-59-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.16 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.17 U	<0.17 U	NA
Naphthalene	91-20-3	12	12	100	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.078 J	0.094 J	NA
Nitrobenzene	98-95-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.16 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.17 U	<0.17 U	NA
n-Nitrosodimethylamine	62-75-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	<0.19 U	NA
n-Nitrosodiphenylamine	86-30-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.14 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.15 U	<0.15 U	NA
Pentachlorophenol	87-86-5	0.8	0.8	6.7	mg/kg	NA	NA	NA	NA	NA	<0.14 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.15 U	<0.15 U	NA
Phenanthrene	85-01-8	100	1000	100	mg/kg	NA	NA	NA	NA	NA	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4	0.92	NA
Phenol	108-95-2	0.33	0.33	100	mg/kg	NA	NA	NA	NA	NA	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 U	0.05 J	NA
Pyrene	129-00-0	100	1000	100	mg/kg	NA	NA	NA	NA	NA	0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.3	1.2	NA
Pyridine	110-86-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB07	SB07-1A	SB07-1A	SB07-1B	SB07-1B	SB07-1B	SB07-1C	SB07-1C	SB07-1D	SB07-1D	SB07-1D	SB07-2A	SB07-2B	SB07-2C	SB07-2D	SB08	SB08	SB08
					Sample Name	SB07_8-10	SB07_1A_1-3	SB07_1A_5-7	SB07-1B_1-3	SB07-1B_5-7	SB07-1B_57-59	SB07-1C_1-3	SB07-1C_5-7	SB07-1D_1-3	SB07-1D_5-7	DUP02_061323	SB07-2A_1-3	SB07-2B_1-3	SB07-2C_1-3	SB07-2D_1-3	SB08_1-3	SB08_5-7	SB08_5-7_R
					Sample Date	06/12/2023	06/12/2023	06/12/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/15/2023	06/14/2023	06/14/2023	06/14/2023	06/09/2023	10/24/2022	06/09/2023
					Sample Depth	8-10	1-3	5-7	1-3	5-7	57-59	1-3	5-7	1-3	5-7	5-7	1-3	1-3	1-3	1-3	1-3	5-7	5-7
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides																							
4,4'-DDD	72-54-8	0.0033	14	13	mg/kg	NA	NA	NA	NA	NA	<0.00164 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00173 U	NA	<0.00177 U
4,4'-DDE	72-55-9	0.0033	17	8.9	mg/kg	NA	NA	NA	NA	NA	<0.00164 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00173 U	NA	<0.00177 U
4,4'-DDT	50-29-3	**0.0033**	136	7.9	mg/kg	NA	NA	NA	NA	NA	<0.00164 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00255	NA	<0.00177 U
Aldrin	309-00-2	0.005	0.19	0.097	mg/kg	NA	NA	NA	NA	NA	<0.00164 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00173 U	NA	<0.00177 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.02	0.48	mg/kg	NA	NA	NA	NA	NA	<0.000684 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000722 U	NA	<0.000739 U
Alpha Chlordane	5103-71-9	0.094	2.9	4.2	mg/kg	NA	NA	NA	NA	NA	<0.00205 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00216 U	NA	<0.00222 U
Alpha Endosulfan	959-98-8	2.4	102	24	mg/kg	NA	NA	NA	NA	NA	<0.00164 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00173 U	NA	<0.00177 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.09	0.36	mg/kg	NA	NA	NA	NA	NA	<0.00164 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00173 U	NA	<0.00177 U
Beta Endosulfan	33213-65-9	2.4	102	24	mg/kg	NA	NA	NA	NA	NA	<0.00164 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00173 U	NA	<0.00177 U
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0137 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0144 U	NA	<0.0148 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	0.25	100	mg/kg	NA	NA	NA	NA	NA	<0.00164 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00173 U	NA	<0.00177 U
Dieldrin	60-57-1	0.005	0.1	0.2	mg/kg	NA	NA	NA	NA	NA	<0.00102 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00108 U	NA	<0.00111 U
Endosulfan Sulfate	1031-07-8	2.4	1000	24	mg/kg	NA	NA	NA	NA	NA	<0.000684 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000722 U	NA	<0.000739 U
Endrin	72-20-8	0.014	0.06	11	mg/kg	NA	NA	NA	NA	NA	<0.000684 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000722 U	NA	<0.000739 U
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00205 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00216 U	NA	<0.00222 U
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00164 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00173 U	NA	<0.00177 U
Gamma Bhc (Lindane)	58-89-9	0.1	0.1	1.3	mg/kg	NA	NA	NA	NA	NA	<0.000684 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000722 U	NA	<0.000739 U
Gamma Chlordane (Trans)	5103-74-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00205 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00216 U	NA	<0.00222 U
Heptachlor	76-44-8	0.042	0.38	2.1	mg/kg	NA	NA	NA	NA	NA	<0.00082 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000866 U	NA	<0.000887 U
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00308 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00325 U	NA	<0.00332 U
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00308 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00325 U	NA	<0.00332 U
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0308 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0325 U	NA	<0.0332 U
Herbicides																							
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.178 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.183 U	NA	<0.187 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.178 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.183 U	NA	<0.187 U
Silvex (2,4,5-Tp)	93-72-1	3.8	3.8	100	mg/kg	NA	NA	NA	NA	NA	<0.178 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.183 U	NA	<0.187 U
Polychlorinated Biphenyl																							
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0526 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0547 U	NA	<0.0518 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0526 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0547 U	NA	<0.0518 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0526 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0547 U	NA	<0.0518 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0526 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0547 U	NA	<0.0518 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0526 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0547 U	NA	<0.0518 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0526 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0547 U	NA	<0.0518 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0526 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0547 U	NA	<0.0518 U
PCB-1262 (Aroclor 1262)	37324-23-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0526 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0547 U	NA	<0.0518 U
PCB-1268 (Aroclor 1268)	11100-14-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0526 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0129 J	NA	<0.0518 U
Total PCBs	1336-36-3	0.1	3.2	1	mg/kg	NA	NA	NA	NA	NA	<0.0526 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0547 U	NA	<0.0518 U
Metals																							
Aluminum	7429-90-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	3,090 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,120	6,830	NA
Antimony	7440-36-0	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	0.667 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.88	0.485 J	NA
Arsenic	7440-38-2	**13**	16	16	mg/kg	NA	NA	NA	NA	NA	0.976 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	**102**	**31.8**	NA
Barium	7440-39-3	**350**	820	400	mg/kg	NA	NA	NA	NA	NA	17.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1,140 J**	69	NA
Beryllium	7440-41-7	7.2	47	72	mg/kg	NA	NA	NA	NA	NA	0.267 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.456	0.467	NA
Cadmium	7440-43-9	**2.5**	7.5	4.3	mg/kg	NA	NA	NA	NA	NA	0.126 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.34	0.288 J	NA
Calcium	7440-70-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	628	NA	NA	NA	NA	NA	NA	NA	NA	NA	20,200 J	1,040	NA
Chromium, Hexavalent	18540-29-9	1	19	110	mg/kg	NA	NA	NA	NA	NA	<0.871 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.27 J
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	**8.23 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**18.2**	**15.9**	NA
Chromium, Trivalent	16065-83-1	**30**	NS	180	mg/kg	NA	NA	NA	NA	NA	8.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	7440-48-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	2.31 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.81	4.54	NA
Copper	7440-50-8	**50**	1720	270	mg/kg	NA	NA	NA	NA	NA	7.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	**308**	**66.5**	NA
Cyanide	57-12-5	27	40	27	mg/kg	NA	NA	NA	NA	NA	<1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.1 U
Iron	7439-89-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	8,520 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	141,000	23,700	NA
Lead	7439-92-1	**63**	450	400	mg/kg	NA	NA	NA	NA	NA	2.54 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	**299**	**213**	NA
Magnesium	7439-95-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	1,340	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,480	1,420	NA
Manganese	7439-96-5	1600	2000	2000	mg/kg	NA	NA	NA	NA	NA	227 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	646	213	NA
Mercury	7439-97-6	**0.18**	0.73	0.81	mg/kg	NA	NA	NA	NA	NA	<0.084 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.19**	**0.817**	NA
Nickel	7440-02-0	**30**	130	310	mg/kg	NA	NA	NA	NA	NA	6.38 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	**30.2**	11	NA
Potassium	7440-09-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	493	NA	NA	NA	NA	NA	NA	NA	NA	NA	405	486	NA
Selenium	7782-49-2	**3.9**	4	180	mg/kg	NA	NA	NA	NA	NA	<1.72 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.02 J**	1.08 J	NA
Silver	7440-22-4	**2**	8.3	180	mg/kg	NA	NA	NA	NA	NA	<0.43 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.27 UJ	0.41 J	NA
Sodium	7440-23-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<172 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	119 J	<173 U	NA
Thallium	7440-28-0	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<1.72 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.08	<1.73 U	NA
Vanadium	7440-62-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	10.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.1	21.6	NA
Zinc	7440-66-6	**109**	2480	10000	mg/kg	NA	NA	NA	NA	NA	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1,480 J**	87.8	NA
General Chemistry																							
Total Solids	TSOLID	NS	NS	NS	Percent	88.3	88.2	88.4	89	88.8	91.8	87.2	77.1	87.7	85.6	88.4	86.9	88.4	90.2	89.1	88.5	87.2	88.8

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB07	SB07-1A	SB07-1A	SB07-1B	SB07-1B	SB07-1B	SB07-1C	SB07-1C	SB07-1D	SB07-1D	SB07-1D	SB07-2A	SB07-2B	SB07-2C	SB07-2D	SB08	SB08	SB08
					Sample Name	SB07_8-10	SB07_1A_1-3	SB07_1A_5-7	SB07-1B_1-3	SB07-1B_5-7	SB07-1B_57-59	SB07-1C_1-3	SB07-1C_5-7	SB07-1D_1-3	SB07-1D_5-7	DUP02_061323	SB07-2A_1-3	SB07-2B_1-3	SB07-2C_1-3	SB07-2D_1-3	SB08_1-3	SB08_5-7	SB08_5-7_R
					Sample Date	06/12/2023	06/12/2023	06/12/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/13/2023	06/15/2023	06/14/2023	06/14/2023	06/14/2023	06/09/2023	10/24/2022	06/09/2023
					Sample Depth	8-10	1-3	5-7	1-3	5-7	57-59	1-3	5-7	1-3	5-7	5-7	1-3	1-3	1-3	1-3	1-3	5-7	5-7
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Perfluorooctanoic acids																							
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000778 U	NA	<0.000778 U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	6HPFHXSA	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000778 U	NA	<0.000778 U
3:3 FTCA	356-02-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000937 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000972 U	NA	<0.000972 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000778 U	NA	<0.000778 U
5:3 FTCA	914637-49-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00469 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00486 U	NA	<0.00486 U
7:3 FTCA	812-70-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00469 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00486 U	NA	<0.00486 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000778 U	NA	<0.000778 U
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
N-ethylperfluorooctane sulfonamidoe	1691-99-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00194 U	NA	<0.00194 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
N-methylperfluorooctane sulfonamide	31506-32-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00194 U	NA	<0.00194 U
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000375 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000389 U	NA	<0.000389 U
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000375 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000389 U	NA	<0.000389 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000375 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000389 U	NA	<0.000389 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000375 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000389 U	NA	<0.000389 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000778 U	NA	<0.000778 U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	**0.00088**	0.001	0.044	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000187 J	NA	0.000101 J
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.0008	0.033	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000117 J	NA	0.000054 J
Perfluoropentanesulfonic Acid	2706-91-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000375 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000389 U	NA	<0.000389 U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000187 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000194 U	NA	<0.000194 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000778 U	NA	<0.000778 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000778 U	NA	<0.000778 U
Tetrafluoro-2- (heptafluoropropoxy) propanoic Acid	13252-13-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000778 U	NA	<0.000778 U

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB08	SB09	SB09	SB10	SB10	SB10	SB10	SB11	SB11	SB11	SB11	SB11	SB11-1A	SB11-1A	SB11-1A	SB11-1B	SB11-1B	SB11-1C
					Sample Name	SB08_51-53	SB09_1-3	SB09_3-5	SB10_0.5-2.5	SB10_0.5-2.5_R	SB10_5-7	SB10_65-67	SB11_2-4	SB11_2-4_R	SB11_5-7	SB11_10-12	SB11_10-12_R	SB11-1A_2-4	SB11-1A_5-7	SB11-1A_10-12	SB11-1B_2-4	SB11-1B_5-7	SB11-1C_2-4
					Sample Date	10/24/2022	10/25/2022	10/25/2022	10/25/2022	06/09/2023	06/09/2023	10/25/2022	10/24/2022	06/06/2023	06/06/2023	10/25/2022	06/06/2023	06/20/2023	06/20/2023	06/20/2023	06/19/2023	06/19/2023	06/19/2023
					Sample Depth	51-53	1-3	3-5	0.5-2.5	0.5-2.5	5-7	65-67	2-4	2-4	5-7	10-12	10-12	2-4	5-7	10-12	2-4	5-7	2-4
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																							
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.00055 U	<0.00057 U	<0.0005 U	<0.00056 U	NA	<0.00042 U	<0.71 U	<0.037 U	NA	<0.00042 U	<0.00049 U	NA	<0.033 U	<0.00055 U	<0.00069 U	<0.00071 U	<0.00057 U	<0.00048 U
1,1,1-Trichloroethane	71-55-6	0.68	0.68	100	mg/kg	<0.00055 U	<0.00057 U	<0.0005 U	<0.00056 U	NA	<0.00042 U	<0.71 U	<0.037 U	NA	<0.00042 U	<0.00049 U	NA	<0.033 U	<0.00055 U	<0.00069 U	<0.00071 U	<0.00057 U	<0.00048 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.00055 U	<0.00057 U	<0.0005 U	<0.00056 U	NA	<0.00042 U	<0.71 U	<0.037 U	NA	<0.00042 U	<0.00049 U	NA	<0.033 U	<0.00055 U	<0.00069 U	<0.00071 U	<0.00057 U	<0.00048 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
1,1-Dichloroethane	75-34-3	0.27	0.27	26	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
1,1-Dichloroethene	75-35-4	0.33	0.33	100	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	mg/kg	<0.00055 U	<0.00057 U	<0.0005 U	<0.00056 U	NA	<0.00042 U	<0.71 U	<0.037 U	NA	<0.00042 U	<0.00049 U	NA	<0.033 U	<0.00055 U	<0.00069 U	<0.00071 U	<0.00057 U	<0.00048 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	130 J	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
1,2,4-Trimethylbenzene	95-63-6	**3.6**	3.6	52	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	**890**	<0.15 U	NA	<0.0017 U	0.00073 J	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0033 U	<0.0034 U	<0.003 U	<0.0034 U	NA	<0.0025 U	<4.2 U	<0.22 U	NA	<0.0025 U	<0.003 U	NA	<0.2 U	<0.0033 U	<0.0042 U	<0.0042 U	<0.0034 U	<0.0029 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	0.012 J	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
1,2-Dichloroethane	107-06-2	0.02	0.02	3.1	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**8.4**	8.4	52	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	**240 J**	<0.15 U	NA	<0.0017 U	0.00025 J	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	0.012 J	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	0.014 J	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
1,4-Diethyl Benzene	105-05-5	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	0.013 J	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.088 U	<0.091 U	<0.079 U	<0.09 U	NA	<0.068 U	<110 U	<5.9 U	NA	<0.068 U	<0.079 U	NA	<5.3 U	<0.088 U	<0.11 U	<0.11 U	<0.092 U	<0.076 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
2-Chlorotoluene	95-49-8	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.011 U	<0.011 U	<0.0099 U	<0.011 U	NA	<0.0084 U	<14 U	<0.74 U	NA	<0.0084 U	<0.0098 U	NA	<0.66 U	<0.011 U	<0.014 U	<0.014 U	<0.011 U	<0.0096 U
4-Chlorotoluene	106-43-4	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
4-Ethyltoluene	622-96-8	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	180 J	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
Acetone	67-64-1	**0.05**	0.05	100	mg/kg	<0.011 U	<0.011 U	0.0077 J	<0.011 U	NA	0.0063 J	<14 U	<0.74 U	NA	<0.0084 U	0.027	NA	<0.66 U	<0.011 U	<0.014 U	0.012 J	0.0094 J	0.005 J
Acrolein	107-02-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0044 U	<0.0046 U	<0.004 U	<0.0045 U	NA	<0.0034 U	<5.6 U	<0.3 U	NA	<0.0034 U	<0.0039 U	NA	<0.26 U	<0.0044 U	<0.0055 U	<0.0056 U	<0.0046 U	<0.0038 U
Benzene	71-43-2	0.06	0.06	4.8	mg/kg	<0.00055 U	<0.00057 U	<0.0005 U	<0.00056 U	NA	<0.00042 U	<0.71 U	<0.037 U	NA	<0.00042 U	<0.00049 U	NA	<0.033 U	<0.00055 U	<0.00069 U	<0.00071 U	<0.00057 U	<0.00048 U
Bromobenzene	108-86-1	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.00055 U	<0.00057 U	<0.0005 U	<0.00056 U	NA	<0.00042 U	<0.71 U	<0.037 U	NA	<0.00042 U	<0.00049 U	NA	<0.033 U	<0.00055 U	<0.00069 U	<0.00071 U	<0.00057 U	<0.00048 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0044 U	<0.0046 U	<0.004 U	<0.0045 U	NA	<0.0034 U	<5.6 U	<0.3 U	NA	<0.0034 UJ	<0.0039 U	NA	<0.26 U	<0.0044 U	<0.0055 U	<0.0056 U	<0.0046 U	<0.0038 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 UJ	<0.0023 U	<0.0019 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.011 U	<0.011 U	<0.0099 U	<0.011 U	NA	<0.0084 U	<14 U	<0.74 U	NA	<0.0084 U	<0.0098 U	NA	<0.66 U	<0.011 U	<0.014 U	<0.014 U	<0.011 U	<0.0096 U
Carbon Tetrachloride	56-23-5	0.76	0.76	2.4	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	0.00029 J	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	0.11	<0.0011 U	<0.0014 U	0.00059 J	<0.0011 U	<0.00096 U
Chlorobenzene	108-90-7	1.1	1.1	100	mg/kg	<0.00055 U	<0.00057 U	<0.0005 U	<0.00056 U	NA	<0.00042 U	<0.71 U	<0.037 U	NA	<0.00042 U	<0.00049 U	NA	<0.033 U	<0.00055 U	<0.00069 U	<0.00071 U	<0.00057 U	<0.00048 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
Chloroform	67-66-3	0.37	0.37	49	mg/kg	<0.0016 U	0.00026 J	<0.0015 U	0.00052 J	NA	<0.0013 U	<2.1 U	<0.11 U	NA	<0.0013 U	0.00035 J	NA	0.021 J	0.00038 J	<0.0021 U	<0.0021 U	<0.0017 U	<0.0014 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0044 U	<0.0046 U	<0.004 U	<0.0045 U	NA	<0.0034 U	<5.6 U	<0.3 U	NA	<0.0034 U	<0.0039 U	NA	<0.26 U	<0.0044 U	<0.0055 U	<0.0056 U	<0.0046 U	<0.0038 U
Cis-1,2-Dichloroethene	156-59-2	**0.25**	0.25	100	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.00055 U	<0.00057 U	<0.0005 U	<0.00056 U	NA	<0.00042 U	<0.71 U	<0.037 U	NA	<0.00042 U	<0.00049 U	NA	<0.033 U	<0.00055 U	<0.00069 U	<0.00071 U	<0.00057 U	<0.00048 U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene	99-87-6	NS	NS	NS	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	14 J	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.011 U	<0.011 U	<0.0099 U	<0.011 U	NA	<0.0084 U	<14 U	<0.74 U	NA	<0.0084 U	<0.0098 U	NA	<0.66 U	<0.011 U	<0.014 U	<0.014 U	<0.011 U	<0.0096 U
Diethyl Ether (Ethyl Ether)	60-29-7	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 UJ	<0.0023 U	<0.0019 U
Ethylbenzene	100-41-4	**1**	1	41	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	**13 J**	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	0.026 J	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0044 U	<0.0046 U	<0.004 U	<0.0045 U	NA	<0.0034 U	<5.6 U	<0.3 U	NA	<0.0034 U	<0.0039 U	NA	<0.26 U	<0.0044 U	<0.0055 U	<0.0056 U	<0.0046 U	<0.0038 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	60 J	<0.074 U	NA	<0.00084 UJ	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	8.4 J	<0.15 U	NA	<0.0017 U	<0.002 U	NA	0.078 J	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	0.12	100	mg/kg	<0.011 UJ	<0.011 U	<0.0099 U	<0.011 U	NA	<0.0084 U	<14 U	<0.74 UJ	NA	<0.0084 U	0.0044 J	NA	<0.66 U	<0.011 U	<0.014 U	<0.014 U	<0.011 U	<0.0096 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	<0.011 U	<0.011 U	<0.0099 U	<0.011 U	NA	<0.0084 U	<14 U	<0.74 U	NA	<0.0084 U	<0.0098 U	NA	<0.66 U	<0.011 U	<0.014 U	<0.014 U	<0.011 U	<0.0096 U
Methylcyclohexane	108-87-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	75-09-2	0.05	0.05	100	mg/kg	<0.0055 U	<0.0057 U	<0.005 U	<0.0056 U	NA	<0.0042 U	<7.1 U	<0.37 U	NA	<0.0042 U	<0.0049 U	NA	<0.33 U	<0.0055 U	<0.0069 U	<0.0071 U	<0.0057 U	<0.0048 U
Naphthalene	91-20-3	12	12	100	mg/kg	<0.0044 U	<0.0046 U	<0.004 U	<0.0045 U	NA	<0.0034 U	11 J	<0.3 U	NA	<0.0034 U	<0.0039 U	NA	0.41	<0.0044 U	<0.0055 U	<0.0056 U	<0.0046 U	<0.0038 U
n-Butylbenzene	104-51-8	**12**	12	100	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	**65 J**	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
n-Propylbenzene	103-65-1	**3.9**	3.9	100	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	**140 J**	<0.074 U	NA	<0.00084 U	0.00018 J	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	3 J	<0.074 U	NA	<0.00084 UJ	<0.00098 U	NA	0.052 J	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sec-Butylbenzene	135-98-8	**11**	11	100	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	**27 J**	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
Styrene	100-42-5	NS	NS	NS	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 UJ	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
T-Butylbenzene	98-06-6	5.9	5.9	100	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	2.8 J	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
Tert-Butyl Alcohol	75-65-0	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tert-Butyl Methyl Ether	1634-04-4	0.93	0.93	100	mg/kg	<0.0022 U	<0.0023 U	<0.002 U	<0.0022 U	NA	<0.0017 U	<2.8 U	<0.15 U	NA	<0.0017 U	<0.002 U	NA	<0.13 U	<0.0022 U	<0.0028 U	<0.0028 U	<0.0023 U	<0.0019 U
Tetrachloroethene (PCE)	127-18-4	**1.3**	1.3	19	mg/kg	0.0015	0.0039	0.0061	0.0077	NA	0.013	<0.71 U	**2.2**	NA	0.0043	0.0068	NA	**5.7**	0.025	0.013	0.02	0.023	0.012
Toluene	108-88-3	0.7	0.7	100	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	0.00057 J	0.0098	NA	0.058 J	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	NS	NS	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
Total Xylenes	1330-20-7	**0.26**	1.6	100	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	**11 J**	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	0.13 J	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	NS	NS	NS	mg/kg	<0.00055 U	<0.00057 U	<0.0005 U	<0.00056 U	NA	<0.00042 U	<0.71 U	<0.037 U	NA	<0.00042 U	<0.00049 U	NA	<0.033 U	<0.00055 U	<0.00069 U	<0.00071 U	<0.00057 U	<0.00048 U
Trans-1,2-Dichloroethene	156-60-5	**0.19**	0.19	100	mg/kg	<0.0016 U	<0.0017 U	<0.0015 U	<0.0017 U	NA	<0.0013 U	<2.1 U	<0.11 U	NA	<0.0013 U	<0.0015 U	NA	<0.099 U	<0.0016 U	<0.0021 U	<0.0021 U	<0.0017 U	<0.0014 U
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 U	<0.0011 U	<0.00096 U
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	NS	mg/kg	<0.0055 U	<0.0057 U	<0.005 U	<0.0056 U	NA	<0.0042 U	<7.1 U	<0.37 U	NA	<0.0042 U	<0.0049 U	NA	<0.33 U	<0.0055 U	<0.0069 U	<0.0071 U	<0.0057 U	<0.0048 U
Trichloroethene (TCE)	79-01-6	**0.47**	0.47	21	mg/kg	0.00041 J	0.0059	0.0052	0.0024	NA	<0.00042 U	<0.71 U	**4.7**	NA	0.0016	0.0053	NA	**8.1**	0.023	0.0063	0.028 J	0.035	0.0078
Trichlorofluoromethane	75-69-4	NS	NS	NS	mg/kg	<0.0044 U	<0.0046 U	<0.004 U	<0.0045 U	NA	<0.0034 U	<5.6 U	<0.3 U	NA	<0.0034 U	<0.0039 U	NA	<0.26 U	<0.0044 U	<0.0055 U	<0.0056 UJ	<0.0046 U	<0.0038 U
Vinyl Acetate	108-05-4	NS	NS	NS	mg/kg	<0.011 UJ	<0.011 U	<0.0099 U	<0.011 U	NA	<0.0084 U	<14 U	<0.74 UJ	NA	<0.0084 U	<0.0098 U	NA	<0.66 U	<0.011 U	<0.014 U	<0.014 U	<0.011 U	<0.0096 U
Vinyl Chloride	75-01-4	0.02	0.02	0.9	mg/kg	<0.0011 U	<0.0011 U	<0.00099 U	<0.0011 U	NA	<0.00084 U	<1.4 U	<0.074 U	NA	<0.00084 U	<0.00098 U	NA	<0.066 U	<0.0011 U	<0.0014 U	<0.0014 UJ	<0.0011 U	<0.00096 U
Total BTEX	BTEX	NS	NS	NS	mg/kg	ND	ND	ND	ND	NA	ND	24	ND	NA	0.00057	0.0098	NA	0.214	ND	ND	ND	ND	ND
Total CVOCs	CVOCS	NS	NS	NS	mg/kg	0.00191	0.0098	0.0113	0.0101	NA	0.013	ND	6.9	NA	0.0059	0.0121	NA	13.8	0.048	0.0193	0.048	0.058	0.0198
Total VOCs	TOTAL VOCS	NS	NS	NS	mg/kg	0.00191	0.01006	0.019	0.01091	NA	0.0193	1,783.8	6.9	NA	0.00647	0.05481	NA	14.606	0.04838	0.0193	0.06059	0.0674	0.0248

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB08	SB09	SB09	SB10	SB10	SB10	SB10	SB11	SB11	SB11	SB11	SB11	SB11-1A	SB11-1A	SB11-1A	SB11-1B	SB11-1B	SB11-1C
					Sample Name	SB08_51-53	SB09_1-3	SB09_3-5	SB10_0.5-2.5	SB10_0.5-2.5_R	SB10_5-7	SB10_65-67	SB11_2-4	SB11_2-4_R	SB11_5-7	SB11_10-12	SB11_10-12_R	SB11-1A_2-4	SB11-1A_5-7	SB11-1A_10-12	SB11-1B_2-4	SB11-1B_5-7	SB11-1C_2-4
					Sample Date	10/24/2022	10/25/2022	10/25/2022	10/25/2022	06/09/2023	06/09/2023	10/25/2022	10/24/2022	06/06/2023	06/06/2023	10/25/2022	06/06/2023	06/20/2023	06/20/2023	06/20/2023	06/19/2023	06/19/2023	06/19/2023
					Sample Depth	51-53	1-3	3-5	0.5-2.5	0.5-2.5	5-7	65-67	2-4	2-4	5-7	10-12	10-12	2-4	5-7	10-12	2-4	5-7	2-4
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds																							
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	0.084 J	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	0.9	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	0.98	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	1.2	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	0.82	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.026 U	<0.03 U	<0.028 U	<0.029 U	<0.029 U	<0.027 U	<0.027 U	<0.025 U	<0.028 UJ	NA	<0.029 U	<0.025 UJ	NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.1 U	<0.12 U	<0.11 U	<0.12 U	NA	<0.11 U	<0.11 U	<0.1 U	NA	NA	<0.12 U	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.15 U	<0.18 U	<0.17 U	<0.18 U	NA	<0.16 U	<0.16 U	<0.15 U	NA	NA	<0.17 U	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.82 U	<0.96 U	<0.89 U	<0.94 U	NA	<0.86 U	<0.86 U	<0.81 U	NA	NA	<0.92 U	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	0.39	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	<0.2 U	<0.24 U	<0.22 U	<0.23 U	NA	<0.21 U	0.94	0.33	NA	NA	<0.23 U	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	95-48-7	0.33	0.33	100	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	0.038 J	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.37 U	<0.43 U	<0.4 U	<0.42 U	NA	<0.39 U	<0.39 U	<0.37 U	NA	NA	<0.41 U	NA	NA	NA	NA	NA	NA	NA
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	0.33	100	mg/kg	<0.25 U	<0.29 U	<0.27 U	<0.28 U	NA	<0.26 U	<0.26 U	0.077 J	NA	NA	<0.28 U	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.44 U	<0.52 U	<0.48 U	<0.51 U	NA	<0.46 U	<0.47 U	<0.44 U	NA	NA	<0.5 U	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.24 U	<0.28 U	<0.26 U	<0.27 U	NA	<0.25 U	<0.25 U	<0.24 U	NA	NA	<0.27 U	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	20	98	100	mg/kg	<0.14 U	0.3	<0.15 U	0.036 J	NA	<0.14 U	<0.14 U	0.54	NA	NA	<0.15 U	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	100	107	100	mg/kg	<0.14 U	0.13 J	<0.15 U	<0.16 U	NA	<0.14 U	<0.14 U	0.41	NA	NA	<0.15 U	NA	NA	NA	NA	NA	NA	NA
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	0.084 J	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	100	1000	100	mg/kg	<0.1 U	0.68	<0.11 U	0.1 J	NA	<0.11 U	<0.11 U	1.3	NA	NA	<0.12 U	NA	NA	NA	NA	NA	NA	NA
Atrazine	1912-24-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	92-87-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	**1**	1	1	mg/kg	<0.1 U	**1.8**	<0.11 U	0.38	NA	<0.11 U	<0.11 U	**3.5**	NA	NA	<0.12 U	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	50-32-8	**1**	22	1	mg/kg	<0.14 U	**2.4**	<0.15 U	0.44	NA	<0.14 U	<0.14 U	**2.6**	NA	NA	<0.15 U	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	**1**	1.7	1	mg/kg	<0.1 U	**2.6**	<0.11 U	0.5	NA	<0.11 U	<0.11 U	**4.7**	NA	NA	<0.12 U	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)Perylene	191-24-2	100	1000	100	mg/kg	<0.14 U	1.2	<0.15 U	0.25	NA	<0.14 U	<0.14 U	1.6	NA	NA	<0.15 U	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	**0.8**	1.7	3.9	mg/kg	<0.1 U	**0.96**	<0.11 U	0.16	NA	<0.11 U	<0.11 U	**1.4**	NA	NA	<0.12 U	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.55 U	<0.65 U	<0.6 U	<0.63 U	NA	<0.58 U	<0.58 U	<0.55 U	NA	NA	<0.62 U	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	<0.39 U	0.026 J	<0.42 U	<0.44 U	NA	<0.41 U	0.046 J	0.17 J	NA	NA	<0.44 U	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.18 U	<0.22 U	<0.2 U	<0.21 U	NA	<0.19 U	<0.19 U	<0.18 U	NA	NA	<0.21 U	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<0.15 U	<0.18 U	<0.17 U	<0.18 U	NA	<0.16 U	<0.16 U	<0.15 U	NA	NA	<0.17 U	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<0.2 UJ	<0.24 U	<0.22 U	<0.23 U	NA	<0.21 U	<0.22 U	<0.2 UJ	NA	NA	<0.23 U	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Caprolactam	105-60-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	86-74-8	NS	NS	NS	mg/kg	<0.17 U	0.32	<0.19 U	0.029 J	NA	<0.18 U	<0.18 U	0.38	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	**1**	1	3.9	mg/kg	<0.1 U	**1.8**	<0.11 U	0.39	NA	<0.11 U	<0.11 U	**4.4**	NA	NA	<0.12 U	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	53-70-3	**0.33**	1000	0.33	mg/kg	<0.1 U	0.29	<0.11 U	0.058 J	NA	<0.11 U	<0.11 U	**0.46**	NA	NA	<0.12 U	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	7	210	59	mg/kg	<0.17 U	0.14 J	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	0.4	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Dioctyl phthalate	117-84-0	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	206-44-0	100	1000	100	mg/kg	<0.1 U	3.5	0.026 J	0.84	NA	<0.11 U	<0.11 U	12	NA	NA	<0.12 U	NA	NA	NA	NA	NA	NA	NA
Fluorene	86-73-7	30	386	100	mg/kg	<0.17 U	0.28	<0.19 U	0.027 J	NA	<0.18 U	0.029 J	0.58	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	0.33	3.2	1.2	mg/kg	<0.1 U	<0.12 U	<0.11 U	<0.12 U	NA	<0.11 U	<0.11 U	<0.1 U	NA	NA	<0.12 U	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	NS	NS	NS	mg/kg	<0.49 U	<0.57 U	<0.53 U	<0.56 U	NA	<0.51 UJ	<0.52 U	<0.48 U	NA	NA	<0.55 U	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	NS	NS	NS	mg/kg	<0.14 U	<0.16 U	<0.15 U	<0.16 U	NA	<0.14 U	<0.14 U	<0.14 U	NA	NA	<0.15 U	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	8.2	0.5	mg/kg	<0.14 U	**1.4**	<0.15 U	0.28	NA	<0.14 U	<0.14 U	**1.8**	NA	NA	<0.15 U	NA	NA	NA	NA	NA	NA	NA
Isophorone	78-59-1	NS	NS	NS	mg/kg	<0.15 U	<0.18 U	<0.17 U	<0.18 U	NA	<0.16 U	<0.16 U	0.026 J	NA	NA	<0.17 U	NA	NA	NA	NA	NA	NA	NA
Naphthalene	91-20-3	12	12	100	mg/kg	<0.17 U	0.29	<0.19 U	<0.2 U	NA	<0.18 U	0.34	1.1	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	NS	NS	NS	mg/kg	<0.15 U	<0.18 U	<0.17 U	<0.18 U	NA	<0.16 U	<0.16 U	<0.15 U	NA	NA	<0.17 U	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodimethylamine	62-75-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	NS	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	<0.17 U	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	86-30-6	NS	NS	NS	mg/kg	<0.14 U	<0.16 U	<0.15 U	<0.16 U	NA	<0.14 U	<0.14 U	<0.14 U	NA	NA	<0.15 U	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	0.8	0.8	6.7	mg/kg	<0.14 U	<0.16 U	<0.15 U	<0.16 U	NA	<0.14 U	<0.14 U	<0.14 U	NA	NA	<0.15 U	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	85-01-8	100	1000	100	mg/kg	<0.1 U	2	<0.11 U	0.5	NA	<0.11 U	0.057 J	8.8	NA	NA	<0.12 U	NA	NA	NA	NA	NA	NA	NA
Phenol	108-95-2	0.33	0.33	100	mg/kg	<0.17 U	<0.2 U	<0.19 U	<0.2 U	NA	<0.18 U	<0.18 U	0.094 J	NA	NA	<0.19 U	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	100	1000	100	mg/kg	<0.1 U	3.2	0.023 J	0.8	NA	<0.11 U	0.023 J	8.8	NA	NA	<0.12 U	NA	NA	NA	NA	NA	NA	NA
Pyridine	110-86-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB08	SB09	SB09	SB10	SB10	SB10	SB10	SB11	SB11	SB11	SB11	SB11	SB11-1A	SB11-1A	SB11-1A	SB11-1B	SB11-1B	SB11-1C
					Sample Name	SB08_51-53	SB09_1-3	SB09_3-5	SB10_0.5-2.5	SB10_0.5-2.5_R	SB10_5-7	SB10_65-67	SB11_2-4	SB11_2-4_R	SB11_5-7	SB11_10-12	SB11_10-12_R	SB11-1A_2-4	SB11-1A_5-7	SB11-1A_10-12	SB11-1B_2-4	SB11-1B_5-7	SB11-1C_2-4
					Sample Date	10/24/2022	10/25/2022	10/25/2022	10/25/2022	06/09/2023	06/09/2023	10/25/2022	10/24/2022	06/06/2023	06/06/2023	10/25/2022	06/06/2023	06/20/2023	06/20/2023	06/20/2023	06/19/2023	06/19/2023	06/19/2023
					Sample Depth	51-53	1-3	3-5	0.5-2.5	0.5-2.5	5-7	65-67	2-4	2-4	5-7	10-12	10-12	2-4	5-7	10-12	2-4	5-7	2-4
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides																							
4,4'-DDD	72-54-8	0.0033	14	13	mg/kg	NA	NA	NA	NA	<0.00186 U	<0.00169 U	NA	NA	<0.00177 U	NA	NA	<0.00162 U	NA	NA	NA	NA	NA	NA
4,4'-DDE	72-55-9	0.0033	17	8.9	mg/kg	NA	NA	NA	NA	<0.00186 U	<0.00169 U	NA	NA	<0.00177 U	NA	NA	0.000405 J	NA	NA	NA	NA	NA	NA
4,4'-DDT	50-29-3	**0.0033**	136	7.9	mg/kg	NA	NA	NA	NA	<0.00186 U	<0.00169 U	NA	NA	<0.00177 U	NA	NA	0.00328	NA	NA	NA	NA	NA	NA
Aldrin	309-00-2	0.005	0.19	0.097	mg/kg	NA	NA	NA	NA	<0.00186 U	<0.00169 U	NA	NA	<0.00177 U	NA	NA	<0.00162 U	NA	NA	NA	NA	NA	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.02	0.48	mg/kg	NA	NA	NA	NA	<0.000773 U	<0.000706 U	NA	NA	<0.000739 U	NA	NA	<0.000676 U	NA	NA	NA	NA	NA	NA
Alpha Chlordane	5103-71-9	0.094	2.9	4.2	mg/kg	NA	NA	NA	NA	<0.00232 U	<0.00212 U	NA	NA	<0.00222 U	NA	NA	<0.00203 U	NA	NA	NA	NA	NA	NA
Alpha Endosulfan	959-98-8	2.4	102	24	mg/kg	NA	NA	NA	NA	<0.00186 U	<0.00169 U	NA	NA	<0.00177 U	NA	NA	<0.00162 U	NA	NA	NA	NA	NA	NA
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.09	0.36	mg/kg	NA	NA	NA	NA	<0.00186 U	<0.00169 U	NA	NA	<0.00177 U	NA	NA	<0.00162 U	NA	NA	NA	NA	NA	NA
Beta Endosulfan	33213-65-9	2.4	102	24	mg/kg	NA	NA	NA	NA	<0.00186 U	<0.00169 U	NA	NA	<0.00177 U	NA	NA	<0.00162 U	NA	NA	NA	NA	NA	NA
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.0155 U	<0.0141 U	NA	NA	<0.0148 U	NA	NA	<0.0135 U	NA	NA	NA	NA	NA	NA
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	0.25	100	mg/kg	NA	NA	NA	NA	<0.00186 U	<0.00169 U	NA	NA	<0.00177 U	NA	NA	<0.00162 U	NA	NA	NA	NA	NA	NA
Dieldrin	60-57-1	0.005	0.1	0.2	mg/kg	NA	NA	NA	NA	<0.00116 U	<0.00106 U	NA	NA	<0.00111 U	NA	NA	<0.00101 U	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	1031-07-8	2.4	1000	24	mg/kg	NA	NA	NA	NA	<0.000773 U	<0.000706 U	NA	NA	<0.000739 U	NA	NA	<0.000676 U	NA	NA	NA	NA	NA	NA
Endrin	72-20-8	0.014	0.06	11	mg/kg	NA	NA	NA	NA	<0.000773 U	<0.000706 U	NA	NA	<0.000739 U	NA	NA	<0.000676 U	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.00232 U	<0.00212 U	NA	NA	<0.00222 U	NA	NA	<0.00203 U	NA	NA	NA	NA	NA	NA
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.00186 U	<0.00169 U	NA	NA	<0.00177 U	NA	NA	<0.00162 U	NA	NA	NA	NA	NA	NA
Gamma Bhc (Lindane)	58-89-9	0.1	0.1	1.3	mg/kg	NA	NA	NA	NA	<0.000773 U	<0.000706 U	NA	NA	<0.000739 U	NA	NA	<0.000676 U	NA	NA	NA	NA	NA	NA
Gamma Chlordane (Trans)	5103-74-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.00232 U	<0.00212 U	NA	NA	<0.00222 U	NA	NA	<0.00203 U	NA	NA	NA	NA	NA	NA
Heptachlor	76-44-8	0.042	0.38	2.1	mg/kg	NA	NA	NA	NA	<0.000928 U	<0.000847 U	NA	NA	<0.000887 U	NA	NA	<0.000811 U	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.00348 U	<0.00317 U	NA	NA	<0.00333 U	NA	NA	<0.00304 U	NA	NA	NA	NA	NA	NA
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.00348 U	<0.00317 U	NA	NA	<0.00333 U	NA	NA	<0.00304 U	NA	NA	NA	NA	NA	NA
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.0348 U	<0.0317 U	NA	NA	<0.0333 U	NA	NA	<0.0304 U	NA	NA	NA	NA	NA	NA
Herbicides																							
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.193 U	<0.18 U	NA	NA	<0.192 U	NA	NA	<0.169 U	NA	NA	NA	NA	NA	NA
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.193 U	<0.18 U	NA	NA	<0.192 U	NA	NA	<0.169 U	NA	NA	NA	NA	NA	NA
Silvex (2,4,5-Tp)	93-72-1	3.8	3.8	100	mg/kg	NA	NA	NA	NA	<0.193 U	<0.18 U	NA	NA	<0.192 U	NA	NA	<0.169 U	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl																							
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.0547 U	<0.0514 U	NA	NA	<0.054 U	NA	NA	<0.0488 U	NA	NA	NA	NA	NA	NA
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.0547 U	<0.0514 U	NA	NA	<0.054 U	NA	NA	<0.0488 U	NA	NA	NA	NA	NA	NA
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.0547 U	<0.0514 U	NA	NA	<0.054 U	NA	NA	<0.0488 U	NA	NA	NA	NA	NA	NA
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.0547 U	<0.0514 U	NA	NA	<0.054 U	NA	NA	<0.0488 U	NA	NA	NA	NA	NA	NA
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.0547 U	<0.0514 U	NA	NA	<0.054 U	NA	NA	<0.0488 U	NA	NA	NA	NA	NA	NA
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	0.00686 J	<0.0514 U	NA	NA	<0.054 U	NA	NA	<0.0488 U	NA	NA	NA	NA	NA	NA
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.0547 U	<0.0514 U	NA	NA	<0.054 U	NA	NA	0.00997 J	NA	NA	NA	NA	NA	NA
PCB-1262 (Aroclor 1262)	37324-23-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.0547 U	<0.0514 U	NA	NA	<0.054 U	NA	NA	<0.0488 U	NA	NA	NA	NA	NA	NA
PCB-1268 (Aroclor 1268)	11100-14-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.0547 U	<0.0514 U	NA	NA	<0.054 U	NA	NA	0.00824 J	NA	NA	NA	NA	NA	NA
Total PCBs	1336-36-3	0.1	3.2	1	mg/kg	NA	NA	NA	NA	<0.0547 U	<0.0514 U	NA	NA	<0.054 U	NA	NA	0.0182 J	NA	NA	NA	NA	NA	NA
Metals																							
Aluminum	7429-90-5	NS	NS	NS	mg/kg	2,690	5,860	8,500	5,960	NA	9,160	2,400	2,630	NA	NA	4,360	NA	NA	NA	NA	NA	NA	NA
Antimony	7440-36-0	NS	NS	NS	mg/kg	<4.07 U	1.21 J	0.968 J	<4.56 U	NA	<4.2 U	<4.1 U	8.34	NA	NA	<4.51 U	NA	NA	NA	NA	NA	NA	NA
Arsenic	7440-38-2	**13**	16	16	mg/kg	0.946	5.13	2.82	4.22	NA	3.48	0.552 J	4.92	NA	NA	1.7	NA	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	**350**	820	400	mg/kg	17.2	90.5	41.3	54.6	NA	35.6	18.2	**426**	NA	NA	33.3	NA	NA	NA	NA	NA	NA	NA
Beryllium	7440-41-7	7.2	47	72	mg/kg	0.212 J	0.362 J	0.296 J	0.351 J	NA	0.479	0.157 J	0.186 J	NA	NA	0.27 J	NA	NA	NA	NA	NA	NA	NA
Cadmium	7440-43-9	**2.5**	7.5	4.3	mg/kg	<0.814 U	0.098 J	0.126 J	<0.912 U	NA	0.221 J	<0.82 U	0.816	NA	NA	0.173 J	NA	NA	NA	NA	NA	NA	NA
Calcium	7440-70-2	NS	NS	NS	mg/kg	681	1,530	773	1,180	NA	1,190	551	15,500	NA	NA	626	NA	NA	NA	NA	NA	NA	NA
Chromium, Hexavalent	18540-29-9	1	19	110	mg/kg	NA	NA	NA	NA	0.269 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	**9.05**	**14.6**	**15.3**	**15.9**	NA	**18**	**7.9**	**13**	NA	NA	**8.32**	NA	NA	NA	NA	NA	NA	NA
Chromium, Trivalent	16065-83-1	**30**	NS	180	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	7440-48-4	NS	NS	NS	mg/kg	2.76	5.4	22.1	5.89	NA	5.53	2.72	2.69	NA	NA	3.81	NA	NA	NA	NA	NA	NA	NA
Copper	7440-50-8	**50**	1720	270	mg/kg	6.6	**94.8**	11.6	43.8	NA	19.8	7.88	**85.3**	NA	NA	16.2	NA	NA	NA	NA	NA	NA	NA
Cyanide	57-12-5	27	40	27	mg/kg	NA	NA	NA	NA	0.65 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	7439-89-6	NS	NS	NS	mg/kg	6,970	13,500	12,700	17,300	NA	15,200	8,980	10,300	NA	NA	9,350	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	**63**	450	400	mg/kg	2.46 J	**476**	18.2	**104**	NA	36.8	2.78 J	**352**	NA	NA	4.48 J	NA	NA	NA	NA	NA	NA	NA
Magnesium	7439-95-4	NS	NS	NS	mg/kg	1,480	1,480	1,390	1,510	NA	2,170	1,360	1,490	NA	NA	1,290	NA	NA	NA	NA	NA	NA	NA
Manganese	7439-96-5	1600	2000	2000	mg/kg	182	91.4	213	366	NA	297	95.5	124	NA	NA	413	NA	NA	NA	NA	NA	NA	NA
Mercury	7439-97-6	**0.18**	0.73	0.81	mg/kg	<0.066 U	**0.888**	0.08	**0.503**	NA	**0.45**	<0.071 U	**0.31**	NA	NA	<0.076 U	NA	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	**30**	130	310	mg/kg	17.5	19.4	19.1	10.9	NA	11.4	5.62	7.38	NA	NA	9.1	NA	NA	NA	NA	NA	NA	NA
Potassium	7440-09-7	NS	NS	NS	mg/kg	543	534	355	582	NA	656	347	632	NA	NA	387	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	**3.9**	4	180	mg/kg	<1.63 U	<1.91 U	<1.75 U	<1.82 U	NA	0.445 J	<1.64 U	<1.59 U	NA	NA	<1.8 U	NA	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	**2**	8.3	180	mg/kg	<0.407 U	<0.478 U	<0.437 U	<0.456 U	NA	<0.42 U	<0.41 U	0.399	NA	NA	<0.451 U	NA	NA	NA	NA	NA	NA	NA
Sodium	7440-23-5	NS	NS	NS	mg/kg	<163 U	<3.01 U	<2.75 U	<2.87 U	NA	104 J	<2.58 U	365	NA	NA	<2.84 U	NA	NA	NA	NA	NA	NA	NA
Thallium	7440-28-0	NS	NS	NS	mg/kg	<1.63 U	<1.91 U	<1.75 U	<1.82 U	NA	<1.68 U	<1.64 U	<1.59 U	NA	NA	<1.8 U	NA	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	NS	NS	mg/kg	8.43	18.4	21.1	20.7	NA	25.1	11	9.63	NA	NA	14.5	NA	NA	NA	NA	NA	NA	NA
Zinc	7440-66-6	**109**	2480	10000	mg/kg	11.8	**336**	**366**	87.4	NA	51.8	12.2	**390**	NA	NA	76.7	NA	NA	NA	NA	NA	NA	NA
General Chemistry																							
Total Solids	TSOLID	NS	NS	NS	Percent	95.4	82.1	88.7	83.6	85.6	91.5	91.5	96.7	86.2	93.6	86.1	98	94	87.2	88.8	87.5	97.7	89.1

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB08	SB09	SB09	SB10	SB10	SB10	SB10	SB11	SB11	SB11	SB11	SB11	SB11-1A	SB11-1A	SB11-1A	SB11-1B	SB11-1B	SB11-1C
					Sample Name	SB08_51-53	SB09_1-3	SB09_3-5	SB10_0.5-2.5	SB10_0.5-2.5_R	SB10_5-7	SB10_65-67	SB11_2-4	SB11_2-4_R	SB11_5-7	SB11_10-12	SB11_10-12_R	SB11-1A_2-4	SB11-1A_5-7	SB11-1A_10-12	SB11-1B_2-4	SB11-1B_5-7	SB11-1C_2-4
					Sample Date	10/24/2022	10/25/2022	10/25/2022	10/25/2022	06/09/2023	06/09/2023	10/25/2022	10/24/2022	06/06/2023	06/06/2023	10/25/2022	06/06/2023	06/20/2023	06/20/2023	06/20/2023	06/19/2023	06/19/2023	06/19/2023
					Sample Depth	51-53	1-3	3-5	0.5-2.5	0.5-2.5	5-7	65-67	2-4	2-4	5-7	10-12	10-12	2-4	5-7	10-12	2-4	5-7	2-4
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Perfluorooctanoic acids																							
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000792 U	<0.000795 U	NA	NA	<0.000796 U	NA	NA	<0.000788 U	NA	NA	NA	NA	NA	NA
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	6HPFHXSA	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000792 U	<0.000795 U	NA	NA	<0.000796 U	NA	NA	<0.000788 U	NA	NA	NA	NA	NA	NA
3:3 FTCA	356-02-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.00099 U	<0.000994 U	NA	NA	<0.000995 U	NA	NA	<0.000985 U	NA	NA	NA	NA	NA	NA
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000792 U	<0.000795 U	NA	NA	<0.000796 U	NA	NA	<0.000788 U	NA	NA	NA	NA	NA	NA
5:3 FTCA	914637-49-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.00495 U	<0.00497 U	NA	NA	<0.00497 U	NA	NA	<0.00492 U	NA	NA	NA	NA	NA	NA
7:3 FTCA	812-70-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.00495 U	<0.00497 U	NA	NA	<0.00497 U	NA	NA	<0.00492 U	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000792 U	<0.000795 U	NA	NA	<0.000796 U	NA	NA	<0.000788 U	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
N-ethylperfluorooctane sulfonamidoe	1691-99-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.00198 U	<0.00199 U	NA	NA	<0.00199 U	NA	NA	<0.00197 U	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
N-methylperfluorooctane sulfonamide	31506-32-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.00198 U	<0.00199 U	NA	NA	<0.00199 U	NA	NA	<0.00197 U	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000396 U	<0.000397 U	NA	NA	<0.000398 U	NA	NA	<0.000394 U	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000396 U	<0.000397 U	NA	NA	<0.000398 U	NA	NA	<0.000394 U	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000396 U	<0.000397 U	NA	NA	<0.000398 U	NA	NA	<0.000394 U	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000396 U	<0.000397 U	NA	NA	<0.000398 U	NA	NA	<0.000394 U	NA	NA	NA	NA	NA	NA
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000792 U	<0.000795 U	NA	NA	<0.000796 U	NA	NA	<0.000788 U	NA	NA	NA	NA	NA	NA
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	0.000111 J	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	0.000048 J	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	**0.00088**	0.001	0.044	mg/kg	NA	NA	NA	NA	**0.00184**	0.000429	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.0008	0.033	mg/kg	NA	NA	NA	NA	<0.000198 U	0.000191 J	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluoropentanesulfonic Acid	2706-91-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	0.000111 J	<0.000397 U	NA	NA	<0.000398 U	NA	NA	<0.000394 U	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000198 U	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	0.000079 J	<0.000199 U	NA	NA	<0.000199 U	NA	NA	<0.000197 U	NA	NA	NA	NA	NA	NA
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000792 U	<0.000795 U	NA	NA	<0.000796 U	NA	NA	<0.000788 U	NA	NA	NA	NA	NA	NA
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000792 U	<0.000795 U	NA	NA	<0.000796 U	NA	NA	<0.000788 U	NA	NA	NA	NA	NA	NA
Tetrafluoro-2- (heptafluoropropoxy) propanoic Acid	13252-13-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.000792 U	<0.000795 U	NA	NA	<0.000796 U	NA	NA	<0.000788 U	NA	NA	NA	NA	NA	NA

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB11-1C	SB11-1D	SB11-1D	SB11-2A	SB12	SB12	SB12	SB12	SB12	SB12	SB12	SB13	SB13	SB13	SB14	SB14	SB14
					Sample Name	SB11-1C_5-7	SB11-1D_2-4	SB11-1D_5-7	SB11-2A_2-4	SB12_9-11	SB12_9-11_R	SB12_13-15	SB12_23-25	SB12_23-25_R	SB12_28-30	SB12_56-58	SB13_0.5-2.5	SB13_7.5-9.5	SB_DUP	SB14_2-4	DUP03_061323	DUP03_061323_R
					Sample Date	06/19/2023	06/19/2023	06/19/2023	06/20/2023	10/27/2022	06/13/2023	06/13/2023	10/28/2022	06/13/2023	06/13/2023	06/16/2023	10/27/2022	10/27/2022	10/27/2022	06/13/2023	06/13/2023	06/16/2023
					Sample Depth	5-7	2-4	5-7	2-4	9-11	9-11	13-15	23-25	23-25	28-30	56-58	0.5-2.5	7.5-9.5	7.5-9.5	2-4	2-4	2-4
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																						
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.00053 U	<0.00077 U	<0.00047 U	<0.036 U	<0.00057 U	NA	<0.00064 U	<0.044 U	NA	<0.028 U	<0.00051 U	<0.00046 U	<0.00052 U	<0.00045 U	<0.0005 U	NA	<0.00062 U
1,1,1-Trichloroethane	71-55-6	0.68	0.68	100	mg/kg	<0.00053 U	<0.00077 U	<0.00047 U	<0.036 U	<0.00057 U	NA	<0.00064 U	<0.044 U	NA	<0.028 U	<0.00051 U	<0.00046 U	<0.00052 U	<0.00045 U	<0.0005 U	NA	<0.00062 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.00053 U	<0.00077 U	<0.00047 U	<0.036 U	<0.00057 U	NA	<0.00064 U	<0.044 U	NA	<0.028 U	<0.00051 U	<0.00046 U	<0.00052 U	<0.00045 U	<0.0005 U	NA	<0.00062 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	<0.056 U	<0.001 U	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
1,1-Dichloroethane	75-34-3	0.27	0.27	26	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	<0.056 U	<0.001 U	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
1,1-Dichloroethene	75-35-4	0.33	0.33	100	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	<0.056 U	<0.001 U	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	mg/kg	<0.00053 U	<0.00077 U	<0.00047 U	<0.036 U	<0.00057 U	NA	<0.00064 U	<0.044 U	NA	<0.028 U	<0.00051 U	<0.00046 U	<0.00052 U	<0.00045 U	<0.0005 U	NA	<0.00062 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	0.7 J	NA	1.8 J	0.003	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
1,2,4-Trimethylbenzene	95-63-6	**3.6**	3.6	52	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	2.5 J	NA	**22**	0.024	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0032 U	<0.0046 U	<0.0028 U	<0.22 U	<0.0034 U	NA	<0.0038 U	<0.26 U	NA	<0.17 U	<0.0031 U	<0.0028 U	<0.0031 U	<0.0027 U	<0.003 U	NA	<0.0037 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	<0.056 U	<0.001 U	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
1,2-Dichloroethane	107-06-2	0.02	0.02	3.1	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	<0.056 U	<0.001 U	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	<0.056 U	<0.001 U	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**8.4**	8.4	52	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	1.1 J	NA	**8.8 J**	0.014	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
1,4-Diethyl Benzene	105-05-5	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	0.013	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.085 U	<0.12 U	<0.076 U	<5.8 U	<0.091 U	NA	<0.1 U	<7.1 U	NA	<4.5 U	<0.082 U	<0.073 U	<0.083 U	<0.072 U	<0.08 U	NA	<0.1 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
2-Chlorotoluene	95-49-8	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.011 U	<0.015 U	<0.0095 U	<0.73 U	<0.011 U	NA	<0.013 U	<0.88 U	NA	<0.56 U	<0.01 U	<0.0092 U	<0.01 U	<0.009 U	<0.01 U	NA	<0.012 U
4-Chlorotoluene	106-43-4	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
4-Ethyltoluene	622-96-8	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	1.1 J	NA	16 J	0.017	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
Acetone	67-64-1	**0.05**	0.05	100	mg/kg	0.012	0.013 J	<0.0095 U	<0.73 U	**0.062**	NA	0.0077 J	<0.88 U	NA	<0.56 U	**0.12**	0.015	0.0057 J	0.012	0.0063 J	NA	0.016
Acrolein	107-02-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0042 U	<0.0062 U	<0.0038 U	<0.29 U	<0.0045 U	NA	<0.0051 U	<0.35 U	NA	<0.22 U	<0.0041 U	<0.0037 U	<0.0042 U	<0.0036 U	<0.004 U	NA	<0.005 U
Benzene	71-43-2	0.06	0.06	4.8	mg/kg	<0.00053 U	<0.00077 U	<0.00047 U	<0.036 U	<0.00057 U	NA	<0.00064 U	<0.044 U	NA	<0.028 U	<0.00051 U	<0.00046 U	<0.00052 U	<0.00045 U	<0.0005 U	NA	<0.00062 U
Bromobenzene	108-86-1	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.00053 U	<0.00077 U	<0.00047 U	<0.036 U	<0.00057 U	NA	<0.00064 U	<0.044 U	NA	<0.028 U	<0.00051 U	<0.00046 U	<0.00052 U	<0.00045 U	<0.0005 U	NA	<0.00062 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0042 U	<0.0062 U	<0.0038 U	<0.29 U	<0.0045 U	NA	<0.0051 U	<0.35 U	NA	<0.22 U	<0.0041 U	<0.0037 U	<0.0042 U	<0.0036 U	<0.004 U	NA	<0.005 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0021 UJ	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.011 U	<0.015 U	<0.0095 U	<0.73 U	<0.011 U	NA	<0.013 U	<0.88 U	NA	<0.56 U	<0.01 U	<0.0092 U	<0.01 U	<0.009 U	<0.01 U	NA	<0.012 U
Carbon Tetrachloride	56-23-5	0.76	0.76	2.4	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	0.3	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	<0.056 U	<0.001 U	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
Chlorobenzene	108-90-7	1.1	1.1	100	mg/kg	<0.00053 U	<0.00077 U	<0.00047 U	<0.036 U	<0.00057 U	NA	<0.00064 U	<0.044 U	NA	<0.028 U	<0.00051 U	<0.00046 U	<0.00052 U	<0.00045 U	<0.0005 U	NA	<0.00062 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
Chloroform	67-66-3	0.37	0.37	49	mg/kg	<0.0016 U	0.0053	0.00022 J	0.065 J	<0.0017 U	NA	0.00073 J	<0.13 U	NA	<0.085 U	0.0029	<0.0014 U	<0.0016 U	<0.0013 U	0.0023	NA	0.00048 J
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0042 U	<0.0062 U	<0.0038 U	<0.29 U	<0.0045 U	NA	<0.0051 U	<0.35 U	NA	<0.22 U	<0.0041 U	<0.0037 U	<0.0042 U	<0.0036 U	<0.004 U	NA	<0.005 U
Cis-1,2-Dichloroethene	156-59-2	**0.25**	0.25	100	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	<0.056 U	0.00031 J	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.00053 U	<0.00077 U	<0.00047 U	<0.036 U	<0.00057 U	NA	<0.00064 U	<0.044 U	NA	<0.028 U	<0.00051 U	<0.00046 U	<0.00052 U	<0.00045 U	<0.0005 U	NA	<0.00062 U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene	99-87-6	NS	NS	NS	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	0.36 J	NA	2.2 J	0.0036	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	<0.056 U	<0.001 U	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.011 U	<0.015 U	<0.0095 U	<0.73 U	<0.011 U	NA	<0.013 U	<0.88 U	NA	<0.56 U	<0.01 U	<0.0092 U	<0.01 U	<0.009 U	<0.01 U	NA	<0.012 U
Diethyl Ether (Ethyl Ether)	60-29-7	NS	NS	NS	mg/kg	<0.0021 UJ	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
Ethylbenzene	100-41-4	**1**	1	41	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	0.022 J	<0.0011 U	NA	<0.0013 U	0.12 J	NA	**6.8 J**	0.0027	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0042 U	<0.0062 U	<0.0038 U	<0.29 U	<0.0045 U	NA	<0.0051 U	<0.35 U	NA	<0.22 U	<0.0041 U	<0.0037 U	<0.0042 U	<0.0036 U	<0.004 U	NA	<0.005 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	0.16 J	NA	3.3 J	0.002	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	0.09 J	<0.0023 U	NA	<0.0026 U	0.22 J	NA	6.8 J	0.0088	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	0.12	100	mg/kg	<0.011 U	<0.015 U	<0.0095 U	<0.73 U	0.0032 J	NA	<0.013 U	<0.88 U	NA	<0.56 U	<0.01 U	<0.0092 U	<0.01 U	<0.009 U	<0.01 U	NA	<0.012 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	<0.011 U	<0.015 U	<0.0095 U	<0.73 U	<0.011 U	NA	<0.013 U	<0.88 U	NA	<0.56 U	<0.01 U	<0.0092 U	<0.01 U	<0.009 U	<0.01 U	NA	<0.012 U
Methylcyclohexane	108-87-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	75-09-2	0.05	0.05	100	mg/kg	<0.0053 U	<0.0077 U	<0.0047 U	<0.36 U	<0.0057 U	NA	<0.0064 U	<0.44 U	NA	<0.28 U	<0.0051 U	<0.0046 U	<0.0052 U	<0.0045 U	<0.005 U	NA	<0.0062 U
Naphthalene	91-20-3	12	12	100	mg/kg	<0.0042 U	<0.0062 U	<0.0038 U	0.13 J	<0.0045 U	NA	<0.0051 U	0.26 J	NA	4 J	0.0036 J	<0.0037 U	<0.0042 U	<0.0036 U	<0.004 U	NA	<0.005 U
n-Butylbenzene	104-51-8	**12**	12	100	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	0.54 J	NA	2 J	0.0019	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
n-Propylbenzene	103-65-1	**3.9**	3.9	100	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	0.36 J	NA	**5.2 J**	0.003	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	0.042 J	<0.0011 U	NA	<0.0013 U	0.22 J	NA	8.6 J	0.01	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sec-Butylbenzene	135-98-8	**11**	11	100	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	0.45 J	NA	1.7 J	0.002	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
Styrene	100-42-5	NS	NS	NS	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	0.049 J	<0.001 U	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
T-Butylbenzene	98-06-6	5.9	5.9	100	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	0.078 J	NA	0.25 J	0.00049 J	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
Tert-Butyl Alcohol	75-65-0	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tert-Butyl Methyl Ether	1634-04-4	0.93	0.93	100	mg/kg	<0.0021 U	<0.0031 U	<0.0019 U	<0.14 U	<0.0023 U	NA	<0.0026 U	<0.18 U	NA	<0.11 U	<0.002 U	<0.0018 U	<0.0021 U	<0.0018 U	<0.002 U	NA	<0.0025 U
Tetrachloroethene (PCE)	127-18-4	**1.3**	1.3	19	mg/kg	0.00066	0.11	0.013	**6**	0.01	NA	0.014	**7.8 J**	NA	0.031 J	0.013	0.01	0.0058	0.0055	0.012	NA	0.003
Toluene	108-88-3	0.7	0.7	100	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	0.061 J	0.0071	NA	<0.0013 U	<0.088 U	NA	0.07 J	0.0016	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	NS	NS	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	<0.056 U	0.00031 J	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
Total Xylenes	1330-20-7	**0.26**	1.6	100	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	0.13 J	<0.0011 U	NA	<0.0013 U	**0.44 J**	NA	**15 J**	0.019	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	NS	NS	NS	mg/kg	<0.00053 U	<0.00077 U	<0.00047 U	<0.036 U	<0.00057 U	NA	<0.00064 U	<0.044 U	NA	<0.028 U	<0.00051 U	<0.00046 U	<0.00052 U	<0.00045 U	<0.0005 U	NA	<0.00062 U
Trans-1,2-Dichloroethene	156-60-5	**0.19**	0.19	100	mg/kg	<0.0016 U	<0.0023 U	<0.0014 U	<0.11 U	<0.0017 U	NA	<0.0019 U	<0.13 U	NA	<0.085 U	<0.0015 U	<0.0014 U	<0.0016 U	<0.0013 U	<0.0015 U	NA	<0.0019 U
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	mg/kg	<0.0011 U	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	<0.056 U	<0.001 U	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	NS	mg/kg	<0.0053 U	<0.0077 U	<0.0047 U	<0.36 U	<0.0057 U	NA	<0.0064 U	<0.44 U	NA	<0.28 U	<0.0051 U	<0.0046 U	<0.0052 U	<0.0045 U	<0.005 U	NA	<0.0062 U
Trichloroethene (TCE)	79-01-6	**0.47**	0.47	21	mg/kg	0.00078 J	0.092	0.0052	**19**	0.0055	NA	<0.00064 U	<0.044 U	NA	<0.028 U	<0.00051 U	0.0003 J	0.00021 J	<0.00045 U	0.015	NA	0.0022
Trichlorofluoromethane	75-69-4	NS	NS	NS	mg/kg	<0.0042 UJ	<0.0062 U	<0.0038 U	<0.29 U	<0.0045 U	NA	<0.0051 U	<0.35 U	NA	<0.22 UJ	<0.0041 U	<0.0037 U	<0.0042 U	<0.0036 U	<0.004 U	NA	<0.005 U
Vinyl Acetate	108-05-4	NS	NS	NS	mg/kg	<0.011 U	<0.015 U	<0.0095 U	<0.73 U	<0.011 U	NA	<0.013 U	<0.88 U	NA	<0.56 U	<0.01 U	<0.0092 U	<0.01 U	<0.009 U	<0.01 U	NA	<0.012 U
Vinyl Chloride	75-01-4	0.02	0.02	0.9	mg/kg	<0.0011 UJ	<0.0015 U	<0.00095 U	<0.073 U	<0.0011 U	NA	<0.0013 U	<0.088 U	NA	<0.056 U	<0.001 U	<0.00092 U	<0.001 U	<0.0009 U	<0.001 U	NA	<0.0012 U
Total BTEX	BTEX	NS	NS	NS	mg/kg	ND	ND	ND	0.213	0.0071	NA	ND	0.56	NA	21.87	0.0233	ND	ND	ND	ND	NA	ND
Total CVOCs	CVOCS	NS	NS	NS	mg/kg	0.00144	0.202	0.0182	25	0.0155	NA	0.014	7.8	NA	0.031	0.01331	0.0103	0.00601	0.0055	0.027	NA	0.0052
Total VOCs	TOTAL VOCS	NS	NS	NS	mg/kg	0.01344	0.2203	0.01842	25.708	0.0878	NA	0.02243	15.968	NA	89.2	0.24741	0.0253	0.01171	0.0175	0.0356	NA	0.02168

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB11-1C	SB11-1D	SB11-1D	SB11-2A	SB12	SB12	SB12	SB12	SB12	SB12	SB12	SB13	SB13	SB13	SB14	SB14	SB14
					Sample Name	SB11-1C_5-7	SB11-1D_2-4	SB11-1D_5-7	SB11-2A_2-4	SB12_9-11	SB12_9-11_R	SB12_13-15	SB12_23-25	SB12_23-25_R	SB12_28-30	SB12_56-58	SB13_0.5-2.5	SB13_7.5-9.5	SB_DUP	SB14_2-4	DUP03_061323	DUP03_061323_R
					Sample Date	06/19/2023	06/19/2023	06/19/2023	06/20/2023	10/27/2022	06/13/2023	06/13/2023	10/28/2022	06/13/2023	06/13/2023	06/16/2023	10/27/2022	10/27/2022	10/27/2022	06/13/2023	06/13/2023	06/16/2023
					Sample Depth	5-7	2-4	5-7	2-4	9-11	9-11	13-15	23-25	23-25	28-30	56-58	0.5-2.5	7.5-9.5	7.5-9.5	2-4	2-4	2-4
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds																						
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	NA	NA	NA	NA	<0.028 U	<0.029 U	NA	<0.028 U	<0.028 U	NA	<0.029 U	<0.027 U	<0.027 U	<0.027 U	<0.027 U	<0.03 U	NA
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U	<0.11 U	<0.11 U	<0.11 U	<0.11 U	<0.12 U	NA
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.17 U	NA	NA	<0.17 U	NA	NA	<0.17 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.18 U	NA
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.9 U	NA	NA	<0.91 U	NA	NA	<0.92 U	<0.88 U	<0.87 U	<0.85 U	<0.88 U	<0.97 U	NA
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.22 U	NA	NA	<0.23 U	NA	NA	<0.23 U	<0.22 U	<0.22 U	<0.21 U	<0.22 U	<0.24 U	NA
2-Methylphenol (o-Cresol)	95-48-7	0.33	0.33	100	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.4 U	NA	NA	<0.41 U	NA	NA	<0.41 U	<0.4 U	<0.39 U	<0.38 U	<0.4 U	<0.44 U	NA
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	0.33	100	mg/kg	NA	NA	NA	NA	<0.27 U	NA	NA	<0.27 U	NA	NA	<0.28 U	<0.26 U	<0.26 U	<0.26 U	<0.26 U	<0.29 U	NA
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.49 U	NA	NA	<0.49 U	NA	NA	<0.5 U	<0.48 U	<0.47 U	<0.46 U	<0.48 U	<0.52 U	NA
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.26 U	NA	NA	<0.26 U	NA	NA	<0.27 U	<0.26 U	<0.25 U	<0.25 U	<0.26 U	<0.28 U	NA
Acenaphthene	83-32-9	20	98	100	mg/kg	NA	NA	NA	NA	<0.15 U	NA	NA	<0.15 U	NA	NA	<0.15 U	<0.15 U	<0.14 U	<0.14 U	<0.15 U	0.038 J	NA
Acenaphthylene	208-96-8	100	107	100	mg/kg	NA	NA	NA	NA	<0.15 U	NA	NA	<0.15 U	NA	NA	<0.15 U	<0.15 U	<0.14 U	<0.14 U	<0.15 U	<0.16 U	NA
Acetophenone	98-86-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	100	1000	100	mg/kg	NA	NA	NA	NA	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U	<0.11 U	<0.11 U	<0.11 U	0.059 J	0.095 J	NA
Atrazine	1912-24-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	92-87-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	**1**	1	1	mg/kg	NA	NA	NA	NA	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U	<0.11 U	<0.11 U	<0.11 U	0.25	0.32	NA
Benzo(a)pyrene	50-32-8	**1**	22	1	mg/kg	NA	NA	NA	NA	<0.15 U	NA	NA	<0.15 U	NA	NA	<0.15 U	<0.15 U	<0.14 U	<0.14 U	0.25	0.31	NA
Benzo(b)fluoranthene	205-99-2	**1**	1.7	1	mg/kg	NA	NA	NA	NA	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U	<0.11 U	<0.11 U	<0.11 U	0.3	0.37	NA
Benzo(g,h,i)Perylene	191-24-2	100	1000	100	mg/kg	NA	NA	NA	NA	<0.15 U	NA	NA	<0.15 U	NA	NA	<0.15 U	<0.15 U	<0.14 U	<0.14 U	0.15	0.18	NA
Benzo(k)fluoranthene	207-08-9	**0.8**	1.7	3.9	mg/kg	NA	NA	NA	NA	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U	<0.11 U	<0.11 U	<0.11 U	0.089 J	0.12	NA
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.61 U	NA	NA	<0.61 U	NA	NA	<0.62 UJ	<0.59 U	<0.59 U	<0.58 U	<0.59 U	<0.66 UJ	NA
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.43 U	NA	NA	<0.43 U	NA	NA	<0.44 U	<0.42 U	<0.41 U	<0.41 U	<0.42 U	<0.46 U	NA
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.2 U	NA	NA	<0.2 U	NA	NA	<0.21 U	<0.2 U	<0.2 U	<0.19 U	<0.2 U	<0.22 U	NA
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.17 U	NA	NA	<0.17 U	NA	NA	<0.17 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.18 U	NA
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.22 U	NA	NA	<0.23 UJ	NA	NA	<0.23 U	<0.22 U	<0.22 U	<0.21 U	<0.22 U	<0.24 U	NA
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	0.63	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
Caprolactam	105-60-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	86-74-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	0.024 J	0.039 J	NA
Chrysene	218-01-9	**1**	1	3.9	mg/kg	NA	NA	NA	NA	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U	<0.11 U	<0.11 U	<0.11 U	0.24	0.33	NA
Dibenz(a,h)anthracene	53-70-3	**0.33**	1000	0.33	mg/kg	NA	NA	NA	NA	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U	<0.11 U	<0.11 U	<0.11 U	0.033 J	0.043 J	NA
Dibenzofuran	132-64-9	7	210	59	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	0.022 J	NA
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
Dioctyl phthalate	117-84-0	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
Fluoranthene	206-44-0	100	1000	100	mg/kg	NA	NA	NA	NA	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U	<0.11 U	<0.11 U	<0.11 U	0.46	0.65	NA
Fluorene	86-73-7	30	386	100	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	0.019 J	0.035 J	NA
Hexachlorobenzene	118-74-1	0.33	3.2	1.2	mg/kg	NA	NA	NA	NA	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U	<0.11 U	<0.11 U	<0.11 U	<0.11 U	<0.12 U	NA
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
Hexachlorocyclopentadiene	77-47-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.54 U	NA	NA	<0.54 U	NA	NA	<0.55 UJ	<0.52 U	<0.52 U	<0.51 U	<0.52 U	<0.58 UJ	NA
Hexachloroethane	67-72-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.15 U	NA	NA	<0.15 U	NA	NA	<0.15 U	<0.15 U	<0.14 U	<0.14 U	<0.15 U	<0.16 U	NA
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	8.2	0.5	mg/kg	NA	NA	NA	NA	<0.15 U	NA	NA	<0.15 U	NA	NA	<0.15 U	<0.15 U	<0.14 U	<0.14 U	0.16	0.2	NA
Isophorone	78-59-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.17 U	NA	NA	<0.17 U	NA	NA	<0.17 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.18 U	NA
Naphthalene	91-20-3	12	12	100	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	0.042 J	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	0.028 J	NA
Nitrobenzene	98-95-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.17 U	NA	NA	<0.17 U	NA	NA	<0.17 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.18 U	NA
n-Nitrosodimethylamine	62-75-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
n-Nitrosodiphenylamine	86-30-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	<0.15 U	NA	NA	<0.15 U	NA	NA	<0.15 U	<0.15 U	<0.14 U	<0.14 U	<0.15 U	<0.16 U	NA
Pentachlorophenol	87-86-5	0.8	0.8	6.7	mg/kg	NA	NA	NA	NA	<0.15 U	NA	NA	<0.15 U	NA	NA	<0.15 U	<0.15 U	<0.14 U	<0.14 U	<0.15 U	<0.16 U	NA
Phenanthrene	85-01-8	100	1000	100	mg/kg	NA	NA	NA	NA	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U	<0.11 U	<0.11 U	<0.11 U	0.26	0.42	NA
Phenol	108-95-2	0.33	0.33	100	mg/kg	NA	NA	NA	NA	<0.19 U	NA	NA	<0.19 U	NA	NA	<0.19 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.2 U	NA
Pyrene	129-00-0	100	1000	100	mg/kg	NA	NA	NA	NA	<0.11 U	NA	NA	<0.11 U	NA	NA	<0.11 U	<0.11 U	<0.11 U	<0.11 U	0.41	0.59	NA
Pyridine	110-86-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB11-1C	SB11-1D	SB11-1D	SB11-2A	SB12	SB12	SB12	SB12	SB12	SB12	SB12	SB13	SB13	SB13	SB14	SB14	SB14
					Sample Name	SB11-1C_5-7	SB11-1D_2-4	SB11-1D_5-7	SB11-2A_2-4	SB12_9-11	SB12_9-11_R	SB12_13-15	SB12_23-25	SB12_23-25_R	SB12_28-30	SB12_56-58	SB13_0.5-2.5	SB13_7.5-9.5	SB_DUP	SB14_2-4	DUP03_061323	DUP03_061323_R
					Sample Date	06/19/2023	06/19/2023	06/19/2023	06/20/2023	10/27/2022	06/13/2023	06/13/2023	10/28/2022	06/13/2023	06/13/2023	06/16/2023	10/27/2022	10/27/2022	10/27/2022	06/13/2023	06/13/2023	06/16/2023
					Sample Depth	5-7	2-4	5-7	2-4	9-11	9-11	13-15	23-25	23-25	28-30	56-58	0.5-2.5	7.5-9.5	7.5-9.5	2-4	2-4	2-4
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides																						
4,4'-DDD	72-54-8	0.0033	14	13	mg/kg	NA	NA	NA	NA	NA	<0.00182 U	NA	NA	<0.00174 U	NA	<0.0018 U	NA	NA	NA	<0.00173 U	<0.00189 U	NA
4,4'-DDE	72-55-9	0.0033	17	8.9	mg/kg	NA	NA	NA	NA	NA	0.00284	NA	NA	<0.00174 U	NA	<0.0018 U	NA	NA	NA	<0.00173 U	<0.00189 U	NA
4,4'-DDT	50-29-3	**0.0033**	136	7.9	mg/kg	NA	NA	NA	NA	NA	**0.00438 J**	NA	NA	<0.00174 U	NA	<0.0018 U	NA	NA	NA	<0.00173 U	<0.00189 U	NA
Aldrin	309-00-2	0.005	0.19	0.097	mg/kg	NA	NA	NA	NA	NA	<0.00182 U	NA	NA	<0.00174 U	NA	<0.0018 U	NA	NA	NA	<0.00173 U	<0.00189 U	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.02	0.48	mg/kg	NA	NA	NA	NA	NA	<0.000757 U	NA	NA	<0.000726 U	NA	<0.00075 U	NA	NA	NA	<0.00072 U	<0.000788 U	NA
Alpha Chlordane	5103-71-9	0.094	2.9	4.2	mg/kg	NA	NA	NA	NA	NA	<0.00227 U	NA	NA	<0.00218 U	NA	<0.00225 U	NA	NA	NA	<0.00216 U	<0.00236 U	NA
Alpha Endosulfan	959-98-8	2.4	102	24	mg/kg	NA	NA	NA	NA	NA	<0.00182 U	NA	NA	<0.00174 U	NA	<0.0018 U	NA	NA	NA	<0.00173 U	<0.00189 U	NA
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.09	0.36	mg/kg	NA	NA	NA	NA	NA	<0.00182 U	NA	NA	<0.00174 U	NA	<0.0018 U	NA	NA	NA	<0.00173 U	<0.00189 U	NA
Beta Endosulfan	33213-65-9	2.4	102	24	mg/kg	NA	NA	NA	NA	NA	<0.00182 U	NA	NA	<0.00174 U	NA	<0.0018 U	NA	NA	NA	<0.00173 U	<0.00189 U	NA
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0151 U	NA	NA	<0.0145 U	NA	<0.015 U	NA	NA	NA	<0.0144 U	<0.0158 U	NA
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	0.25	100	mg/kg	NA	NA	NA	NA	NA	<0.00182 U	NA	NA	<0.00174 U	NA	<0.0018 U	NA	NA	NA	<0.00173 U	<0.00189 U	NA
Dieldrin	60-57-1	0.005	0.1	0.2	mg/kg	NA	NA	NA	NA	NA	<0.00114 U	NA	NA	<0.00109 U	NA	<0.00112 U	NA	NA	NA	<0.00108 U	<0.00118 U	NA
Endosulfan Sulfate	1031-07-8	2.4	1000	24	mg/kg	NA	NA	NA	NA	NA	<0.000757 U	NA	NA	<0.000726 U	NA	<0.00075 U	NA	NA	NA	<0.00072 U	<0.000788 U	NA
Endrin	72-20-8	0.014	0.06	11	mg/kg	NA	NA	NA	NA	NA	<0.000757 U	NA	NA	<0.000726 U	NA	<0.00075 U	NA	NA	NA	<0.00072 U	<0.000788 U	NA
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00227 U	NA	NA	<0.00218 U	NA	<0.00225 U	NA	NA	NA	<0.00216 U	<0.00236 U	NA
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00182 U	NA	NA	<0.00174 U	NA	<0.0018 U	NA	NA	NA	<0.00173 U	<0.00189 U	NA
Gamma Bhc (Lindane)	58-89-9	0.1	0.1	1.3	mg/kg	NA	NA	NA	NA	NA	<0.000757 U	NA	NA	<0.000726 U	NA	<0.00075 U	NA	NA	NA	<0.00072 U	<0.000788 U	NA
Gamma Chlordane (Trans)	5103-74-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00227 U	NA	NA	<0.00218 U	NA	<0.00225 U	NA	NA	NA	<0.00216 U	<0.00236 U	NA
Heptachlor	76-44-8	0.042	0.38	2.1	mg/kg	NA	NA	NA	NA	NA	<0.000908 U	NA	NA	<0.000871 U	NA	<0.000899 U	NA	NA	NA	<0.000864 U	<0.000946 U	NA
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0034 U	NA	NA	<0.00327 U	NA	<0.00337 U	NA	NA	NA	<0.00324 U	<0.00355 U	NA
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0034 U	NA	NA	<0.00327 U	NA	<0.00337 U	NA	NA	NA	<0.00324 U	<0.00355 U	NA
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.034 U	NA	NA	<0.0327 U	NA	<0.0337 U	NA	NA	NA	<0.0324 U	<0.0355 U	NA
Herbicides																						
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.195 U	NA	NA	<0.185 U	NA	<0.191 U	NA	NA	NA	<0.178 U	<0.201 U	NA
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.195 U	NA	NA	<0.185 U	NA	<0.191 U	NA	NA	NA	<0.178 U	<0.201 U	NA
Silvex (2,4,5-Tp)	93-72-1	3.8	3.8	100	mg/kg	NA	NA	NA	NA	NA	<0.195 U	NA	NA	<0.185 U	NA	<0.191 U	NA	NA	NA	<0.178 U	<0.201 U	NA
Polychlorinated Biphenyl																						
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0574 U	NA	NA	<0.0555 U	NA	<0.058 U	NA	NA	NA	<0.0515 U	<0.056 U	NA
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0574 U	NA	NA	<0.0555 U	NA	<0.058 U	NA	NA	NA	<0.0515 U	<0.056 U	NA
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0574 U	NA	NA	<0.0555 U	NA	<0.058 U	NA	NA	NA	<0.0515 U	<0.056 U	NA
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0574 U	NA	NA	<0.0555 U	NA	<0.058 U	NA	NA	NA	<0.0515 U	<0.056 U	NA
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0574 U	NA	NA	<0.0555 U	NA	<0.058 U	NA	NA	NA	<0.0515 U	<0.056 U	NA
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0574 U	NA	NA	<0.0555 U	NA	<0.058 U	NA	NA	NA	<0.0515 U	<0.056 U	NA
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0574 U	NA	NA	<0.0555 U	NA	<0.058 U	NA	NA	NA	<0.0515 U	<0.056 U	NA
PCB-1262 (Aroclor 1262)	37324-23-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0574 U	NA	NA	<0.0555 U	NA	<0.058 U	NA	NA	NA	<0.0515 U	<0.056 U	NA
PCB-1268 (Aroclor 1268)	11100-14-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.0574 U	NA	NA	<0.0555 U	NA	<0.058 U	NA	NA	NA	<0.0515 U	<0.056 U	NA
Total PCBs	1336-36-3	0.1	3.2	1	mg/kg	NA	NA	NA	NA	NA	<0.0574 U	NA	NA	<0.0555 U	NA	<0.058 U	NA	NA	NA	<0.0515 U	<0.056 U	NA
Metals																						
Aluminum	7429-90-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	8,170	NA	NA	6,100	NA	NA	2,500	5,180	3,430	4,710	6,410	7,680	NA
Antimony	7440-36-0	NS	NS	NS	mg/kg	NA	NA	NA	NA	<4.48 U	NA	NA	<4.47 U	NA	NA	<4.38 U	<4.34 U	<4.37 U	<4.27 U	2.04 J	1.77 J	NA
Arsenic	7440-38-2	**13**	16	16	mg/kg	NA	NA	NA	NA	2.78	NA	NA	1.56	NA	NA	0.471 J	3.55	2	1.62	4.1	3.64	NA
Barium	7440-39-3	**350**	820	400	mg/kg	NA	NA	NA	NA	16.8	NA	NA	38.8	NA	NA	14.9	40.1	20.7	21.2	61.9	57.5	NA
Beryllium	7440-41-7	7.2	47	72	mg/kg	NA	NA	NA	NA	0.269 J	NA	NA	0.365 J	NA	NA	0.104 J	0.252 J	0.166 J	0.171 J	0.392 J	0.584	NA
Cadmium	7440-43-9	**2.5**	7.5	4.3	mg/kg	NA	NA	NA	NA	0.179 J	NA	NA	0.17 J	NA	NA	0.144 J	0.269 J	0.122 J	0.162 J	1.4	0.827 J	NA
Calcium	7440-70-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	1,280	NA	NA	554	NA	NA	1,010	1,390 J	920	900	2,150	2,970	NA
Chromium, Hexavalent	18540-29-9	1	19	110	mg/kg	NA	NA	NA	NA	NA	0.608 J	NA	NA	0.383 J	NA	0.21 J	NA	NA	NA	0.198 J	0.281 J	NA
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	**23.9**	NA	NA	**20.9**	NA	NA	**8.88**	**10.7**	**7.84**	**12.8**	**13.5**	**15.7**	NA
Chromium, Trivalent	16065-83-1	**30**	NS	180	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.67 J	NA	NA	NA	13.3 J	15.4 J	NA
Cobalt	7440-48-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	4.42	NA	NA	5.74	NA	NA	2.65	3.38	3.09	5.06	4.18	5.87	NA
Copper	7440-50-8	**50**	1720	270	mg/kg	NA	NA	NA	NA	8.8	NA	NA	12.9	NA	NA	8.67	14.1 J	6.64	9.25	**54.4**	43.4	NA
Cyanide	57-12-5	27	40	27	mg/kg	NA	NA	NA	NA	NA	<1.1 U	NA	NA	<1 UJ	NA	<1.1 U	NA	NA	NA	<1 UJ	<1.2 UJ	NA
Iron	7439-89-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	13,600	NA	NA	14,400	NA	NA	12,300	9,510	8,080	10,900	13,200	16,700	NA
Lead	7439-92-1	**63**	450	400	mg/kg	NA	NA	NA	NA	7.18	NA	NA	3.94 J	NA	NA	2.18 J	**85.6 J**	4.93	5.17	**177**	**116**	NA
Magnesium	7439-95-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	1,770	NA	NA	1,780	NA	NA	1,420	1,200	1,060	1,540	1,250	1,710	NA
Manganese	7439-96-5	1600	2000	2000	mg/kg	NA	NA	NA	NA	162	NA	NA	298	NA	NA	211	233 J	157	182	217	267	NA
Mercury	7439-97-6	**0.18**	0.73	0.81	mg/kg	NA	NA	NA	NA	<0.076 U	NA	NA	<0.073 U	NA	NA	<0.073 U	0.092	<0.075 U	<0.074 U	**0.409**	**0.288**	NA
Nickel	7440-02-0	**30**	130	310	mg/kg	NA	NA	NA	NA	12	NA	NA	11.2	NA	NA	7.47	6.52	5.72	7.98	9.4	11.1	NA
Potassium	7440-09-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	459	NA	NA	968	NA	NA	572	372	238	477	368	410	NA
Selenium	7782-49-2	**3.9**	4	180	mg/kg	NA	NA	NA	NA	<1.79 U	NA	NA	0.481 J	NA	NA	<1.75 U	<1.74 U	<1.75 U	<1.71 U	<1.67 U	0.381 J	NA
Silver	7440-22-4	**2**	8.3	180	mg/kg	NA	NA	NA	NA	<0.448 U	NA	NA	<0.447 U	NA	NA	<0.438 U	<0.434 U	<0.437 U	<0.427 U	1.18	**2.03**	NA
Sodium	7440-23-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	83.8 J	NA	NA	<179 U	NA	NA	311	81.1 J	61.3 J	89.6 J	<167 U	<189 U	NA
Thallium	7440-28-0	NS	NS	NS	mg/kg	NA	NA	NA	NA	<1.79 U	NA	NA	<1.79 U	NA	NA	<1.75 U	<1.74 U	<1.75 U	<1.71 U	<1.67 U	<1.89 U	NA
Vanadium	7440-62-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	21.2	NA	NA	23.2	NA	NA	10.7	14.8	13	18.1	17.3	19.4	NA
Zinc	7440-66-6	**109**	2480	10000	mg/kg	NA	NA	NA	NA	25	NA	NA	25.7	NA	NA	12.8	42.2 J	13.1 J	22.3 J	**442**	**203**	NA
General Chemistry																						
Total Solids	TSOLID	NS	NS	NS	Percent	92.6	86.6	86.2	90.9	88.4	83.8	86.5	87.1	88.8	88.8	85.8	89.7	89.4	91.6	91	81.8	86.8

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB11-1C	SB11-1D	SB11-1D	SB11-2A	SB12	SB12	SB12	SB12	SB12	SB12	SB12	SB13	SB13	SB13	SB14	SB14	SB14
					Sample Name	SB11-1C_5-7	SB11-1D_2-4	SB11-1D_5-7	SB11-2A_2-4	SB12_9-11	SB12_9-11_R	SB12_13-15	SB12_23-25	SB12_23-25_R	SB12_28-30	SB12_56-58	SB13_0.5-2.5	SB13_7.5-9.5	SB_DUP	SB14_2-4	DUP03_061323	DUP03_061323_R
					Sample Date	06/19/2023	06/19/2023	06/19/2023	06/20/2023	10/27/2022	06/13/2023	06/13/2023	10/28/2022	06/13/2023	06/13/2023	06/16/2023	10/27/2022	10/27/2022	10/27/2022	06/13/2023	06/13/2023	06/16/2023
					Sample Depth	5-7	2-4	5-7	2-4	9-11	9-11	13-15	23-25	23-25	28-30	56-58	0.5-2.5	7.5-9.5	7.5-9.5	2-4	2-4	2-4
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Perfluorooctanoic acids																						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000786 U	NA	NA	<0.000751 U	NA	<0.00079 U	NA	NA	NA	<0.000729 U	<0.000741 U	NA
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	6HPFHXSA	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000786 U	NA	NA	<0.000751 U	NA	<0.00079 U	NA	NA	NA	<0.000729 U	<0.000741 U	NA
3:3 FTCA	356-02-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000983 U	NA	NA	<0.000938 U	NA	<0.000988 U	NA	NA	NA	<0.000911 U	<0.000926 U	NA
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000786 U	NA	NA	<0.000751 U	NA	<0.00079 U	NA	NA	NA	<0.000729 U	<0.000741 U	NA
5:3 FTCA	914637-49-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00491 U	NA	NA	<0.00469 U	NA	<0.00494 U	NA	NA	NA	<0.00456 U	<0.00463 U	NA
7:3 FTCA	812-70-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00491 U	NA	NA	<0.00469 U	NA	<0.00494 U	NA	NA	NA	<0.00456 U	<0.00463 U	NA
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000786 U	NA	NA	<0.000751 U	NA	<0.00079 U	NA	NA	NA	<0.000729 U	<0.000741 U	NA
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
N-ethylperfluorooctane sulfonamidoe	1691-99-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00196 U	NA	NA	<0.00188 U	NA	<0.00198 U	NA	NA	NA	<0.00182 U	<0.00185 U	NA
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
N-methylperfluorooctane sulfonamide	31506-32-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.00196 U	NA	NA	<0.00188 U	NA	<0.00198 U	NA	NA	NA	<0.00182 U	<0.00185 U	NA
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000393 U	NA	NA	<0.000375 U	NA	<0.000395 U	NA	NA	NA	<0.000364 U	<0.00037 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000393 U	NA	NA	<0.000375 U	NA	<0.000395 U	NA	NA	NA	<0.000364 U	<0.00037 U	NA
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000393 U	NA	NA	<0.000375 U	NA	<0.000395 U	NA	NA	NA	<0.000364 U	<0.00037 U	NA
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000393 U	NA	NA	<0.000375 U	NA	<0.000395 U	NA	NA	NA	<0.000364 U	<0.00037 U	NA
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000786 U	NA	NA	<0.000751 U	NA	<0.00079 U	NA	NA	NA	<0.000729 U	<0.000741 U	NA
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	0.00003 J	NA
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	**0.00088**	0.001	0.044	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	0.000131 J	0.000133 J	NA
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.0008	0.033	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	0.000138 J	0.0002	NA
Perfluoropentanesulfonic Acid	2706-91-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000393 U	NA	NA	<0.000375 U	NA	<0.000395 U	NA	NA	NA	<0.000364 U	<0.00037 U	NA
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000196 U	NA	NA	<0.000188 U	NA	<0.000198 U	NA	NA	NA	<0.000182 U	<0.000185 U	NA
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000786 U	NA	NA	<0.000751 U	NA	<0.00079 U	NA	NA	NA	<0.000729 U	<0.000741 U	NA
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000786 U	NA	NA	<0.000751 U	NA	<0.00079 U	NA	NA	NA	<0.000729 U	<0.000741 U	NA
Tetrafluoro-2- (heptafluoropropoxy) propanoic Acid	13252-13-6	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	<0.000786 U	NA	NA	<0.000751 U	NA	<0.00079 U	NA	NA	NA	<0.000729 U	<0.000741 U	NA

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB14	SB14	SB14	SB14	SB15	SB15	SB16	SB16	SB16	SB17	SB17
					Sample Name	SB14_5-7	DUP04_061323	SB-14_5-7	SB14_60-62	SB15_2-4	SB15_5-7	SB16_2-4	SB16_5-7	SB16_58-60	SB17_2-4	SB17_5-7
					Sample Date	06/13/2023	06/13/2023	06/16/2023	06/15/2023	05/30/2023	05/30/2023	06/19/2023	06/19/2023	06/19/2023	06/15/2023	06/15/2023
					Sample Depth	5-7	5-7	5-7	60-62	2-4	5-7	2-4	5-7	58-60	2-4	5-7
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	NA	<0.00045 U	<0.00073 U	<0.00057 U	<0.00053 U	<0.00056 U	<0.00057 U	<0.0005 U	<0.00045 U	<0.00057 U	<0.0004 U
1,1,1-Trichloroethane	71-55-6	0.68	0.68	100	mg/kg	NA	<0.00045 U	<0.00073 U	<0.00057 U	<0.00053 U	<0.00056 U	<0.00057 U	<0.0005 U	<0.00045 U	<0.00057 U	<0.0004 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	NA	<0.00045 U	<0.00073 U	<0.00057 U	<0.00053 U	<0.00056 U	<0.00057 U	<0.0005 U	<0.00045 U	<0.00057 U	<0.0004 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
1,1-Dichloroethane	75-34-3	0.27	0.27	26	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
1,1-Dichloroethene	75-35-4	0.33	0.33	100	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	mg/kg	NA	<0.00045 U	<0.00073 U	<0.00057 U	<0.00053 U	<0.00056 U	<0.00057 U	<0.0005 U	<0.00045 U	<0.00057 U	<0.0004 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
1,2,4-Trimethylbenzene	95-63-6	**3.6**	3.6	52	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	NA	<0.0027 U	<0.0044 U	<0.0034 U	<0.0032 U	<0.0033 U	<0.0034 U	<0.003 U	<0.0027 U	<0.0034 U	<0.0024 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
1,2-Dichloroethane	107-06-2	0.02	0.02	3.1	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**8.4**	8.4	52	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
1,4-Diethyl Benzene	105-05-5	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	NA	<0.072 U	<0.12 U	<0.091 U	<0.085 U	<0.089 U	<0.092 U	<0.079 U	<0.072 U	<0.091 U	<0.063 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
2-Chlorotoluene	95-49-8	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	NA	<0.009 U	<0.014 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.0099 U	<0.009 U	<0.011 U	<0.0079 U
4-Chlorotoluene	106-43-4	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
4-Ethyltoluene	622-96-8	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
Acetone	67-64-1	**0.05**	0.05	100	mg/kg	NA	<0.009 U	<0.014 U	<0.011 U	0.0084 J	0.0053 J	<0.011 U	<0.0099 U	0.0048 J	<0.011 U	<0.0079 U
Acrolein	107-02-8	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	NA	<0.0036 U	<0.0058 U	<0.0045 U	<0.0043 U	<0.0044 U	<0.0046 U	<0.004 U	<0.0036 U	<0.0045 U	<0.0032 U
Benzene	71-43-2	0.06	0.06	4.8	mg/kg	NA	<0.00045 U	<0.00073 U	<0.00057 U	<0.00053 U	<0.00056 U	<0.00057 U	<0.0005 U	<0.00045 U	<0.00057 U	<0.0004 U
Bromobenzene	108-86-1	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	NA	<0.00045 U	<0.00073 U	<0.00057 U	<0.00053 U	<0.00056 U	<0.00057 U	<0.0005 U	<0.00045 U	<0.00057 U	<0.0004 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	NA	<0.0036 U	<0.0058 U	<0.0045 U	<0.0043 U	<0.0044 U	<0.0046 U	<0.004 U	<0.0036 U	<0.0045 U	<0.0032 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 UJ	<0.002 UJ	<0.0018 UJ	<0.0023 U	<0.0016 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	NA	<0.009 U	<0.014 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.0099 U	<0.009 U	<0.011 U	<0.0079 U
Carbon Tetrachloride	56-23-5	0.76	0.76	2.4	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
Chlorobenzene	108-90-7	1.1	1.1	100	mg/kg	NA	<0.00045 U	<0.00073 U	<0.00057 U	<0.00053 U	<0.00056 U	<0.00057 U	<0.0005 U	<0.00045 U	<0.00057 U	<0.0004 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
Chloroform	67-66-3	0.37	0.37	49	mg/kg	NA	0.001 J	0.00031 J	0.00076 J	0.00024 J	0.0004 J	<0.0017 U	<0.0015 U	0.0021	<0.0017 U	<0.0012 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	NA	<0.0036 U	<0.0058 U	<0.0045 U	<0.0043 U	<0.0044 U	<0.0046 U	<0.004 U	<0.0036 U	<0.0045 U	<0.0032 U
Cis-1,2-Dichloroethene	156-59-2	**0.25**	0.25	100	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	0.0017	<0.0011 U	<0.00079 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	NA	<0.00045 U	<0.00073 U	<0.00057 U	<0.00053 U	<0.00056 U	<0.00057 U	<0.0005 U	<0.00045 U	<0.00057 U	<0.0004 U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene	99-87-6	NS	NS	NS	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	NA	<0.009 U	<0.014 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.0099 U	<0.009 U	<0.011 U	<0.0079 U
Diethyl Ether (Ethyl Ether)	60-29-7	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 UJ	<0.002 UJ	<0.0018 UJ	<0.0023 U	<0.0016 U
Ethylbenzene	100-41-4	**1**	1	41	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	NA	<0.0036 U	<0.0058 U	<0.0045 U	<0.0043 U	<0.0044 U	<0.0046 U	<0.004 U	<0.0036 U	<0.0045 U	<0.0032 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	0.12	100	mg/kg	NA	<0.009 U	<0.014 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.0099 U	<0.009 U	<0.011 U	<0.0079 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	NA	<0.009 U	<0.014 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.0099 U	<0.009 U	<0.011 U	<0.0079 U
Methylcyclohexane	108-87-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	75-09-2	0.05	0.05	100	mg/kg	NA	<0.0045 U	<0.0073 U	<0.0057 U	<0.0053 U	<0.0056 U	<0.0057 U	<0.005 U	<0.0045 U	<0.0057 U	<0.004 U
Naphthalene	91-20-3	12	12	100	mg/kg	NA	<0.0036 U	<0.0058 U	<0.0045 U	<0.0043 U	<0.0044 U	<0.0046 U	<0.004 U	<0.0036 U	<0.0045 U	<0.0032 U
n-Butylbenzene	104-51-8	**12**	12	100	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
n-Propylbenzene	103-65-1	**3.9**	3.9	100	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sec-Butylbenzene	135-98-8	**11**	11	100	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
Styrene	100-42-5	NS	NS	NS	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
T-Butylbenzene	98-06-6	5.9	5.9	100	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
Tert-Butyl Alcohol	75-65-0	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tert-Butyl Methyl Ether	1634-04-4	0.93	0.93	100	mg/kg	NA	<0.0018 U	<0.0029 U	<0.0023 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.002 U	<0.0018 U	<0.0023 U	<0.0016 U
Tetrachloroethene (PCE)	127-18-4	**1.3**	1.3	19	mg/kg	NA	0.019	0.019	0.027	0.004	0.0035	0.002	0.0051	0.012	0.019	0.0038
Toluene	108-88-3	0.7	0.7	100	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	0.0029	0.0028	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	NS	NS	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	0.0017	<0.0011 U	<0.00079 U
Total Xylenes	1330-20-7	**0.26**	1.6	100	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	NS	NS	NS	mg/kg	NA	<0.00045 U	<0.00073 U	<0.00057 U	<0.00053 U	<0.00056 U	<0.00057 U	<0.0005 U	<0.00045 U	<0.00057 U	<0.0004 U
Trans-1,2-Dichloroethene	156-60-5	**0.19**	0.19	100	mg/kg	NA	<0.0014 U	<0.0022 U	<0.0017 U	<0.0016 U	<0.0017 U	<0.0017 U	<0.0015 U	<0.0013 U	<0.0017 U	<0.0012 U
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.00099 U	<0.0009 U	<0.0011 U	<0.00079 U
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	NS	mg/kg	NA	<0.0045 U	<0.0073 U	<0.0057 U	<0.0053 U	<0.0056 U	<0.0057 U	<0.005 U	<0.0045 U	<0.0057 U	<0.004 U
Trichloroethene (TCE)	79-01-6	**0.47**	0.47	21	mg/kg	NA	0.023	0.02	0.0016	0.00098	0.00074	<0.00057 UJ	<0.0005 UJ	0.0011 J	0.012	0.0036
Trichlorofluoromethane	75-69-4	NS	NS	NS	mg/kg	NA	<0.0036 U	<0.0058 U	<0.0045 U	<0.0043 UJ	<0.0044 UJ	<0.0046 UJ	<0.004 UJ	<0.0036 UJ	<0.0045 U	<0.0032 U
Vinyl Acetate	108-05-4	NS	NS	NS	mg/kg	NA	<0.009 U	<0.014 U	<0.011 U	<0.011 U	<0.011 U	<0.011 U	<0.0099 U	<0.009 U	<0.011 U	<0.0079 U
Vinyl Chloride	75-01-4	0.02	0.02	0.9	mg/kg	NA	<0.0009 U	<0.0014 U	<0.0011 U	<0.0011 U	<0.0011 U	<0.0011 UJ	<0.00099 UJ	<0.0009 UJ	<0.0011 U	<0.00079 U
Total BTEX	BTEX	NS	NS	NS	mg/kg	NA	ND	ND	ND	0.0029	0.0028	ND	ND	ND	ND	ND
Total CVOCs	CVOCS	NS	NS	NS	mg/kg	NA	0.042	0.039	0.0286	0.00498	0.00424	0.002	0.0051	0.0148	0.031	0.0074
Total VOCs	TOTAL VOCS	NS	NS	NS	mg/kg	NA	0.043	0.03931	0.02936	0.01652	0.01274	0.002	0.0051	0.0234	0.031	0.0074

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB14	SB14	SB14	SB14	SB15	SB15	SB16	SB16	SB16	SB17	SB17
					Sample Name	SB14_5-7	DUP04_061323	SB-14_5-7	SB14_60-62	SB15_2-4	SB15_5-7	SB16_2-4	SB16_5-7	SB16_58-60	SB17_2-4	SB17_5-7
					Sample Date	06/13/2023	06/13/2023	06/16/2023	06/15/2023	05/30/2023	05/30/2023	06/19/2023	06/19/2023	06/19/2023	06/15/2023	06/15/2023
					Sample Depth	5-7	5-7	5-7	60-62	2-4	5-7	2-4	5-7	58-60	2-4	5-7
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds																
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.026 U	<0.027 U	NA	<0.029 U	<0.03 U	<0.029 U	<0.027 U	<0.03 U	<0.028 U	<0.028 U	<0.027 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.1 U	<0.11 U	NA	<0.12 U	<0.12 U	<0.12 U	<0.11 U	<0.12 U	<0.11 U	<0.11 U	<0.11 U
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.16 U	<0.16 U	NA	<0.17 U	<0.18 U	<0.18 U	<0.16 U	<0.18 U	<0.17 U	<0.17 U	<0.16 U
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.85 U	<0.87 U	NA	<0.93 U	<0.95 U	<0.94 U	<0.88 U	<0.95 U	<0.9 U	<0.91 U	<0.87 U
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	<0.21 U	<0.22 U	NA	<0.23 U	<0.24 U	<0.24 U	0.022 J	<0.24 U	<0.22 U	<0.23 U	<0.22 U
2-Methylphenol (o-Cresol)	95-48-7	0.33	0.33	100	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.38 U	<0.39 U	NA	<0.42 U	<0.43 U	<0.42 U	<0.4 U	<0.43 U	<0.4 U	<0.41 U	<0.39 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	0.33	100	mg/kg	<0.25 U	<0.26 U	NA	<0.28 U	<0.28 U	<0.28 U	<0.26 U	<0.28 U	<0.27 U	<0.27 U	<0.26 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.46 U	<0.47 U	NA	<0.5 U	<0.52 U	<0.51 U	<0.48 U	<0.51 U	<0.49 U	<0.49 U	<0.47 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 UJ	<0.2 UJ	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.25 U	<0.25 U	NA	<0.27 U	<0.28 U	<0.28 U	<0.26 U	<0.28 U	<0.26 U	<0.26 U	<0.25 U
Acenaphthene	83-32-9	20	98	100	mg/kg	<0.14 U	<0.14 U	NA	<0.15 U	<0.16 U	<0.16 U	0.026 J	<0.16 U	<0.15 U	<0.15 U	<0.14 U
Acenaphthylene	208-96-8	100	107	100	mg/kg	<0.14 U	<0.14 U	NA	<0.15 U	<0.16 U	<0.16 U	0.064 J	<0.16 U	<0.15 U	<0.15 U	<0.14 U
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	100	1000	100	mg/kg	0.038 J	<0.11 U	NA	<0.12 U	<0.12 U	<0.12 U	0.096 J	<0.12 U	<0.11 U	<0.11 U	<0.11 U
Atrazine	1912-24-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	92-87-5	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	**1**	1	1	mg/kg	0.14	0.049 J	NA	<0.12 U	<0.12 U	<0.12 U	0.48	<0.12 U	<0.11 U	0.028 J	<0.11 U
Benzo(a)pyrene	50-32-8	**1**	22	1	mg/kg	0.12 J	0.052 J	NA	<0.15 U	<0.16 U	<0.16 U	0.53	<0.16 U	<0.15 U	<0.15 U	<0.14 U
Benzo(b)fluoranthene	205-99-2	**1**	1.7	1	mg/kg	0.14	0.061 J	NA	<0.12 U	<0.12 U	<0.12 U	0.58	<0.12 U	<0.11 U	0.032 J	<0.11 U
Benzo(g,h,i)Perylene	191-24-2	100	1000	100	mg/kg	0.069 J	0.032 J	NA	<0.15 U	<0.16 U	<0.16 U	0.32	<0.16 U	<0.15 U	<0.15 U	<0.14 U
Benzo(k)fluoranthene	207-08-9	**0.8**	1.7	3.9	mg/kg	0.058 J	<0.11 U	NA	<0.12 U	<0.12 U	<0.12 U	0.23	<0.12 U	<0.11 U	<0.11 U	<0.11 U
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.57 U	<0.59 U	NA	<0.63 U	<0.64 UJ	<0.64 UJ	<0.59 U	<0.64 U	<0.61 U	<0.61 U	<0.59 U
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	<0.4 U	<0.41 U	NA	<0.44 U	<0.45 U	<0.45 U	<0.42 U	<0.45 U	<0.43 U	<0.43 U	<0.41 U
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.19 U	<0.2 U	NA	<0.21 U	<0.21 U	<0.21 U	<0.2 U	<0.21 U	<0.2 U	<0.2 U	<0.2 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<0.16 U	<0.16 U	NA	<0.17 U	<0.18 U	<0.18 U	<0.16 U	<0.18 U	<0.17 U	<0.17 U	<0.16 U
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<0.21 U	<0.22 U	NA	<0.23 U	<0.24 U	<0.24 U	<0.22 U	<0.24 U	<0.22 U	<0.23 U	<0.22 U
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Caprolactam	105-60-2	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	86-74-8	NS	NS	NS	mg/kg	0.019 J	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	0.072 J	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Chrysene	218-01-9	**1**	1	3.9	mg/kg	0.13	0.044 J	NA	<0.12 U	<0.12 U	<0.12 U	0.48	<0.12 U	<0.11 U	0.026 J	<0.11 U
Dibenz(a,h)anthracene	53-70-3	**0.33**	1000	0.33	mg/kg	<0.1 U	<0.11 U	NA	<0.12 U	<0.12 U	<0.12 U	0.083 J	<0.12 U	<0.11 U	<0.11 U	<0.11 U
Dibenzofuran	132-64-9	7	210	59	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	0.037 J	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Dioctyl phthalate	117-84-0	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Fluoranthene	206-44-0	100	1000	100	mg/kg	0.26	0.087 J	NA	<0.12 U	<0.12 U	<0.12 U	1	0.024 J	<0.11 U	<0.11 U	<0.11 U
Fluorene	86-73-7	30	386	100	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	0.029 J	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Hexachlorobenzene	118-74-1	0.33	3.2	1.2	mg/kg	<0.1 U	<0.11 U	NA	<0.12 U	<0.12 U	<0.12 U	<0.11 U	<0.12 U	<0.11 U	<0.11 U	<0.11 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Hexachlorocyclopentadiene	77-47-4	NS	NS	NS	mg/kg	<0.5 U	<0.52 U	NA	<0.55 U	<0.57 UJ	<0.56 UJ	<0.52 UJ	<0.56 U	<0.54 UJ	<0.54 U	<0.52 U
Hexachloroethane	67-72-1	NS	NS	NS	mg/kg	<0.14 U	<0.14 U	NA	<0.15 U	<0.16 U	<0.16 U	<0.15 U	<0.16 U	<0.15 U	<0.15 U	<0.14 U
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	8.2	0.5	mg/kg	0.073 J	0.041 J	NA	<0.15 U	<0.16 U	<0.16 U	0.3	<0.16 U	<0.15 U	<0.15 U	<0.14 U
Isophorone	78-59-1	NS	NS	NS	mg/kg	<0.16 U	<0.16 U	NA	<0.17 U	<0.18 U	<0.18 U	<0.16 U	<0.18 U	<0.17 U	<0.17 U	<0.16 U
Naphthalene	91-20-3	12	12	100	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	0.098 J	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Nitrobenzene	98-95-3	NS	NS	NS	mg/kg	<0.16 U	<0.16 U	NA	<0.17 U	<0.18 U	<0.18 U	<0.16 U	<0.18 U	<0.17 U	<0.17 U	<0.16 U
n-Nitrosodimethylamine	62-75-9	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	NS	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
n-Nitrosodiphenylamine	86-30-6	NS	NS	NS	mg/kg	<0.14 U	<0.14 U	NA	<0.15 U	<0.16 U	<0.16 U	<0.15 U	<0.16 U	<0.15 U	<0.15 U	<0.14 U
Pentachlorophenol	87-86-5	0.8	0.8	6.7	mg/kg	<0.14 U	<0.14 U	NA	<0.15 U	<0.16 U	<0.16 U	<0.15 U	<0.16 U	<0.15 U	<0.15 U	<0.14 U
Phenanthrene	85-01-8	100	1000	100	mg/kg	0.2	0.049 J	NA	<0.12 U	<0.12 U	<0.12 U	0.64	<0.12 U	<0.11 U	<0.11 U	<0.11 U
Phenol	108-95-2	0.33	0.33	100	mg/kg	<0.18 U	<0.18 U	NA	<0.19 U	<0.2 U	<0.2 U	<0.18 U	<0.2 U	<0.19 U	<0.19 U	<0.18 U
Pyrene	129-00-0	100	1000	100	mg/kg	0.22	0.079 J	NA	<0.12 U	<0.12 U	<0.12 U	0.91	0.025 J	<0.11 U	<0.11 U	<0.11 U
Pyridine	110-86-1	NS	NS	NS	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB14	SB14	SB14	SB14	SB15	SB15	SB16	SB16	SB16	SB17	SB17
					Sample Name	SB14_5-7	DUP04_061323	SB-14_5-7	SB14_60-62	SB15_2-4	SB15_5-7	SB16_2-4	SB16_5-7	SB16_58-60	SB17_2-4	SB17_5-7
					Sample Date	06/13/2023	06/13/2023	06/16/2023	06/15/2023	05/30/2023	05/30/2023	06/19/2023	06/19/2023	06/19/2023	06/15/2023	06/15/2023
					Sample Depth	5-7	5-7	5-7	60-62	2-4	5-7	2-4	5-7	58-60	2-4	5-7
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides																
4,4'-DDD	72-54-8	0.0033	14	13	mg/kg	<0.00172 U	<0.00175 U	NA	<0.00188 U	<0.00187 U	<0.00191 U	<0.00174 U	<0.00183 U	<0.00171 U	<0.00175 U	<0.00172 U
4,4'-DDE	72-55-9	0.0033	17	8.9	mg/kg	<0.00172 U	<0.00175 U	NA	<0.00188 U	<0.00187 U	<0.00191 U	<0.00174 U	<0.00183 U	<0.00171 U	<0.00175 U	<0.00172 U
4,4'-DDT	50-29-3	**0.0033**	136	7.9	mg/kg	<0.00172 U	<0.00175 U	NA	<0.00188 U	<0.00187 U	<0.00191 U	<0.00174 U	<0.00183 U	<0.00171 U	<0.00175 U	<0.00172 U
Aldrin	309-00-2	0.005	0.19	0.097	mg/kg	<0.00172 U	<0.00175 U	NA	<0.00188 U	<0.00187 U	<0.00191 U	<0.00174 U	<0.00183 U	<0.00171 U	<0.00175 U	<0.00172 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.02	0.48	mg/kg	<0.000718 U	<0.00073 U	NA	<0.000782 U	<0.000778 U	<0.000796 U	<0.000727 U	<0.000761 U	<0.000714 U	<0.00073 U	<0.000715 U
Alpha Chlordane	5103-71-9	0.094	2.9	4.2	mg/kg	<0.00215 U	<0.00219 U	NA	<0.00234 U	<0.00233 U	<0.00239 U	<0.00218 U	<0.00228 U	<0.00214 U	<0.00219 U	<0.00214 U
Alpha Endosulfan	959-98-8	2.4	102	24	mg/kg	<0.00172 U	<0.00175 U	NA	<0.00188 U	<0.00187 U	<0.00191 U	<0.00174 U	<0.00183 U	<0.00171 U	<0.00175 U	<0.00172 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.09	0.36	mg/kg	<0.00172 U	<0.00175 U	NA	<0.00188 U	<0.00187 U	<0.00191 U	<0.00174 U	<0.00183 U	<0.00171 U	<0.00175 U	<0.00172 U
Beta Endosulfan	33213-65-9	2.4	102	24	mg/kg	<0.00172 U	<0.00175 U	NA	<0.00188 U	<0.00187 U	<0.00191 U	<0.00174 U	<0.00183 U	<0.00171 U	<0.00175 U	<0.00172 U
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	<0.0144 U	<0.0146 U	NA	<0.0156 U	<0.0156 U	<0.0159 U	<0.0145 U	<0.0152 U	<0.0143 U	<0.0146 U	<0.0143 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	0.25	100	mg/kg	<0.00172 U	<0.00175 U	NA	<0.00188 U	<0.00187 U	<0.00191 U	<0.00174 U	<0.00183 U	<0.00171 U	<0.00175 U	<0.00172 U
Dieldrin	60-57-1	0.005	0.1	0.2	mg/kg	<0.00108 U	<0.0011 U	NA	<0.00117 U	<0.00117 U	<0.00119 U	<0.00109 U	<0.00114 U	<0.00107 U	<0.00109 U	<0.00107 U
Endosulfan Sulfate	1031-07-8	2.4	1000	24	mg/kg	<0.000718 U	<0.00073 U	NA	<0.000782 U	<0.000778 U	<0.000796 U	<0.000727 U	<0.000761 U	<0.000714 U	<0.00073 U	<0.000715 U
Endrin	72-20-8	0.014	0.06	11	mg/kg	<0.000718 U	<0.00073 U	NA	<0.000782 U	<0.000778 U	<0.000796 U	<0.000727 U	<0.000761 U	<0.000714 U	<0.00073 U	<0.000715 U
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	<0.00215 U	<0.00219 U	NA	<0.00234 U	<0.00233 U	<0.00239 U	<0.00218 U	<0.00228 U	<0.00214 U	<0.00219 U	<0.00214 U
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	<0.00172 U	<0.00175 U	NA	<0.00188 U	<0.00187 U	<0.00191 U	<0.00174 U	<0.00183 U	<0.00171 U	<0.00175 U	<0.00172 U
Gamma Bhc (Lindane)	58-89-9	0.1	0.1	1.3	mg/kg	<0.000718 U	<0.00073 U	NA	<0.000782 U	<0.000778 U	<0.000796 U	<0.000727 U	<0.000761 U	<0.000714 U	<0.00073 U	<0.000715 U
Gamma Chlordane (Trans)	5103-74-2	NS	NS	NS	mg/kg	<0.00215 U	<0.00219 U	NA	<0.00234 U	<0.00233 U	<0.00239 U	<0.00218 U	<0.00228 U	<0.00214 U	<0.00219 U	<0.00214 U
Heptachlor	76-44-8	0.042	0.38	2.1	mg/kg	<0.000861 U	<0.000876 U	NA	<0.000938 U	<0.000934 U	<0.000955 U	<0.000872 U	<0.000914 U	<0.000856 U	<0.000875 U	<0.000858 U
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	<0.00323 U	<0.00329 U	NA	<0.00352 U	<0.0035 U	<0.00358 U	<0.00327 U	<0.00343 U	<0.00321 U	<0.00328 U	<0.00322 U
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	<0.00323 U	<0.00329 U	NA	<0.00352 U	<0.0035 U	<0.00358 U	<0.00327 U	<0.00343 U	<0.00321 U	<0.00328 U	<0.00322 U
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	<0.0323 U	<0.0329 U	NA	<0.0352 U	<0.035 U	<0.0358 U	<0.0327 U	<0.0343 U	<0.0321 U	<0.0328 U	<0.0322 U
Herbicides																
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	<0.178 U	<0.184 U	NA	<0.193 U	<0.2 U	<0.2 U	<0.181 U	<0.198 U	<0.184 U	<0.188 U	<0.177 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	<0.178 U	<0.184 U	NA	<0.193 U	<0.2 U	<0.2 U	<0.181 U	<0.198 U	<0.184 U	<0.188 U	<0.177 U
Silvex (2,4,5-Tp)	93-72-1	3.8	3.8	100	mg/kg	<0.178 U	<0.184 U	NA	<0.193 U	<0.2 U	<0.2 U	<0.181 U	<0.198 U	<0.184 U	<0.188 U	<0.177 U
Polychlorinated Biphenyl																
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	<0.0528 U	<0.0528 U	NA	<0.0576 U	<0.0562 U	<0.0586 U	<0.0533 U	<0.0547 U	<0.0559 U	<0.0574 U	<0.054 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	<0.0528 U	<0.0528 U	NA	<0.0576 U	<0.0562 U	<0.0586 U	<0.0533 U	<0.0547 U	<0.0559 U	<0.0574 U	<0.054 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	<0.0528 U	<0.0528 U	NA	<0.0576 U	<0.0562 U	<0.0586 U	<0.0533 U	<0.0547 U	<0.0559 U	<0.0574 U	<0.054 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	<0.0528 U	<0.0528 U	NA	<0.0576 U	<0.0562 U	<0.0586 U	<0.0533 U	<0.0547 U	<0.0559 U	<0.0574 U	<0.054 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	<0.0528 U	<0.0528 U	NA	<0.0576 U	<0.0562 U	<0.0586 U	<0.0533 U	<0.0547 U	<0.0559 U	<0.0574 U	<0.054 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	<0.0528 U	<0.0528 U	NA	<0.0576 U	<0.0562 U	<0.0586 U	<0.0533 U	<0.0547 U	<0.0559 U	<0.0574 U	<0.054 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	<0.0528 U	<0.0528 U	NA	<0.0576 U	<0.0562 U	<0.0586 U	<0.0533 U	<0.0547 U	<0.0559 U	<0.0574 U	<0.054 U
PCB-1262 (Aroclor 1262)	37324-23-5	NS	NS	NS	mg/kg	<0.0528 U	<0.0528 U	NA	<0.0576 U	<0.0562 U	<0.0586 U	<0.0533 U	<0.0547 U	<0.0559 U	<0.0574 U	<0.054 U
PCB-1268 (Aroclor 1268)	11100-14-4	NS	NS	NS	mg/kg	<0.0528 U	<0.0528 U	NA	<0.0576 U	<0.0562 U	<0.0586 U	<0.0533 U	<0.0547 U	<0.0559 U	<0.0574 U	<0.054 U
Total PCBs	1336-36-3	0.1	3.2	1	mg/kg	<0.0528 U	<0.0528 U	NA	<0.0576 U	<0.0562 U	<0.0586 U	<0.0533 U	<0.0547 U	<0.0559 U	<0.0574 U	<0.054 U
Metals																
Aluminum	7429-90-5	NS	NS	NS	mg/kg	7,710	8,150	NA	4,140	6,840	5,830	10,200	9,290	2,510	9,380	9,090
Antimony	7440-36-0	NS	NS	NS	mg/kg	1.08 J	1.07 J	NA	0.43 J	0.772 J	0.697 J	0.326 J	<4.59 U	0.622 J	0.93 J	<4.24 U
Arsenic	7440-38-2	**13**	16	16	mg/kg	3.16	3.07	NA	1.25	1.76	1.88	2.96	3.97	0.963	3.24	0.968 J
Barium	7440-39-3	**350**	820	400	mg/kg	40.1	43.7	NA	36.1	12	9.47	60.1	50.2	22.5	41.6	24
Beryllium	7440-41-7	7.2	47	72	mg/kg	0.502	0.56	NA	0.25 J	0.284 J	0.286 J	0.607	0.479	0.195 J	0.375 J	0.231 J
Cadmium	7440-43-9	**2.5**	7.5	4.3	mg/kg	0.206 J	0.221 J	NA	0.292 J	<0.918 U	<0.956 U	0.123 J	0.129 J	<0.893 U	0.214 J	0.088 J
Calcium	7440-70-2	NS	NS	NS	mg/kg	977	1,250	NA	1,150	719	355	1,390	10,100	952	1,070	709
Chromium, Hexavalent	18540-29-9	1	19	110	mg/kg	0.358 J	0.255 J	NA	<0.94 U	0.35 J	0.46 J	0.254 J	<0.958 UJ	0.204 J	0.381 J	0.186 J
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	**16.5**	**15.9**	NA	**20.6**	**14.4**	**10.1**	**20.5**	**15.7**	**9.54**	**17.3**	**12.7**
Chromium, Trivalent	16065-83-1	**30**	NS	180	mg/kg	16.1 J	15.6 J	NA	20.6	14 J	9.64 J	20.2 J	15.7	9.34 J	16.9 J	12.5 J
Cobalt	7440-48-4	NS	NS	NS	mg/kg	5.81	5.85	NA	3.74	4.76	4.46	3.85	4.13	3.4	4.94	3.46
Copper	7440-50-8	**50**	1720	270	mg/kg	17.1	15.8	NA	12.2	11.4	9.73	9.13	9.47	12.4	20.4	6.93
Cyanide	57-12-5	27	40	27	mg/kg	<1 UJ	<1 UJ	NA	<1.1 U	<1.1 U	<1.1 U	<1.1 U	<1.1 U	0.32 J	<1.1 U	<1 UJ
Iron	7439-89-6	NS	NS	NS	mg/kg	15,900	16,500	NA	22,700	10,200	9,450	12,900	13,600	11,000	14,300	7,810
Lead	7439-92-1	**63**	450	400	mg/kg	**69.4**	61.5	NA	3.86 J	8.35	3.52 J	28.1	58.5	2.83 J	42.9	8.5
Magnesium	7439-95-4	NS	NS	NS	mg/kg	1,770	1,900	NA	1,450	2,210	1,590	2,560	1,510	1,380	1,410 J	1,600
Manganese	7439-96-5	1600	2000	2000	mg/kg	287	329	NA	326	180	414	316	293	193	240	93.2 J
Mercury	7439-97-6	**0.18**	0.73	0.81	mg/kg	0.104	0.084 J	NA	<0.088 U	<0.083 U	<0.096 U	**0.333**	0.102	<0.082 U	0.17	<0.078 U
Nickel	7440-02-0	**30**	130	310	mg/kg	19.8	22.1	NA	9.03	11.7	8.69	10.1	8.6	6.77	9.77	10.1
Potassium	7440-09-7	NS	NS	NS	mg/kg	721	605	NA	522	404	417	1,490	438	552	408	516
Selenium	7782-49-2	**3.9**	4	180	mg/kg	<1.71 U	<1.74 U	NA	0.657 J	<1.84 U	<1.91 U	<1.68 U	0.597 J	<1.79 U	0.46 J	0.228 J
Silver	7440-22-4	**2**	8.3	180	mg/kg	<0.427 U	<0.435 U	NA	0.434 J	<0.459 U	<0.478 U	<0.42 U	<0.459 U	<0.446 U	<0.453 U	<0.424 U
Sodium	7440-23-5	NS	NS	NS	mg/kg	<171 U	<174 U	NA	182 J	73.4 J	35.9 J	<168 U	<184 U	188	34 J	31.2 J
Thallium	7440-28-0	NS	NS	NS	mg/kg	<1.71 U	<1.74 U	NA	0.387 J	<1.84 U	<1.91 U	0.403 J	0.438 J	<1.79 U	0.491 J	<1.7 U
Vanadium	7440-62-2	NS	NS	NS	mg/kg	23	24.2	NA	30.5	14.1	12.6	20.6	19.1	16.1	22.1	12.6
Zinc	7440-66-6	**109**	2480	10000	mg/kg	39.7	41.4	NA	19.4	25	21.5	28.6	30.1	12.6	88.8 J	24.5
General Chemistry																
Total Solids	TSOLID	NS	NS	NS	Percent	92.2	90.3	91.6	85.1	82.8	82.6	90.7	83.5	88.3	86.7	91.3

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	SB14	SB14	SB14	SB14	SB15	SB15	SB16	SB16	SB16	SB17	SB17
					Sample Name	SB14_5-7	DUP04_061323	SB-14_5-7	SB14_60-62	SB15_2-4	SB15_5-7	SB16_2-4	SB16_5-7	SB16_58-60	SB17_2-4	SB17_5-7
					Sample Date	06/13/2023	06/13/2023	06/16/2023	06/15/2023	05/30/2023	05/30/2023	06/19/2023	06/19/2023	06/19/2023	06/15/2023	06/15/2023
					Sample Depth	5-7	5-7	5-7	60-62	2-4	5-7	2-4	5-7	58-60	2-4	5-7
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Perfluorooctanoic acids																
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	NS	NS	mg/kg	<0.000715 U	<0.000742 U	NA	<0.000794 U	<0.000796 U	<0.000791 U	<0.000771 U	<0.000781 U	<0.000746 U	<0.000798 U	<0.000786 U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	6HPFHXSA	NS	NS	NS	mg/kg	<0.000715 U	<0.000742 U	NA	<0.000794 U	<0.000796 U	<0.000791 U	<0.000771 U	<0.000781 U	<0.000746 U	<0.000798 U	<0.000786 U
3:3 FTCA	356-02-5	NS	NS	NS	mg/kg	<0.000893 U	<0.000927 U	NA	<0.000992 U	<0.000995 U	<0.000989 U	<0.000964 U	<0.000977 U	<0.000933 U	<0.000998 U	<0.000983 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	NS	NS	mg/kg	<0.000715 U	<0.000742 U	NA	<0.000794 U	<0.000796 U	<0.000791 U	<0.000771 U	<0.000781 U	<0.000746 U	<0.000798 U	<0.000786 U
5:3 FTCA	914637-49-3	NS	NS	NS	mg/kg	<0.00447 U	<0.00464 U	NA	<0.00496 U	<0.00497 U	<0.00494 U	<0.00482 U	<0.00488 U	<0.00466 U	<0.00499 U	<0.00492 U
7:3 FTCA	812-70-4	NS	NS	NS	mg/kg	<0.00447 U	<0.00464 U	NA	<0.00496 U	<0.00497 U	<0.00494 U	<0.00482 U	<0.00488 U	<0.00466 U	<0.00499 U	<0.00492 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	NS	NS	mg/kg	<0.000715 U	<0.000742 U	NA	<0.000794 U	<0.000796 U	<0.000791 U	<0.000771 U	<0.000781 U	<0.000746 U	<0.000798 U	<0.000786 U
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
N-ethylperfluorooctane sulfonamidoe	1691-99-2	NS	NS	NS	mg/kg	<0.00179 U	<0.00185 U	NA	<0.00198 U	<0.00199 U	<0.00198 U	<0.00193 U	<0.00195 U	<0.00186 U	<0.002 U	<0.00197 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
N-methylperfluorooctane sulfonamide	31506-32-8	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	NS	NS	mg/kg	<0.00179 U	<0.00185 U	NA	<0.00198 U	<0.00199 U	<0.00198 U	<0.00193 U	<0.00195 U	<0.00186 U	<0.002 U	<0.00197 U
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	NS	NS	mg/kg	<0.000357 U	<0.000371 U	NA	<0.000397 U	<0.000398 U	<0.000396 U	<0.000386 U	<0.000391 U	<0.000373 U	<0.000399 U	<0.000393 U
Perfluorol(2-ethoxyethane)sulfonic acid	113507-82-7	NS	NS	NS	mg/kg	<0.000357 U	<0.000371 U	NA	<0.000397 U	<0.000398 U	<0.000396 U	<0.000386 U	<0.000391 U	<0.000373 U	<0.000399 U	<0.000393 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	NS	NS	mg/kg	<0.000357 U	<0.000371 U	NA	<0.000397 U	<0.000398 U	<0.000396 U	<0.000386 U	<0.000391 U	<0.000373 U	<0.000399 U	<0.000393 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	NS	NS	mg/kg	<0.000357 U	<0.000371 U	NA	<0.000397 U	<0.000398 U	<0.000396 U	<0.000386 U	<0.000391 U	<0.000373 U	<0.000399 U	<0.000393 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	<0.000715 U	<0.000742 U	NA	<0.000794 U	<0.000796 U	<0.000791 U	<0.000771 U	<0.000781 U	<0.000746 U	<0.000798 U	<0.000786 U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	**0.00088**	0.001	0.044	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	0.000108 J	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.0008	0.033	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	0.000116 J	0.000211	<0.000186 U	0.000144 J	0.000063 J
Perfluoropentanesulfonic Acid	2706-91-4	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	<0.000357 U	<0.000371 U	NA	<0.000397 U	<0.000398 U	<0.000396 U	<0.000386 U	<0.000391 U	<0.000373 U	<0.000399 U	<0.000393 U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	<0.000179 U	<0.000185 U	NA	<0.000198 U	<0.000199 U	<0.000198 U	<0.000193 U	<0.000195 U	<0.000186 U	<0.0002 U	<0.000197 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	<0.000715 U	<0.000742 U	NA	<0.000794 U	<0.000796 U	<0.000791 U	<0.000771 U	<0.000781 U	<0.000746 U	<0.000798 U	<0.000786 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	<0.000715 U	<0.000742 U	NA	<0.000794 U	<0.000796 U	<0.000791 U	<0.000771 U	<0.000781 U	<0.000746 U	<0.000798 U	<0.000786 U
Tetrafluoro-2- (heptafluoropropoxy) propanoic Acid	13252-13-6	NS	NS	NS	mg/kg	<0.000715 U	<0.000742 U	NA	<0.000794 U	<0.000796 U	<0.000791 U	<0.000771 U	<0.000781 U	<0.000746 U	<0.000798 U	<0.000786 U

Table D2
BCP Application
Soil Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP SIte No.: C241279
Langan Project No.: 101015501

Notes:
CAS - Chemical Abstract Service
NS - No standard
mg/kg - milligram per kilogram
NA - Not analyzed
RL - Reporting limit
<RL - Not detected
Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use, Protection of Groundwater, Restricted Use Restricted-Residential, and Restricted Use Commercial Soil Cleanup Objectives (SCO).
Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) Unrestricted Use, Restricted Use Restricted-Residential, and Protection of Groundwater Guidance Values (April 2023).
Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and 4-methylphenol (p-cresol).

Qualifiers:
D - The concentration reported is a result of a diluted sample.

J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:
10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

Table D3
BCP Application
Groundwater Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC SGVs	Location	LMW-1D	LMW-1I	LMW-1S	LMW-2D	LMW-2I	LMW-2S	LMW-3D	LMW-3I	LMW-3S	LMW-4D	LMW-4I	LMW-4S	LMW-5	LMW-6	LMW-6	LMW-7	LMW-8
			Sample Name	LMW-1D_062223	LMW-1I_062123	LMW-1S_062123	LMW-2D_061923	LMW-2I_061923	LMW-2S_062023	LMW-3D_062223	LMW-3I_062223	LMW-3S_062223	LMW-4D_062223	LMW-4I_062223	LMW-4S_062123	LMW-5_062223	LMW-6_062323	DUP05_062323	LMW-7_062023	LMW-8_062023
			Sample Date	06/22/2023	06/21/2023	06/21/2023	06/19/2023	06/19/2023	06/20/2023	06/22/2023	06/22/2023	06/22/2023	06/22/2023	06/22/2023	06/21/2023	06/22/2023	06/23/2023	06/23/2023	06/20/2023	06/20/2023
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																				
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
1,1,1-Trichloroethane	71-55-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	1	ug/l	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<3 U	<1.5 U
1,1-Dichloroethane	75-34-3	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U
1,1-Dichloropropene	563-58-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
1,2,4,5-Tetramethylbenzene	95-93-2	**5**	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	0.63 J	3.1	2.6	**14**	<2 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
1,2,4-Trimethylbenzene	95-63-6	**5**	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	**11**	**15**	**12**	**300**	<2.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<4 U	<2 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
1,2-Dichloroethane	107-06-2	0.6	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<2 U	<1 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**5**	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	4.5	4.2	3.2	**80**	<2.5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
1,3-Dichloropropane	142-28-9	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
1,4-Diethyl Benzene	105-05-5	NS	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	2.3	8.5	6.8	43	<2 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<500 U	<250 U
2,2-Dichloropropane	594-20-7	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
2-Chlorotoluene	95-49-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<10 U	<5 U
4-Chlorotoluene	106-43-4	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
4-Ethyltoluene	622-96-8	NS	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	6.6	8.5	7.3	180	<2 U
Acetone	67-64-1	**50**	ug/l	18 J	5.9	6.2	<5 U	3.7 J	40	<5 U	<5 U	11 J	20 J	12 J	5	16 J	15 J	23 J	<10 U	<5 U
Acrolein	107-02-8	5	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	107-13-1	**5**	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	**13**	<5 U
Benzene	71-43-2	1	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U
Bromobenzene	108-86-1	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Bromochloromethane	74-97-5	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Bromodichloromethane	75-27-4	50	ug/l	1.9	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.61	3.6	3.8	<0.5 U	0.31 J	2	3.5	0.25 J	<0.5 U	0.52	<1 U	<0.5 U
Bromoform	75-25-2	50	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<4 U	<2 U
Bromomethane	74-83-9	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	0.74 J
Carbon Disulfide	75-15-0	60	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<10 U	<5 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	0.2 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.15 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U
Chlorobenzene	108-90-7	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Chloroethane	75-00-3	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Chloroform	67-66-3	**7**	ug/l	**28**	2.1 J	1.8 J	2.8	**14**	**11**	**54**	**52**	5.3	**21**	**28**	**48**	**29**	**17**	**17**	5	0.74 J
Chloromethane	74-87-3	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Cis-1,2-Dichloroethene	156-59-2	**5**	ug/l	<2.5 U	<2.5 U	0.84 J	<2.5 U	0.7 J	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	**5.3**	<2.5 U	<2.5 U	1.8 J	<2.5 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U
Cyclohexane	110-82-7	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene	99-87-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Dibromochloromethane	124-48-1	50	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.18 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U
Dibromomethane	74-95-3	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<10 U	<5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<10 U	<5 U
Diethyl Ether (Ethyl Ether)	60-29-7	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Ethylbenzene	100-41-4	**5**	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	2.4 J	0.78 J	<2.5 U	**44**	<2.5 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Isopropylbenzene (Cumene)	98-82-8	**5**	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	0.79 J	1.2 J	1.1 J	**24**	<2.5 U
M,P-Xylene	179601-23-1	**5**	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	**8**	1.2 J	0.99 J	**85**	<2.5 U
Methyl Acetate	79-20-9	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<10 U	<5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	1.3 J	<5 U	<5 U	<10 U	<5 U
Methylcyclohexane	108-87-2	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	75-09-2	5	ug/l	1.2 J	<2.5 U	1.6 J	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	1 J	0.93 J	0.84 J	<5 U	<2.5 U
Naphthalene	91-20-3	**10**	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	2.5	0.92 J	0.9 J	**21**	<2.5 U
n-Butylbenzene	104-51-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	2.7	1.2 J	2.9 J	<2.5 U
n-Propylbenzene	103-65-1	**5**	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	1 J	2.9	2.5	**39**	<2.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	**5**	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	**11**	<2.5 U	<2.5 U	**22**	<2.5 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sec-Butylbenzene	135-98-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	3 J	<2.5 U
Styrene	100-42-5	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
T-Butylbenzene	98-06-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Tetrachloroethene (PCE)	127-18-4	**5**	ug/l	0.54	<0.5 U	**54**	<0.5 U	**30**	0.62	<0.5 U	<0.5 U	**6.3**	0.31 J	0.44 J	0.93	**8**	0.43 J	0.41 J	**8.4**	**23**
Toluene	108-88-3	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	3.7	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	2.3 J	<2.5 U	<2.5 U	<5 U	<2.5 U
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	ug/l	<2.5 U	<2.5 U	0.84 J	<2.5 U	0.7 J	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	5.3	<2.5 U	<2.5 U	1.8 J	<2.5 U
Total Xylenes	1330-20-7	**5**	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	**19**	1.2 J	0.99 J	**110**	<2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	0.4	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Trichloroethene (TCE)	79-01-6	**5**	ug/l	<0.5 U	<0.5 U	2.2	<0.5 U	2.1	<0.5 U	<0.5 U	<0.5 U	0.81	<0.5 U	<0.5 U	<0.5 U	1.9	<0.5 U	<0.5 U	2.3	4
Trichlorofluoromethane	75-69-4	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U
Vinyl Acetate	108-05-4	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<10 U	<5 U
Vinyl Chloride	75-01-4	2	ug/l	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<2 U	<1 U

Table D3
BCP Application
Groundwater Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC SGVs	Location	LMW-1D	LMW-1I	LMW-1S	LMW-2D	LMW-2I	LMW-2S	LMW-3D	LMW-3I	LMW-3S	LMW-4D	LMW-4I	LMW-4S	LMW-5	LMW-6	LMW-6	LMW-7	LMW-8
			Sample Name	LMW-1D_062223	LMW-1I_062123	LMW-1S_062123	LMW-2D_061923	LMW-2I_061923	LMW-2S_062023	LMW-3D_062223	LMW-3I_062223	LMW-3S_062223	LMW-4D_062223	LMW-4I_062223	LMW-4S_062123	LMW-5_062223	LMW-6_062323	DUP05_062323	LMW-7_062023	LMW-8_062023
			Sample Date	06/22/2023	06/21/2023	06/21/2023	06/19/2023	06/19/2023	06/20/2023	06/22/2023	06/22/2023	06/22/2023	06/22/2023	06/22/2023	06/21/2023	06/22/2023	06/23/2023	06/23/2023	06/20/2023	06/20/2023
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds																				
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/l	NA	NA	<10 UJ	NA	NA	<10 UJ	NA	NA	<10 UJ	NA	NA	<10 UJ	NA	NA	NA	<10 UJ	<10 UJ
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
1,2-Dichlorobenzene	95-50-1	3	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
1,2-Diphenylhydrazine	122-66-7	0	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	3	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
1,4-Dichlorobenzene	106-46-7	3	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	NA	NA	0.21	NA	NA	0.234	NA	NA	0.0654 J	NA	NA	<0.163 U	NA	NA	NA	0.104 J	<0.163 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NS	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
2,4,6-Trichlorophenol	88-06-2	NS	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
2,4-Dichlorophenol	120-83-2	1	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
2,4-Dimethylphenol	105-67-9	1	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
2,4-Dinitrophenol	51-28-5	1	ug/l	NA	NA	<20 UJ	NA	NA	<20 UJ	NA	NA	<20 UJ	NA	NA	<20 UJ	NA	NA	NA	<20 UJ	<20 UJ
2,4-Dinitrotoluene	121-14-2	5	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
2,6-Dinitrotoluene	606-20-2	5	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
2-Chloronaphthalene	91-58-7	10	ug/l	NA	NA	<0.2 U	NA	NA	<0.2 U	NA	NA	<0.2 U	NA	NA	<0.39 U	NA	NA	NA	<0.2 U	<0.2 U
2-Chlorophenol	95-57-8	NS	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
2-Methylnaphthalene	91-57-6	NS	ug/l	NA	NA	0.05 J	NA	NA	0.08 J	NA	NA	<0.1 U	NA	NA	<0.2 U	NA	NA	NA	6.2	0.03 J
2-Methylphenol (o-Cresol)	95-48-7	NS	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
2-Nitroaniline	88-74-4	5	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
2-Nitrophenol	88-75-5	NS	ug/l	NA	NA	<10 UJ	NA	NA	<10 UJ	NA	NA	<10 UJ	NA	NA	<10 UJ	NA	NA	NA	<10 UJ	<10 UJ
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	NS	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
3,3'-Dichlorobenzidine	91-94-1	5	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
3-Nitroaniline	99-09-2	5	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	NS	ug/l	NA	NA	<10 UJ	NA	NA	<10 UJ	NA	NA	<10 UJ	NA	NA	<10 UJ	NA	NA	NA	<10 UJ	<10 UJ
4-Bromophenyl Phenyl Ether	101-55-3	NS	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
4-Chloro-3-Methylphenol	59-50-7	NS	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
4-Chloroaniline	106-47-8	5	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
4-Nitroaniline	100-01-6	5	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
4-Nitrophenol	100-02-7	NS	ug/l	NA	NA	<10 UJ	NA	NA	<10 UJ	NA	NA	<10 UJ	NA	NA	<10 UJ	NA	NA	NA	<10 UJ	<10 UJ
Acenaphthene	83-32-9	20	ug/l	NA	NA	0.02 J	NA	NA	0.02 J	NA	NA	0.02 J	NA	NA	<0.2 U	NA	NA	NA	0.76	<0.1 U
Acenaphthylene	208-96-8	NS	ug/l	NA	NA	<0.1 U	NA	NA	0.01 J	NA	NA	<0.1 U	NA	NA	<0.2 U	NA	NA	NA	0.1 J	<0.1 U
Acetophenone	98-86-2	NS	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
Aniline (Phenylamine, Aminobenzene)	62-53-3	5	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	50	ug/l	NA	NA	<0.1 U	NA	NA	0.03 J	NA	NA	0.02 J	NA	NA	<0.2 U	NA	NA	NA	0.09 J	<0.1 U
Atrazine	1912-24-9	7.5	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	100-52-7	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	92-87-5	5	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	**0.002**	ug/l	NA	NA	**0.05 J**	NA	NA	**0.09 J**	NA	NA	**0.02 J**	NA	NA	<0.2 U	NA	NA	NA	<0.1 U	<0.1 U
Benzo(a)pyrene	50-32-8	**0**	ug/l	NA	NA	**0.05 J**	NA	NA	**0.12**	NA	NA	**0.02 J**	NA	NA	<0.2 U	NA	NA	NA	<0.1 U	<0.1 U
Benzo(b)fluoranthene	205-99-2	**0.002**	ug/l	NA	NA	**0.06 J**	NA	NA	**0.15**	NA	NA	**0.03 J**	NA	NA	<0.2 U	NA	NA	NA	**0.02 J**	**0.01 J**
Benzo(g,h,i)Perylene	191-24-2	NS	ug/l	NA	NA	0.04 J	NA	NA	0.08 J	NA	NA	0.02 J	NA	NA	<0.2 U	NA	NA	NA	0.02 J	<0.1 U
Benzo(k)fluoranthene	207-08-9	**0.002**	ug/l	NA	NA	**0.03 J**	NA	NA	**0.05 J**	NA	NA	**0.02 J**	NA	NA	<0.2 U	NA	NA	NA	**0.02 J**	<0.1 U
Benzoic Acid	65-85-0	NS	ug/l	NA	NA	<50 UJ	NA	NA	<50 UJ	NA	NA	<50 UJ	NA	NA	<50 UJ	NA	NA	NA	<50 UJ	<50 UJ
Benzyl Alcohol	100-51-6	NS	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
Benzyl Butyl Phthalate	85-68-7	50	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
Biphenyl (Diphenyl)	92-52-4	5	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
Bis(2-chloroethoxy) methane	111-91-1	5	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	1	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
Bis(2-chloroisopropyl) ether	108-60-1	5	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
Bis(2-ethylhexyl) phthalate	117-81-7	**5**	ug/l	NA	NA	**30 J**	NA	NA	**12 J**	NA	NA	<3 U	NA	NA	<3.2 U	NA	NA	NA	<3 UJ	<3 U
Caprolactam	105-60-2	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	86-74-8	NS	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
Chrysene	218-01-9	**0.002**	ug/l	NA	NA	**0.05 J**	NA	NA	**0.1**	NA	NA	**0.02 J**	NA	NA	<0.2 U	NA	NA	NA	**0.01 J**	<0.1 U
Dibenz(a,h)anthracene	53-70-3	NS	ug/l	NA	NA	<0.1 U	NA	NA	0.02 J	NA	NA	0.01 J	NA	NA	<0.2 U	NA	NA	NA	<0.1 U	<0.1 U
Dibenzofuran	132-64-9	NS	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
Dibutyl phthalate	84-74-2	50	ug/l	NA	NA	<5 UJ	NA	NA	<5 U	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
Diethyl phthalate	84-66-2	50	ug/l	NA	NA	<5 UJ	NA	NA	0.79 J	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
Dimethyl phthalate	131-11-3	50	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
Dioctyl phthalate	117-84-0	50	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
Fluoranthene	206-44-0	50	ug/l	NA	NA	0.14	NA	NA	0.27	NA	NA	0.04 J	NA	NA	<0.2 U	NA	NA	NA	0.05 J	<0.1 U
Fluorene	86-73-7	50	ug/l	NA	NA	0.03 J	NA	NA	0.03 J	NA	NA	<0.1 U	NA	NA	<0.2 U	NA	NA	NA	0.45	<0.1 U
Hexachlorobenzene	118-74-1	0.04	ug/l	NA	NA	<0.8 U	NA	NA	<0.8 U	NA	NA	<0.8 U	NA	NA	<1.6 U	NA	NA	NA	<0.8 U	<0.8 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	NA	NA	<0.5 U	NA	NA	<0.5 U	NA	NA	<0.5 U	NA	NA	<0.98 U	NA	NA	NA	<0.5 U	<0.5 U
Hexachlorocyclopentadiene	77-47-4	5	ug/l	NA	NA	<20 UJ	NA	NA	<20 UJ	NA	NA	<20 UJ	NA	NA	<20 UJ	NA	NA	NA	<20 UJ	<20 UJ
Hexachloroethane	67-72-1	5	ug/l	NA	NA	<0.8 U	NA	NA	<0.8 U	NA	NA	<0.8 U	NA	NA	<1.6 U	NA	NA	NA	<0.8 U	<0.8 U
Indeno(1,2,3-cd)pyrene	193-39-5	**0.002**	ug/l	NA	NA	**0.04 J**	NA	NA	**0.08 J**	NA	NA	**0.02 J**	NA	NA	<0.2 U	NA	NA	NA	**0.02 J**	<0.1 U
Isophorone	78-59-1	50	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
Naphthalene	91-20-3	**10**	ug/l	NA	NA	<0.1 U	NA	NA	0.07 J	NA	NA	<0.1 U	NA	NA	<0.2 U	NA	NA	NA	**13**	<0.1 U
Nitrobenzene	98-95-3	0.4	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
n-Nitrosodimethylamine	62-75-9	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-N-Propylamine	621-64-7	NS	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
n-Nitrosodiphenylamine	86-30-6	50	ug/l	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	<2 UJ	NA	NA	NA	<2 UJ	<2 UJ
Pentachlorophenol	87-86-5	1	ug/l	NA	NA	0.07 J	NA	NA	0.1 J	NA	NA	0.07 J	NA	NA	0.12 J	NA	NA	NA	0.07 J	<0.8 U
Phenanthrene	85-01-8	50	ug/l	NA	NA	0.13	NA	NA	0.19	NA	NA	<0.1 U	NA	NA	<0.2 U	NA	NA	NA	0.59	<0.1 U
Phenol	108-95-2	**1**	ug/l	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	<5 UJ	NA	NA	NA	<5 UJ	<5 UJ
Pyrene	129-00-0	50	ug/l	NA	NA	0.12	NA	NA	0.21	NA	NA	0.04 J	NA	NA	<0.2 U	NA	NA	NA	0.06 J	<0.1 U
Pyridine	110-86-1	50	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table D3
BCP Application
Groundwater Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC SGVs	Location	LMW-1D	LMW-1I	LMW-1S	LMW-2D	LMW-2I	LMW-2S	LMW-3D	LMW-3I	LMW-3S	LMW-4D	LMW-4I	LMW-4S	LMW-5	LMW-6	LMW-6	LMW-7	LMW-8
			Sample Name	LMW-1D_062223	LMW-1I_062123	LMW-1S_062123	LMW-2D_061923	LMW-2I_061923	LMW-2S_062023	LMW-3D_062223	LMW-3I_062223	LMW-3S_062223	LMW-4D_062223	LMW-4I_062223	LMW-4S_062123	LMW-5_062223	LMW-6_062323	DUP05_062323	LMW-7_062023	LMW-8_062023
			Sample Date	06/22/2023	06/21/2023	06/21/2023	06/19/2023	06/19/2023	06/20/2023	06/22/2023	06/22/2023	06/22/2023	06/22/2023	06/22/2023	06/21/2023	06/22/2023	06/23/2023	06/23/2023	06/20/2023	06/20/2023
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides																				
4,4'-DDD	72-54-8	0.3	ug/l	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 UJ	NA	NA	NA	<0.029 U	<0.029 U
4,4'-DDE	72-55-9	0.2	ug/l	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 UJ	NA	NA	NA	<0.029 U	<0.029 U
4,4'-DDT	50-29-3	0.2	ug/l	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 UJ	NA	NA	NA	<0.029 U	<0.029 U
Aldrin	309-00-2	0	ug/l	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 UJ	NA	NA	NA	<0.014 U	<0.014 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.01	ug/l	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 UJ	NA	NA	NA	<0.014 U	<0.014 U
Alpha Chlordane	5103-71-9	NS	ug/l	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 UJ	NA	NA	NA	<0.014 U	<0.014 U
Alpha Endosulfan	959-98-8	NS	ug/l	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 UJ	NA	NA	NA	<0.014 U	<0.014 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.04	ug/l	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 UJ	NA	NA	NA	<0.014 U	<0.014 U
Beta Endosulfan	33213-65-9	NS	ug/l	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 UJ	NA	NA	NA	<0.029 U	<0.029 U
Chlordane (alpha and gamma)	57-74-9	0.05	ug/l	NA	NA	<0.143 U	NA	NA	<0.143 U	NA	NA	<0.143 U	NA	NA	<0.143 UJ	NA	NA	NA	<0.143 U	<0.143 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	ug/l	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 UJ	NA	NA	NA	<0.014 U	<0.014 U
Dieldrin	60-57-1	0.004	ug/l	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 UJ	NA	NA	NA	<0.029 U	<0.029 U
Endosulfan Sulfate	1031-07-8	NS	ug/l	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 UJ	NA	NA	NA	<0.029 U	<0.029 U
Endrin	72-20-8	0	ug/l	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 UJ	NA	NA	NA	<0.029 U	<0.029 U
Endrin Aldehyde	7421-93-4	5	ug/l	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 UJ	NA	NA	NA	<0.029 U	<0.029 U
Endrin Ketone	53494-70-5	5	ug/l	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 U	NA	NA	<0.029 UJ	NA	NA	NA	<0.029 U	<0.029 U
Gamma Bhc (Lindane)	58-89-9	0.05	ug/l	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 UJ	NA	NA	NA	<0.014 U	<0.014 U
Gamma Chlordane (Trans)	5103-74-2	NS	ug/l	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 UJ	NA	NA	NA	<0.014 U	<0.014 U
Heptachlor	76-44-8	0.04	ug/l	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	0.005 J	NA	NA	NA	<0.014 U	<0.014 U
Heptachlor Epoxide	1024-57-3	0.03	ug/l	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 U	NA	NA	<0.014 UJ	NA	NA	NA	<0.014 U	<0.014 U
Methoxychlor	72-43-5	35	ug/l	NA	NA	<0.143 U	NA	NA	<0.143 U	NA	NA	<0.143 U	NA	NA	<0.143 UJ	NA	NA	NA	<0.143 U	<0.143 U
Toxaphene	8001-35-2	0.06	ug/l	NA	NA	<0.143 U	NA	NA	<0.143 U	NA	NA	<0.143 U	NA	NA	<0.143 UJ	NA	NA	NA	<0.143 U	<0.143 U
Herbicides																				
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	35	ug/l	NA	NA	<2 U	NA	NA	<2 U	NA	NA	<2 U	NA	NA	<2 UJ	NA	NA	NA	<2 U	<2 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	50	ug/l	NA	NA	<10 U	NA	NA	<10 U	NA	NA	<10 U	NA	NA	<10 UJ	NA	NA	NA	<10 U	<10 U
Silvex (2,4,5-Tp)	93-72-1	0.26	ug/l	NA	NA	<2 U	NA	NA	<2 U	NA	NA	<2 U	NA	NA	<2 UJ	NA	NA	NA	<2 U	<2 U
Polychlorinated Biphenyl																				
PCB-1016 (Aroclor 1016)	12674-11-2	NS	ug/l	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	NA	<0.071 U	<0.071 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	ug/l	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	NA	<0.071 U	<0.071 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	ug/l	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	NA	<0.071 U	<0.071 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	ug/l	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	NA	<0.071 U	<0.071 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	ug/l	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	NA	<0.071 U	<0.071 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	ug/l	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	NA	<0.071 U	<0.071 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	ug/l	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	NA	<0.071 U	<0.071 U
PCB-1262 (Aroclor 1262)	37324-23-5	NS	ug/l	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	NA	<0.071 U	<0.071 U
PCB-1268 (Aroclor 1268)	11100-14-4	NS	ug/l	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	NA	<0.071 U	<0.071 U
Total PCBs	1336-36-3	0.09	ug/l	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	<0.071 U	NA	NA	NA	<0.071 U	<0.071 U
Metals - Dissolved																				
Aluminum	7429-90-5	NS	ug/l	NA	NA	56.6	NA	NA	NA	NA	NA	NA	NA	NA	931	NA	NA	NA	NA	NA
Antimony	7440-36-0	**3**	ug/l	NA	NA	**7.91**	NA	NA	NA	NA	NA	NA	NA	NA	<20 U	NA	NA	NA	NA	NA
Arsenic	7440-38-2	25	ug/l	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	1.43 J	NA	NA	NA	NA	NA
Barium	7440-39-3	1000	ug/l	NA	NA	54.96	NA	NA	NA	NA	NA	NA	NA	NA	18.73	NA	NA	NA	NA	NA
Beryllium	7440-41-7	3	ug/l	NA	NA	<0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.5 U	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	ug/l	NA	NA	<0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	<1 U	NA	NA	NA	NA	NA
Calcium	7440-70-2	NS	ug/l	NA	NA	41,400	NA	NA	NA	NA	NA	NA	NA	NA	7,020	NA	NA	NA	NA	NA
Chromium, Total	7440-47-3	50	ug/l	NA	NA	0.31 J	NA	NA	NA	NA	NA	NA	NA	NA	1.02 J	NA	NA	NA	NA	NA
Cobalt	7440-48-4	NS	ug/l	NA	NA	0.79	NA	NA	NA	NA	NA	NA	NA	NA	<2.5 U	NA	NA	NA	NA	NA
Copper	7440-50-8	200	ug/l	NA	NA	1.39	NA	NA	NA	NA	NA	NA	NA	NA	2.75 J	NA	NA	NA	NA	NA
Iron	7439-89-6	**300**	ug/l	NA	**58,600 J**	90.8	NA	NA	NA	NA	NA	NA	NA	NA	**851**	NA	NA	NA	NA	NA
Lead	7439-92-1	25	ug/l	NA	NA	<1 U	NA	NA	NA	NA	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA
Magnesium	7439-95-4	35000	ug/l	NA	NA	7,990	NA	NA	NA	NA	NA	NA	NA	NA	2,360	NA	NA	NA	NA	NA
Manganese	7439-96-5	**300**	ug/l	NA	**415.6 J**	**329.6**	NA	NA	NA	NA	NA	NA	NA	NA	222.7	NA	NA	NA	NA	NA
Mercury	7439-97-6	0.7	ug/l	NA	NA	NA	NA	NA	<0.2 U	NA	NA	NA	NA	NA	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U
Nickel	7440-02-0	100	ug/l	NA	NA	6.04	NA	NA	NA	NA	NA	NA	NA	NA	<10 U	NA	NA	NA	NA	NA
Potassium	7440-09-7	NS	ug/l	NA	NA	6,470	NA	NA	NA	NA	NA	NA	NA	NA	2,870	NA	NA	NA	NA	NA
Selenium	7782-49-2	10	ug/l	NA	NA	6.83	NA	NA	NA	NA	NA	NA	NA	NA	<25 U	NA	NA	NA	NA	NA
Silver	7440-22-4	50	ug/l	NA	NA	<0.4 U	NA	NA	NA	NA	NA	NA	NA	NA	<2 U	NA	NA	NA	NA	NA
Sodium	7440-23-5	**20000**	ug/l	NA	NA	**131,000**	NA	NA	NA	NA	NA	NA	NA	NA	**129,000**	NA	NA	NA	NA	NA
Thallium	7440-28-0	0.5	ug/l	NA	NA	<1 U	NA	NA	NA	NA	NA	NA	NA	NA	<5 U	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	ug/l	NA	NA	<5 U	NA	NA	NA	NA	NA	NA	NA	NA	<25 U	NA	NA	NA	NA	NA
Zinc	7440-66-6	2000	ug/l	NA	NA	3.66 J	NA	NA	NA	NA	NA	NA	NA	NA	<50 U	NA	NA	NA	NA	NA
Metals - Total																				
Aluminum	7429-90-5	NS	ug/l	NA	NA	NA	NA	NA	2,660	NA	NA	4,970	NA	NA	NA	NA	NA	NA	62.8	1,330
Antimony	7440-36-0	3	ug/l	NA	NA	NA	NA	NA	2.69 J	NA	NA	0.46 J	NA	NA	NA	NA	NA	NA	<4 U	<4 U
Arsenic	7440-38-2	25	ug/l	NA	NA	NA	NA	NA	1.75	NA	NA	3.02	NA	NA	NA	NA	NA	NA	0.34 J	0.33 J
Barium	7440-39-3	1000	ug/l	NA	NA	NA	NA	NA	75.88	NA	NA	116	NA	NA	NA	NA	NA	NA	144.9	108.4
Beryllium	7440-41-7	3	ug/l	NA	NA	NA	NA	NA	0.41 J	NA	NA	0.91	NA	NA	NA	NA	NA	NA	<0.5 U	0.12 J
Cadmium	7440-43-9	5	ug/l	NA	NA	NA	NA	NA	0.22	NA	NA	0.12 J	NA	NA	NA	NA	NA	NA	<0.2 U	0.13 J
Calcium	7440-70-2	NS	ug/l	NA	NA	NA	NA	NA	81,800	NA	NA	48,000	NA	NA	NA	NA	NA	NA	57,800	48,700
Chromium, Hexavalent	18540-29-9	50	ug/l	NA	NA	<10 U	NA	NA	<10 U	NA	NA	<10 U	NA	NA	<10 U	NA	NA	NA	<10 U	<10 U
Chromium, Total	7440-47-3	NS	ug/l	NA	NA	NA	NA	NA	17.52	NA	NA	22.71	NA	NA	NA	NA	NA	NA	0.67 J	6.63
Chromium, Trivalent	16065-83-1	NS	ug/l	NA	NA	53	NA	NA	17	NA	NA	22	NA	NA	<10 U	NA	NA	NA	<10 U	<10 U
Cobalt	7440-48-4	NS	ug/l	NA	NA	NA	NA	NA	4.31	NA	NA	5.79	NA	NA	NA	NA	NA	NA	1.23	6.71
Copper	7440-50-8	200	ug/l	NA	NA	NA	NA	NA	147	NA	NA	22.49	NA	NA	NA	NA	NA	NA	2.03	7.4
Cyanide	57-12-5	200	ug/l	NA	NA	<5 U	NA	NA	<5 U	NA	NA	<5 U	NA	NA	<5 U	NA	NA	NA	<5 U	<5 U
Hardness, Total	HARD	NS	ug/l	NA	205,600	278,700	NA	NA	NA	NA	NA	NA	NA	64,180	NA	NA	NA	NA	NA	NA
Iron	7439-89-6	**300**	ug/l	NA	NA	NA	NA	NA	**4,290**	NA	NA	**11,900**	NA	**5,350**	NA	NA	NA	NA	**5,400**	**4,720**
Lead	7439-92-1	**25**	ug/l	NA	NA	NA	NA	NA	19.38	NA	NA	21.59	NA	NA	NA	NA	NA	NA	0.47 J	2.13
Magnesium	7439-95-4	35000	ug/l	NA	NA	NA	NA	NA	21,200	NA	NA	21,500	NA	NA	NA	NA	NA	NA	17,300	18,800
Manganese	7439-96-5	**300**	ug/l	NA	NA	NA	NA	NA	225	NA	NA	**1,592**	NA	185.6	NA	NA	NA	NA	**2,620**	**8,334**
Mercury	7439-97-6	0.7	ug/l	NA	NA	<1 U	NA	NA	NA	NA	NA	<0.2 U	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	ug/l	NA	NA	NA	NA	NA	10.9	NA	NA	18.38	NA	NA	NA	NA	NA	NA	1.68 J	11.62
Potassium	7440-09-7	NS	ug/l	NA	NA	NA	NA	NA	7,870	NA	NA	5,590	NA	NA	NA	NA	NA	NA	8,870	4,860
Selenium	7782-49-2	**10**	ug/l	NA	NA	NA	NA	NA	3.58 J	NA	NA	**10.5**	NA	NA	NA	NA	NA	NA	<5 U	4.99 J
Silver	7440-22-4	50	ug/l	NA	NA	NA	NA	NA	0.18 J	NA	NA	1.54	NA	NA	NA	NA	NA	NA	<0.4 U	<0.4 U
Sodium	7440-23-5	**20000**	ug/l	NA	NA	NA	NA	NA	**106,000**	NA	NA	**117,000**	NA	NA	NA	NA	NA	NA	**45,900**	**31,900**
Thallium	7440-28-0	0.5	ug/l	NA	NA	NA	NA	NA	<1 U	NA	NA	0.26 J	NA	NA	NA	NA	NA	NA	<1 U	<1 U
Vanadium	7440-62-2	NS	ug/l	NA	NA	NA	NA	NA	5.54	NA	NA	7.97	NA	NA	NA	NA	NA	NA	<5 U	4.87 J
Zinc	7440-66-6	2000	ug/l	NA	NA	NA	NA	NA	224.4	NA	NA	47.31	NA	NA	NA	NA	NA	NA	3.89 J	9.51 J

Table D3
BCP Application
Groundwater Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC SGVs	Location	LMW-1D	LMW-1I	LMW-1S	LMW-2D	LMW-2I	LMW-2S	LMW-3D	LMW-3I	LMW-3S	LMW-4D	LMW-4I	LMW-4S	LMW-5	LMW-6	LMW-6	LMW-7	LMW-8
			Sample Name	LMW-1D_062223	LMW-1I_062123	LMW-1S_062123	LMW-2D_061923	LMW-2I_061923	LMW-2S_062023	LMW-3D_062223	LMW-3I_062223	LMW-3S_062223	LMW-4D_062223	LMW-4I_062223	LMW-4S_062123	LMW-5_062223	LMW-6_062323	DUP05_062323	LMW-7_062023	LMW-8_062023
			Sample Date	06/22/2023	06/21/2023	06/21/2023	06/19/2023	06/19/2023	06/20/2023	06/22/2023	06/22/2023	06/22/2023	06/22/2023	06/22/2023	06/21/2023	06/22/2023	06/23/2023	06/23/2023	06/20/2023	06/20/2023
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
General Chemistry																				
Alkalinity, Total (As CaCO3)	ALK	NS	ug/l	NA	170,000	237,000	NA	NA	NA	NA	NA	NA	NA	194,000	NA	NA	NA	NA	NA	NA
Biologic Oxygen Demand, Five Day	BOD5	NS	ug/l	NA	<4,000 U	<2,000 U	NA	NA	NA	NA	NA	NA	NA	12,000	NA	NA	NA	NA	NA	NA
COD-Chemical Oxygen Demand	COD	NS	ug/l	NA	73,000	120,000	NA	NA	NA	NA	NA	NA	NA	360,000	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia (As N)	7664-41-7	2000	ug/l	NA	160 J	<375 U	NA	NA	NA	NA	NA	NA	NA	641	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate-Nitrite	NO3NO2N	10000	ug/l	NA	5,600	5,400	NA	NA	NA	NA	NA	NA	NA	3,000	NA	NA	NA	NA	NA	NA
Phosphorus	7723-14-0	NS	ug/l	NA	205	77	NA	NA	NA	NA	NA	NA	NA	306	NA	NA	NA	NA	NA	NA
Sulfate (As SO4)	14808-79-8	250000	ug/l	NA	46,000	57,000	NA	NA	NA	NA	NA	NA	NA	57,000	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	50	ug/l	NA	<100 U	<100 U	NA	NA	NA	NA	NA	NA	NA	<100 U	NA	NA	NA	NA	NA	NA
Total Organic Carbon	TOC	NS	ug/l	NA	1,900	17,000	NA	NA	NA	NA	NA	NA	NA	17,000	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acids																				
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	ug/l	NA	NA	<0.00893 U	NA	NA	<0.00633 U	NA	NA	<1.28 U	NA	NA	<0.00766 U	NA	NA	NA	<0.0061 U	<0.00634 U
1h,1h,2h,2h-Perfluorohexanesulfonic Acid (4:2)	757124-72-4	NS	ug/l	NA	NA	<0.00886 UJ	NA	NA	NA	NA	NA	NA	NA	NA	<0.0076 U	NA	NA	NA	NA	NA
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	6HPFHXSA	NS	ug/l	NA	NA	NA	NA	NA	<0.00633 UJ	NA	NA	<1.28 U	NA	NA	NA	NA	NA	NA	<0.0061 UJ	<0.00634 U
3:3 FTCA	356-02-5	NS	ug/l	NA	NA	<0.00591 U	NA	NA	<0.00791 U	NA	NA	<1.6 U	NA	NA	<0.00507 U	NA	NA	NA	<0.00762 U	<0.00793 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	ug/l	NA	NA	<0.00893 U	NA	NA	<0.00633 U	NA	NA	<1.28 U	NA	NA	<0.00766 U	NA	NA	NA	<0.0061 U	<0.00634 U
5:3 FTCA	914637-49-3	NS	ug/l	NA	NA	<0.0295 U	NA	NA	<0.0396 U	NA	NA	<8 U	NA	NA	<0.0253 U	NA	NA	NA	<0.0381 U	<0.0396 U
7:3 FTCA	812-70-4	NS	ug/l	NA	NA	<0.0295 UJ	NA	NA	<0.0396 U	NA	NA	<8 U	NA	NA	0.0222 J	NA	NA	NA	<0.0381 U	<0.0396 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	ug/l	NA	NA	<0.00884 U	NA	NA	<0.00633 U	NA	NA	<1.28 U	NA	NA	<0.00758 U	NA	NA	NA	<0.0061 U	<0.00634 U
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	ug/l	NA	NA	<0.00236 U	NA	NA	<0.00158 UJ	NA	NA	<0.32 U	NA	NA	<0.00203 U	NA	NA	NA	<0.00152 U	<0.00159 U
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	ug/l	NA	NA	<0.00236 U	NA	NA	<0.00158 UJ	NA	NA	<0.32 U	NA	NA	<0.00203 U	NA	NA	NA	<0.00152 U	<0.00159 U
N-ethylperfluorooctane sulfonamidoe	1691-99-2	NS	ug/l	NA	NA	<0.0236 UJ	NA	NA	<0.0158 U	NA	NA	<3.2 U	NA	NA	<0.0203 UJ	NA	NA	NA	<0.0152 U	<0.0159 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	ug/l	NA	NA	<0.00236 U	NA	NA	<0.00158 UJ	NA	NA	<0.32 U	NA	NA	<0.00203 U	NA	NA	NA	<0.00152 U	<0.00159 U
N-methylperfluorooctane sulfonamide	31506-32-8	NS	ug/l	NA	NA	<0.00236 U	NA	NA	<0.00158 UJ	NA	NA	<0.32 U	NA	NA	<0.00203 U	NA	NA	NA	<0.00152 U	<0.00159 U
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	ug/l	NA	NA	<0.0236 UJ	NA	NA	<0.0158 U	NA	NA	<3.2 U	NA	NA	<0.0203 U	NA	NA	NA	<0.0152 U	<0.0159 U
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	ug/l	NA	NA	<0.00473 U	NA	NA	<0.00316 U	NA	NA	<0.64 U	NA	NA	<0.00406 U	NA	NA	NA	<0.00305 U	<0.00317 U
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	ug/l	NA	NA	<0.00421 U	NA	NA	<0.00316 U	NA	NA	<0.64 U	NA	NA	<0.00361 U	NA	NA	NA	<0.00305 U	<0.00317 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	ug/l	NA	NA	<0.00473 U	NA	NA	<0.00316 U	NA	NA	<0.64 U	NA	NA	<0.00406 U	NA	NA	NA	<0.00305 U	<0.00317 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	ug/l	NA	NA	<0.00473 U	NA	NA	<0.00316 U	NA	NA	<0.64 U	NA	NA	<0.00406 U	NA	NA	NA	<0.00305 U	<0.00317 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	ug/l	NA	NA	0.0066	NA	NA	0.00435	NA	NA	<0.32 U	NA	NA	0.00581	NA	NA	NA	0.00435	0.0128
Perfluorobutanoic acid (PFBA)	375-22-4	NS	ug/l	NA	NA	0.00588 J	NA	NA	0.00633	NA	NA	<1.28 U	NA	NA	0.00938 J	NA	NA	NA	0.00465 J	0.0151
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	ug/l	NA	NA	<0.00228 U	NA	NA	<0.00158 U	NA	NA	<0.32 U	NA	NA	<0.00196 U	NA	NA	NA	<0.00152 U	<0.00159 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	ug/l	NA	NA	<0.00236 U	NA	NA	0.00759	NA	NA	<0.32 U	NA	NA	<0.00203 U	NA	NA	NA	<0.00152 U	<0.00159 U
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	ug/l	NA	NA	<0.00229 U	NA	NA	<0.00158 U	NA	NA	<0.32 U	NA	NA	<0.00197 U	NA	NA	NA	<0.00152 U	<0.00159 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	ug/l	NA	NA	<0.00236 U	NA	NA	0.00229 J	NA	NA	<0.32 U	NA	NA	<0.00203 U	NA	NA	NA	<0.00152 U	<0.00159 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	ug/l	NA	NA	<0.00226 U	NA	NA	<0.00158 U	NA	NA	<0.32 U	NA	NA	<0.00194 U	NA	NA	NA	<0.00152 U	<0.00159 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	ug/l	NA	NA	0.00621	NA	NA	0.00965	NA	NA	<0.32 U	NA	NA	0.0141	NA	NA	NA	0.00442	0.0136
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	ug/l	NA	NA	0.00186 J	NA	NA	0.00253	NA	NA	<0.32 U	NA	NA	0.00132 J	NA	NA	NA	0.00412	0.00626
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	ug/l	NA	NA	0.00481	NA	NA	0.012	NA	NA	<0.32 U	NA	NA	0.0079	NA	NA	NA	0.00968	0.0265
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	ug/l	NA	NA	<0.00227 U	NA	NA	<0.00158 U	NA	NA	<0.32 U	NA	NA	<0.00195 U	NA	NA	NA	<0.00152 U	<0.00159 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	ug/l	NA	NA	0.00384	NA	NA	0.00142 J	NA	NA	<0.32 U	NA	NA	<0.00203 U	NA	NA	NA	<0.00152 U	<0.00159 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	ug/l	NA	NA	<0.00236 U	NA	NA	<0.00158 U	NA	NA	<0.32 U	NA	NA	<0.00203 U	NA	NA	NA	<0.00152 U	<0.00159 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	**0.0027**	ug/l	NA	NA	**0.00599**	NA	NA	0.00158	NA	NA	<0.32 U	NA	NA	<0.00189 U	NA	NA	NA	0.0013 J	<0.00159 U
Perfluorooctanoic Acid (PFOA)	335-67-1	**0.0067**	ug/l	NA	NA	**0.0133**	NA	NA	**0.0263**	NA	NA	<0.32 U	NA	NA	**0.00767**	NA	NA	NA	**0.0211**	**0.0533**
Perfluoropentanesulfonic Acid	2706-91-4	NS	ug/l	NA	NA	<0.00222 U	NA	NA	0.000396 J	NA	NA	<0.32 U	NA	NA	<0.00191 U	NA	NA	NA	0.000458 J	0.000714 J
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	ug/l	NA	NA	0.00648	NA	NA	0.00752	NA	NA	<0.64 U	NA	NA	0.00573	NA	NA	NA	0.00961	0.0332
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	ug/l	NA	NA	<0.00236 U	NA	NA	0.000475 J	NA	NA	<0.32 U	NA	NA	<0.00203 U	NA	NA	NA	<0.00152 U	<0.00159 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	ug/l	NA	NA	<0.00236 U	NA	NA	<0.00158 U	NA	NA	<0.32 U	NA	NA	<0.00203 U	NA	NA	NA	<0.00152 U	<0.00159 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	ug/l	NA	NA	<0.00236 U	NA	NA	0.000712 J	NA	NA	<0.32 U	NA	NA	<0.00203 U	NA	NA	NA	<0.00152 U	<0.00159 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	ug/l	NA	NA	<0.00907 U	NA	NA	0.0884	NA	NA	<1.28 U	NA	NA	<0.00779 U	NA	NA	NA	<0.0061 U	<0.00634 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	ug/l	NA	NA	0.00147 J	NA	NA	0.00475 J	NA	NA	<1.28 U	NA	NA	0.003 J	NA	NA	NA	<0.0061 U	<0.00634 U
Tetrafluoro-2- (heptafluoropropoxy) propanoic Acid	13252-13-6	NS	ug/l	NA	NA	<0.00945 U	NA	NA	<0.00633 U	NA	NA	<1.28 U	NA	NA	<0.00811 U	NA	NA	NA	<0.0061 U	<0.00634 U

Table D3
BCP Application
Groundwater Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC SGVs	Location	SB04	SB06	SB07	SB10	SB10	SB11
			Sample Name	TMW04_082922	TMW06_082922	TWP07_20221028	TWP10_20221028	TWP_DUP	TWP11_20221027
			Sample Date	08/29/2022	08/29/2022	10/28/2022	10/28/2022	10/28/2022	10/27/2022
			Unit	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
1,1,1-Trichloroethane	71-55-6	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.5 U	<0.5 U	<1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.2 U	<0.2 U	NA	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.2 UJ	<0.2 UJ	<1.5 U	<1.5 U	<1.5 U	<3 U
1,1-Dichloroethane	75-34-3	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.5 U	<0.5 U	<1 U
1,1-Dichloropropene	563-58-6	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.2 UJ	<0.2 UJ	<2.5 U	<2.5 U	<2.5 U	<5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
1,2,4,5-Tetramethylbenzene	95-93-2	**5**	ug/l	NA	NA	<2 U	1.1 J	1.1 J	<4 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
1,2,4-Trimethylbenzene	95-63-6	**5**	ug/l	<0.2 U	<0.2 U	<2.5 U	0.92 J	1.2 J	<5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.2 UJ	<0.2 UJ	<2 U	<2 U	<2 U	<4 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
1,2-Dichloroethane	107-06-2	0.6	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.5 U	<0.5 U	<1 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.2 U	<0.2 U	<1 U	<1 U	<1 U	<2 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**5**	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
1,3-Dichloropropane	142-28-9	5	ug/l	<0.2 UJ	<0.2 UJ	<2.5 U	<2.5 U	<2.5 U	<5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
1,4-Diethyl Benzene	105-05-5	NS	ug/l	NA	NA	<2 U	<2 U	<2 U	<4 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<40 U	<40 U	<250 U	<250 U	<250 U	<500 U
2,2-Dichloropropane	594-20-7	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
2-Chlorotoluene	95-49-8	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.2 U	<0.2 U	<5 U	<5 U	<5 U	<10 U
4-Chlorotoluene	106-43-4	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
4-Ethyltoluene	622-96-8	NS	ug/l	NA	NA	<2 U	<2 U	<2 U	<4 U
Acetone	67-64-1	**50**	ug/l	7.51 J	9.74 J	10	12	7.6	**73**
Acrolein	107-02-8	5	ug/l	<0.2 U	<0.2 U	NA	NA	NA	NA
Acrylonitrile	107-13-1	**5**	ug/l	<0.2 U	<0.2 U	<5 U	<5 U	<5 U	<10 U
Benzene	71-43-2	1	ug/l	<0.2 U	<0.2 U	0.2 J	0.23 J	0.18 J	<1 U
Bromobenzene	108-86-1	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
Bromochloromethane	74-97-5	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.5 U	0.32 J	0.85 J
Bromoform	75-25-2	50	ug/l	<0.2 U	<0.2 UJ	<2 U	<2 U	<2 U	<4 U
Bromomethane	74-83-9	5	ug/l	<0.2 U	<0.2 UJ	<2.5 U	<2.5 U	<2.5 U	<5 U
Carbon Disulfide	75-15-0	60	ug/l	<0.2 U	0.24 J	<5 U	<5 U	<5 U	<10 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.5 U	<0.5 U	<1 U
Chlorobenzene	108-90-7	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
Chloroethane	75-00-3	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
Chloroform	67-66-3	**7**	ug/l	0.32 J	<0.2 U	**22**	**33**	**38**	**14**
Chloromethane	74-87-3	5	ug/l	<0.2 U	0.37 J	<2.5 U	<2.5 U	<2.5 U	<5 U
Cis-1,2-Dichloroethene	156-59-2	**5**	ug/l	**26**	0.92	0.98 J	<2.5 U	<2.5 U	3.4 J
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.5 U	<0.5 U	<1 U
Cyclohexane	110-82-7	NS	ug/l	<0.2 UJ	<0.2 UJ	NA	NA	NA	NA
Cymene	99-87-6	5	ug/l	NA	NA	<2.5 U	<2.5 U	<2.5 U	<5 U
Dibromochloromethane	124-48-1	50	ug/l	<0.2 U	<0.2 UJ	<0.5 U	<0.5 U	<0.5 U	<1 U
Dibromomethane	74-95-3	5	ug/l	<0.2 U	<0.2 U	<5 U	<5 U	<5 U	<10 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.2 U	<0.2 U	<5 U	<5 U	<5 U	<10 U
Diethyl Ether (Ethyl Ether)	60-29-7	NS	ug/l	NA	NA	<2.5 U	<2.5 U	<2.5 U	<5 U
Ethylbenzene	100-41-4	**5**	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
Isopropylbenzene (Cumene)	98-82-8	**5**	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
M,P-Xylene	179601-23-1	**5**	ug/l	<0.5 U	<0.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U
Methyl Acetate	79-20-9	NS	ug/l	<0.2 U	<0.2 U	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.2 U	1.99 J	<5 U	<5 U	<5 U	<10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.2 U	<0.2 U	<5 U	<5 U	<5 U	<10 U
Methylcyclohexane	108-87-2	NS	ug/l	<0.2 U	<0.2 U	NA	NA	NA	NA
Methylene Chloride	75-09-2	5	ug/l	<1 U	<1 U	1.2 J	<2.5 U	<2.5 U	<5 U
Naphthalene	91-20-3	**10**	ug/l	NA	NA	<2.5 U	<2.5 U	<2.5 U	**14**
n-Butylbenzene	104-51-8	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
n-Propylbenzene	103-65-1	**5**	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	**5**	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	<0.2 U	<0.2 U	NA	NA	NA	NA
Sec-Butylbenzene	135-98-8	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
Styrene	100-42-5	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
T-Butylbenzene	98-06-6	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<0.5 U	<2.02 U	NA	NA	NA	NA
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<0.2 U	<0.2 UJ	<2.5 U	<2.5 U	<2.5 U	<5 U
Tetrachloroethene (PCE)	127-18-4	**5**	ug/l	**53.2**	**17.3**	3.8	**7.5 J**	4.9 J	**260**
Toluene	108-88-3	5	ug/l	<0.2 U	0.36 J	<2.5 U	<2.5 U	<2.5 U	1.4 J
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	ug/l	NA	NA	0.98 J	<2.5 U	<2.5 U	3.4 J
Total Xylenes	1330-20-7	**5**	ug/l	<0.6 U	<0.6 U	<2.5 U	<2.5 U	<2.5 U	<5 U
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	0.4	ug/l	NA	NA	<0.5 U	<0.5 U	<0.5 U	<1 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	1.09	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.2 U	<0.2 UJ	<0.5 U	<0.5 U	<0.5 U	<1 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	NA	NA	<2.5 U	<2.5 U	<2.5 U	<5 U
Trichloroethene (TCE)	79-01-6	**5**	ug/l	**84**	**39.3**	2.5	0.47 J	0.29 J	**9.6**
Trichlorofluoromethane	75-69-4	5	ug/l	<0.2 U	<0.2 U	<2.5 U	<2.5 U	<2.5 U	<5 U
Vinyl Acetate	108-05-4	NS	ug/l	<0.2 U	<0.2 U	<5 U	<5 U	<5 U	<10 U
Vinyl Chloride	75-01-4	2	ug/l	<0.2 U	<0.2 U	<1 U	<1 U	<1 U	<2 U

Table D3
BCP Application
Groundwater Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC SGVs	Location	SB04	SB06	SB07	SB10	SB10	SB11
			Sample Name	TMW04_082922	TMW06_082922	TWP07_20221028	TWP10_20221028	TWP_DUP	TWP11_20221027
			Sample Date	08/29/2022	08/29/2022	10/28/2022	10/28/2022	10/28/2022	10/27/2022
			Unit	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/l	<2.56 U	<2.86 U	<10 U	<13 U	<13 U	<10 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	<2 U
1,2-Diphenylhydrazine	122-66-7	0	ug/l	<2.56 U	<2.86 U	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	3	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	<2 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	<2 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	58-90-2	NS	ug/l	<2.56 U	<2.86 U	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NS	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
2,4,6-Trichlorophenol	88-06-2	NS	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
2,4-Dichlorophenol	120-83-2	1	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
2,4-Dimethylphenol	105-67-9	1	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
2,4-Dinitrophenol	51-28-5	1	ug/l	<2.56 U	<2.86 U	<20 U	<26 U	<26 U	<20 U
2,4-Dinitrotoluene	121-14-2	5	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
2,6-Dinitrotoluene	606-20-2	5	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
2-Chloronaphthalene	91-58-7	10	ug/l	<2.56 U	<2.86 U	<0.2 U	<0.26 U	<0.26 U	<0.2 U
2-Chlorophenol	95-57-8	NS	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	<2 U
2-Methylnaphthalene	91-57-6	NS	ug/l	<2.56 U	<2.86 U	<0.1 U	<0.13 U	<0.13 U	4.4
2-Methylphenol (o-Cresol)	95-48-7	NS	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
2-Nitroaniline	88-74-4	5	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
2-Nitrophenol	88-75-5	NS	ug/l	<2.56 U	<2.86 U	<10 U	<13 U	<13 U	<10 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	NS	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
3,3'-Dichlorobenzidine	91-94-1	5	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
3-Nitroaniline	99-09-2	5	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	ug/l	<2.56 U	<2.86 U	<10 U	<13 U	<13 U	<10 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	<2 U
4-Chloro-3-Methylphenol	59-50-7	NS	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	<2 U
4-Chloroaniline	106-47-8	5	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	<2 U
4-Nitroaniline	100-01-6	5	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
4-Nitrophenol	100-02-7	NS	ug/l	<5.13 U	<5.71 U	<10 U	<13 U	<13 U	<10 U
Acenaphthene	83-32-9	20	ug/l	0.236	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	1.8
Acenaphthylene	208-96-8	NS	ug/l	<0.0513 U	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	<0.1 U
Acetophenone	98-86-2	NS	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	5	ug/l	<2.56 U	<2.86 U	NA	NA	NA	NA
Anthracene	120-12-7	50	ug/l	0.215	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	0.25
Atrazine	1912-24-9	7.5	ug/l	<0.513 U	<0.571 U	NA	NA	NA	NA
Benzaldehyde	100-52-7	NS	ug/l	<2.56 U	<2.86 U	NA	NA	NA	NA
Benzidine	92-87-5	5	ug/l	<5.13 U	<5.71 U	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	**0.002**	ug/l	**0.205**	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	**0.12**
Benzo(a)pyrene	50-32-8	**0**	ug/l	**0.185**	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	**0.09 J**
Benzo(b)fluoranthene	205-99-2	**0.002**	ug/l	**0.164**	<0.0571 U	<0.1 U	**0.02 J**	<0.13 U	<0.1 U
Benzo(g,h,i)Perylene	191-24-2	NS	ug/l	0.144	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	0.08 J
Benzo(k)fluoranthene	207-08-9	**0.002**	ug/l	**0.164**	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	**0.02 J**
Benzoic Acid	65-85-0	NS	ug/l	<2.56 U	<2.86 U	<50 U	<66 U	<64 U	<50 U
Benzyl Alcohol	100-51-6	NS	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	<2 U
Benzyl Butyl Phthalate	85-68-7	50	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
Biphenyl (Diphenyl)	92-52-4	5	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	2.2
Bis(2-chloroethoxy) methane	111-91-1	5	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	1	ug/l	<1.03 U	<1.14 U	<2 U	<2.6 U	<2.6 U	<2 U
Bis(2-chloroisopropyl) ether	108-60-1	5	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	<2 U
Bis(2-ethylhexyl) phthalate	117-81-7	**5**	ug/l	<0.513 U	0.754	<3 U	<3.9 U	2.2 J	2.1 J
Caprolactam	105-60-2	NS	ug/l	<2.56 U	<2.86 U	NA	NA	NA	NA
Carbazole	86-74-8	NS	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	<2 U
Chrysene	218-01-9	**0.002**	ug/l	**0.185**	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	**0.07 J**
Dibenz(a,h)anthracene	53-70-3	NS	ug/l	<0.0513 U	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	<0.1 U
Dibenzofuran	132-64-9	NS	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	<2 U
Dibutyl phthalate	84-74-2	50	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	0.46 J
Diethyl phthalate	84-66-2	50	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
Dimethyl phthalate	131-11-3	50	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
Dioctyl phthalate	117-84-0	50	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
Fluoranthene	206-44-0	50	ug/l	0.779	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	0.19
Fluorene	86-73-7	50	ug/l	0.226	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	0.71
Hexachlorobenzene	118-74-1	0.04	ug/l	<0.0205 U	<0.0229 U	<0.8 U	<1 U	<1 U	<0.8 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.513 U	<0.571 U	<0.5 U	<0.65 U	<0.64 U	<0.5 U
Hexachlorocyclopentadiene	77-47-4	5	ug/l	<5.13 U	<5.71 U	<20 U	<26 U	<26 U	<20 U
Hexachloroethane	67-72-1	5	ug/l	<0.513 U	<0.571 U	<0.8 U	<1 U	<1 U	<0.8 U
Indeno(1,2,3-cd)pyrene	193-39-5	**0.002**	ug/l	**0.133**	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	**0.06 J**
Isophorone	78-59-1	50	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
Naphthalene	91-20-3	**10**	ug/l	0.328	<0.0571 U	0.05 J	0.09 J	0.07 J	**32**
Nitrobenzene	98-95-3	0.4	ug/l	<0.256 U	<0.286 U	<2 U	<2.6 U	<2.6 U	<2 U
n-Nitrosodimethylamine	62-75-9	NS	ug/l	<0.513 UJ	<0.571 UJ	NA	NA	NA	NA
n-Nitrosodi-N-Propylamine	621-64-7	NS	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	<5 U
n-Nitrosodiphenylamine	86-30-6	50	ug/l	<2.56 U	<2.86 U	<2 U	<2.6 U	<2.6 U	<2 U
Pentachlorophenol	87-86-5	1	ug/l	<0.256 U	<0.286 U	0.09 J	<1 U	<1 U	<0.8 U
Phenanthrene	85-01-8	50	ug/l	0.964	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	1.3
Phenol	108-95-2	**1**	ug/l	<2.56 U	<2.86 U	<5 U	<6.6 U	<6.4 U	**1.2 J**
Pyrene	129-00-0	50	ug/l	0.482	<0.0571 U	<0.1 U	<0.13 U	<0.13 U	0.35
Pyridine	110-86-1	50	ug/l	<2.56 U	<2.86 U	NA	NA	NA	NA

Table D3
BCP Application
Groundwater Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC SGVs	Location	SB04	SB06	SB07	SB10	SB10	SB11
			Sample Name	TMW04_082922	TMW06_082922	TWP07_20221028	TWP10_20221028	TWP_DUP	TWP11_20221027
			Sample Date	08/29/2022	08/29/2022	10/28/2022	10/28/2022	10/28/2022	10/27/2022
			Unit	Result	Result	Result	Result	Result	Result
Pesticides									
4,4'-DDD	72-54-8	0.3	ug/l	NA	NA	NA	NA	NA	NA
4,4'-DDE	72-55-9	0.2	ug/l	NA	NA	NA	NA	NA	NA
4,4'-DDT	50-29-3	0.2	ug/l	NA	NA	NA	NA	NA	NA
Aldrin	309-00-2	0	ug/l	NA	NA	NA	NA	NA	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.01	ug/l	NA	NA	NA	NA	NA	NA
Alpha Chlordane	5103-71-9	NS	ug/l	NA	NA	NA	NA	NA	NA
Alpha Endosulfan	959-98-8	NS	ug/l	NA	NA	NA	NA	NA	NA
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.04	ug/l	NA	NA	NA	NA	NA	NA
Beta Endosulfan	33213-65-9	NS	ug/l	NA	NA	NA	NA	NA	NA
Chlordane (alpha and gamma)	57-74-9	0.05	ug/l	NA	NA	NA	NA	NA	NA
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	ug/l	NA	NA	NA	NA	NA	NA
Dieldrin	60-57-1	0.004	ug/l	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	1031-07-8	NS	ug/l	NA	NA	NA	NA	NA	NA
Endrin	72-20-8	0	ug/l	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	7421-93-4	5	ug/l	NA	NA	NA	NA	NA	NA
Endrin Ketone	53494-70-5	5	ug/l	NA	NA	NA	NA	NA	NA
Gamma Bhc (Lindane)	58-89-9	0.05	ug/l	NA	NA	NA	NA	NA	NA
Gamma Chlordane (Trans)	5103-74-2	NS	ug/l	NA	NA	NA	NA	NA	NA
Heptachlor	76-44-8	0.04	ug/l	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	1024-57-3	0.03	ug/l	NA	NA	NA	NA	NA	NA
Methoxychlor	72-43-5	35	ug/l	NA	NA	NA	NA	NA	NA
Toxaphene	8001-35-2	0.06	ug/l	NA	NA	NA	NA	NA	NA
Herbicides									
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	35	ug/l	NA	NA	NA	NA	NA	NA
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	50	ug/l	NA	NA	NA	NA	NA	NA
Silvex (2,4,5-Tp)	93-72-1	0.26	ug/l	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl									
PCB-1016 (Aroclor 1016)	12674-11-2	NS	ug/l	NA	NA	NA	NA	NA	NA
PCB-1221 (Aroclor 1221)	11104-28-2	NS	ug/l	NA	NA	NA	NA	NA	NA
PCB-1232 (Aroclor 1232)	11141-16-5	NS	ug/l	NA	NA	NA	NA	NA	NA
PCB-1242 (Aroclor 1242)	53469-21-9	NS	ug/l	NA	NA	NA	NA	NA	NA
PCB-1248 (Aroclor 1248)	12672-29-6	NS	ug/l	NA	NA	NA	NA	NA	NA
PCB-1254 (Aroclor 1254)	11097-69-1	NS	ug/l	NA	NA	NA	NA	NA	NA
PCB-1260 (Aroclor 1260)	11096-82-5	NS	ug/l	NA	NA	NA	NA	NA	NA
PCB-1262 (Aroclor 1262)	37324-23-5	NS	ug/l	NA	NA	NA	NA	NA	NA
PCB-1268 (Aroclor 1268)	11100-14-4	NS	ug/l	NA	NA	NA	NA	NA	NA
Total PCBs	1336-36-3	0.09	ug/l	NA	NA	NA	NA	NA	NA
Metals - Dissolved									
Aluminum	7429-90-5	NS	ug/l	NA	NA	NA	NA	NA	NA
Antimony	7440-36-0	**3**	ug/l	NA	NA	NA	NA	NA	NA
Arsenic	7440-38-2	25	ug/l	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	1000	ug/l	NA	NA	NA	NA	NA	NA
Beryllium	7440-41-7	3	ug/l	NA	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	ug/l	NA	NA	NA	NA	NA	NA
Calcium	7440-70-2	NS	ug/l	NA	NA	NA	NA	NA	NA
Chromium, Total	7440-47-3	50	ug/l	NA	NA	NA	NA	NA	NA
Cobalt	7440-48-4	NS	ug/l	NA	NA	NA	NA	NA	NA
Copper	7440-50-8	200	ug/l	NA	NA	NA	NA	NA	NA
Iron	7439-89-6	**300**	ug/l	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	25	ug/l	NA	NA	NA	NA	NA	NA
Magnesium	7439-95-4	35000	ug/l	NA	NA	NA	NA	NA	NA
Manganese	7439-96-5	**300**	ug/l	NA	NA	NA	NA	NA	NA
Mercury	7439-97-6	0.7	ug/l	NA	NA	NA	<0.2 U	<0.2 U	0.29
Nickel	7440-02-0	100	ug/l	NA	NA	NA	NA	NA	NA
Potassium	7440-09-7	NS	ug/l	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	10	ug/l	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	50	ug/l	NA	NA	NA	NA	NA	NA
Sodium	7440-23-5	**20000**	ug/l	NA	NA	NA	NA	NA	NA
Thallium	7440-28-0	0.5	ug/l	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	ug/l	NA	NA	NA	NA	NA	NA
Zinc	7440-66-6	2000	ug/l	NA	NA	NA	NA	NA	NA
Metals - Total									
Aluminum	7429-90-5	NS	ug/l	NA	NA	2,130	16,800 J	11,200 J	2,620
Antimony	7440-36-0	3	ug/l	NA	NA	<4 U	<4 U	<4 U	0.75 J
Arsenic	7440-38-2	25	ug/l	NA	NA	1.02	4.65	3.74	1.58
Barium	7440-39-3	1000	ug/l	NA	NA	84.9	317.7	254.4	46.37
Beryllium	7440-41-7	3	ug/l	NA	NA	0.1 J	1.23	0.89	0.82
Cadmium	7440-43-9	5	ug/l	NA	NA	0.13 J	2.07	1.71	0.14 J
Calcium	7440-70-2	NS	ug/l	NA	NA	29,900	29,600	34,600	14,200
Chromium, Hexavalent	18540-29-9	50	ug/l	NA	NA	NA	NA	NA	NA
Chromium, Total	7440-47-3	NS	ug/l	NA	NA	12.93	155.7	115.4	31.04
Chromium, Trivalent	16065-83-1	NS	ug/l	NA	NA	NA	NA	NA	NA
Cobalt	7440-48-4	NS	ug/l	NA	NA	5.62	25.29	19.77	14.14
Copper	7440-50-8	200	ug/l	NA	NA	10.59	102.8	77.26	124.8
Cyanide	57-12-5	200	ug/l	NA	NA	NA	NA	NA	NA
Hardness, Total	HARD	NS	ug/l	NA	NA	NA	NA	NA	NA
Iron	7439-89-6	**300**	ug/l	NA	NA	**10,600**	**45,200 J**	**32,700 J**	**7,170**
Lead	7439-92-1	**25**	ug/l	NA	NA	4.13	**93.75 J**	**58.25 J**	4.47
Magnesium	7439-95-4	35000	ug/l	NA	NA	6,250	13,800	14,800	3,430
Manganese	7439-96-5	**300**	ug/l	NA	NA	**1,770**	**3,412**	**3,135**	**706.7**
Mercury	7439-97-6	0.7	ug/l	NA	NA	<0.2 U	NA	NA	NA
Nickel	7440-02-0	100	ug/l	NA	NA	16.91	82.03	67.67	25.18
Potassium	7440-09-7	NS	ug/l	NA	NA	8,100	9,510	8,670	2,240
Selenium	7782-49-2	**10**	ug/l	NA	NA	<5 U	3.97 J	3.5 J	<5 U
Silver	7440-22-4	50	ug/l	NA	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U
Sodium	7440-23-5	**20000**	ug/l	NA	NA	15,200	19,100	**23,300**	**22,900**
Thallium	7440-28-0	0.5	ug/l	NA	NA	<1 U	0.16 J	<1 U	<1 U
Vanadium	7440-62-2	NS	ug/l	NA	NA	4.48 J	43.76 J	30.64 J	5.96
Zinc	7440-66-6	2000	ug/l	NA	NA	25.1	98.1 J	70.05 J	108.4

Table D3
BCP Application
Groundwater Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDEC SGVs	Location	SB04	SB06	SB07	SB10	SB10	SB11
			Sample Name	TMW04_082922	TMW06_082922	TWP07_20221028	TWP10_20221028	TWP_DUP	TWP11_20221027
			Sample Date	08/29/2022	08/29/2022	10/28/2022	10/28/2022	10/28/2022	10/27/2022
			Unit	Result	Result	Result	Result	Result	Result
General Chemistry									
Alkalinity, Total (As CaCO3)	ALK	NS	ug/l	NA	NA	NA	NA	NA	NA
Biologic Oxygen Demand, Five Day	BOD5	NS	ug/l	NA	NA	NA	NA	NA	NA
COD-Chemical Oxygen Demand	COD	NS	ug/l	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia (As N)	7664-41-7	2000	ug/l	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate-Nitrite	NO3NO2N	10000	ug/l	NA	NA	NA	NA	NA	NA
Phosphorus	7723-14-0	NS	ug/l	NA	NA	NA	NA	NA	NA
Sulfate (As SO4)	14808-79-8	250000	ug/l	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	50	ug/l	NA	NA	NA	NA	NA	NA
Total Organic Carbon	TOC	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acids									
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	ug/l	NA	NA	NA	NA	NA	NA
1h,1h,2h,2h-Perfluorohexanesulfonic Acid (4:2)	757124-72-4	NS	ug/l	NA	NA	NA	NA	NA	NA
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	6HPFHXSA	NS	ug/l	NA	NA	NA	NA	NA	NA
3:3 FTCA	356-02-5	NS	ug/l	NA	NA	NA	NA	NA	NA
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	ug/l	NA	NA	NA	NA	NA	NA
5:3 FTCA	914637-49-3	NS	ug/l	NA	NA	NA	NA	NA	NA
7:3 FTCA	812-70-4	NS	ug/l	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	ug/l	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	ug/l	NA	NA	NA	NA	NA	NA
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	ug/l	NA	NA	NA	NA	NA	NA
N-ethylperfluorooctane sulfonamidoe	1691-99-2	NS	ug/l	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	ug/l	NA	NA	NA	NA	NA	NA
N-methylperfluorooctane sulfonamide	31506-32-8	NS	ug/l	NA	NA	NA	NA	NA	NA
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	ug/l	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	375-22-4	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorononanoic Acid (PFNA)	375-95-1	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	**0.0027**	ug/l	NA	NA	NA	NA	NA	NA
Perfluorooctanoic Acid (PFOA)	335-67-1	**0.0067**	ug/l	NA	NA	NA	NA	NA	NA
Perfluoropentanesulfonic Acid	2706-91-4	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	ug/l	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	ug/l	NA	NA	NA	NA	NA	NA
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	ug/l	NA	NA	NA	NA	NA	NA
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	ug/l	NA	NA	NA	NA	NA	NA
Tetrafluoro-2- (heptafluoropropoxy) propanoic Acid	13252-13-6	NS	ug/l	NA	NA	NA	NA	NA	NA

Table D3
BCP Application
Groundwater Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Notes:
CAS - Chemical Abstract Service
NS - No standard
ug/l - microgram per liter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 Codes, Rules, and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water and published addenda (herein collectively referenced as "NYSDEC SGVs").

Qualifiers:

J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:
10 - Result exceeds NYSDEC SGVs

Table D4
BCP Application
Indoor Air and Sub-Slab Soil Vapor Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDOH AGVs	Location	AA01	LIA01_LSSV01		LIA02_LSSV02		LIA03_LSSV03			LIA04_LSSV04	
			Sample Name	AA01_062323	LIA01_062323	LSSV01_062323	LIA02_062323	LSSV02_062323	LIA03_062323	LSSV03_062323	DUP06_062323	LIA04_062323	LSSV04_062323
			Sample Date	06/23/2023	06/23/2023	06/23/2023	06/23/2023	06/23/2023	06/23/2023	06/23/2023	06/23/2023	06/23/2023	06/23/2023
			Sample Type	AA	IA	SSV	IA	SSV	IA	SSV	SSV	IA	SSV
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	NS	ug/m3	<0.109 U	0.884	<851 U	0.802	<126 U	0.18	<15.8 U	<14.3 U	0.153	101
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<1.37 U	<1.37 U	<1,070 U	<1.37 U	<159 U	<1.37 U	<19.9 U	<18 U	<1.37 U	<4.58 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<1.53 U	<1.53 U	<1,200 U	<1.53 U	<177 U	<1.53 U	<22.2 U	<20.1 U	<1.53 U	<5.11 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<1.09 U	<1.09 U	<851 U	<1.09 U	<126 U	<1.09 U	<15.8 U	<14.3 U	<1.09 U	<3.64 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.809 U	<0.809 U	<631 U	<0.809 U	<93.5 U	<0.809 U	<11.7 U	<10.6 U	<0.809 U	<2.7 U
1,1-Dichloroethene	75-35-4	NS	ug/m3	<0.079 U	<0.079 U	<619 U	<0.079 U	<91.6 U	<0.079 U	<11.5 U	<10.4 U	<0.079 U	<2.64 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<1.48 U	<1.48 U	<1,160 U	<1.48 U	<171 U	<1.48 U	<21.5 U	<19.4 U	<1.48 U	<4.95 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	<0.983 U	2.06	<767 U	1.92	<114 U	1.21	<14.3 U	<12.9 U	1.31	<3.28 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<1.54 U	<1.54 U	<1,200 U	<1.54 U	<178 U	<1.54 U	<22.3 U	<20.1 U	<1.54 U	<5.13 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<1.2 U	<1.2 U	<938 U	<1.2 U	<139 U	<1.2 U	<17.4 U	<15.8 U	<1.2 U	<4.01 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.809 U	<0.809 U	<631 U	<0.809 U	<93.5 U	<0.809 U	<11.7 U	<10.6 U	<0.809 U	<2.7 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.924 U	<0.924 U	<721 U	<0.924 U	<107 U	<0.924 U	<13.4 U	<12.1 U	<0.924 U	<3.08 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<1.4 U	<1.4 U	<1,090 U	<1.4 U	<161 U	<1.4 U	<20.3 U	<18.3 U	<1.4 U	<4.66 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.983 U	<0.983 U	<767 U	<0.983 U	<114 U	<0.983 U	<14.3 U	<12.9 U	<0.983 U	<3.28 U
1,3-Butadiene	106-99-0	NS	ug/m3	<0.442 U	<0.442 U	<345 U	<0.442 U	<51.1 U	<0.442 U	<6.42 U	<5.8 U	<0.442 U	<1.48 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<1.2 U	<1.2 U	<938 U	<1.2 U	<139 U	<1.2 U	<17.4 U	<15.8 U	<1.2 U	<4.01 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<1.2 U	<1.2 U	<938 U	<1.2 U	<139 U	<1.2 U	<17.4 U	<15.8 U	<1.2 U	<4.01 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.721 U	<0.721 U	<562 U	<0.721 U	<83.2 U	<0.721 U	<10.5 U	<9.44 U	<0.721 U	<2.4 U
2,2,4-Trimethylpentane	540-84-1	NS	ug/m3	1.1	<0.934 U	<729 U	<0.934 U	<108 U	1.51	<13.5 U	<12.2 U	1.84	<3.12 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.82 U	<0.82 U	<639 U	<0.82 U	<94.7 U	<0.82 U	<11.9 U	<10.7 U	<0.82 U	<2.73 U
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.983 U	<0.983 U	<767 U	<0.983 U	<114 U	<0.983 U	<14.3 U	<12.9 U	<0.983 U	<3.28 U
Acetone	67-64-1	NS	ug/m3	14.9	218	<1,860 U	199	<276 U	285	<34.4 U	<31.1 U	252	77.4
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<0.626 U	<0.626 U	<488 U	<0.626 U	<72.3 U	<0.626 U	<9.08 U	<8.2 U	<0.626 U	<2.09 U
Benzene	71-43-2	NS	ug/m3	0.767	0.658	<498 U	<0.639 U	<73.8 U	0.997	<9.26 U	<8.37 U	0.962	<2.13 U
Benzyl Chloride	100-44-7	NS	ug/m3	<1.04 U	<1.04 U	<808 U	<1.04 U	<120 U	<1.04 U	<15 U	<13.6 U	<1.04 U	<3.45 U
Bromodichloromethane	75-27-4	NS	ug/m3	<1.34 U	<1.34 U	<1,050 U	<1.34 U	<155 U	<1.34 U	<19.4 U	<17.6 U	<1.34 U	<4.47 U
Bromoethene	593-60-2	NS	ug/m3	<0.874 U	<0.874 U	<682 U	<0.874 U	<101 U	<0.874 U	<12.7 U	<11.5 U	<0.874 U	<2.92 U
Bromoform	75-25-2	NS	ug/m3	<2.07 U	<2.07 U	<1,610 U	<2.07 U	<239 U	<2.07 U	<30 U	<27.1 U	<2.07 U	<6.9 U
Bromomethane	74-83-9	NS	ug/m3	<0.777 U	<0.777 U	<606 U	<0.777 U	<89.7 U	<0.777 U	<11.3 U	<10.2 U	<0.777 U	<2.59 U
Carbon Disulfide	75-15-0	NS	ug/m3	<0.623 U	<0.623 U	<486 U	<0.623 U	<71.9 U	<0.623 U	<9.03 UJ	20 J	<0.623 U	3.15
Carbon Tetrachloride	56-23-5	NS	ug/m3	0.503	0.579	<981 U	0.516	<145 U	0.497	<18.2 U	<16.5 U	0.491	<4.2 U
Chlorobenzene	108-90-7	NS	ug/m3	<0.921 U	<0.921 U	<718 U	<0.921 U	<106 U	<0.921 U	<13.4 U	<12.1 U	<0.921 U	<3.07 U
Chloroethane	75-00-3	NS	ug/m3	<0.528 U	<0.528 U	<412 U	<0.528 U	<61 U	<0.528 U	<7.65 U	<6.91 U	<0.528 U	<1.76 U
Chloroform	67-66-3	NS	ug/m3	<0.977 U	5.62	<762 U	4.81	<113 U	<0.977 U	216	258	<0.977 U	6.54
Chloromethane	74-87-3	NS	ug/m3	1.14	1.27	<322 U	1.25	<47.7 U	1.23	<5.99 U	<5.41 U	1.16	<1.38 U
Cis-1,2-Dichloroethene	156-59-2	NS	ug/m3	<0.079 U	13.4	856	13	196	<0.079 U	<11.5 U	<10.4 U	0.178	214
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.908 U	<0.908 U	<708 U	<0.908 U	<105 U	<0.908 U	<13.2 U	<11.9 U	<0.908 U	<3.03 U
Cyclohexane	110-82-7	NS	ug/m3	0.719	8.85	<537 U	7.23	<79.5 U	4.13	<9.98 U	<9.02 U	2.29	17
Dibromochloromethane	124-48-1	NS	ug/m3	<1.7 U	<1.7 U	<1,330 U	<1.7 U	<197 U	<1.7 U	<24.7 U	<22.3 U	<1.7 U	<5.68 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.57	2.68	<771 U	2.6	<114 U	2.58	<14.3 U	<13 U	2.54	52.4
Ethanol	64-17-5	NS	ug/m3	<9.42 U	188	<7,370 U	198	<1,090 U	298	<136 U	<124 U	207	<31.5 U
Ethyl Acetate	141-78-6	NS	ug/m3	<1.8 U	3.78	<1,410 U	3.6	<208 U	11.2	<26.1 U	<23.6 U	3.07	<6.02 U
Ethylbenzene	100-41-4	NS	ug/m3	<0.869 U	1.12	<678 U	1.01	<100 U	1.31	<12.6 U	<11.4 U	0.943	<2.9 U
Hexachlorobutadiene	87-68-3	NS	ug/m3	<2.13 U	<2.13 U	<1,660 U	<2.13 U	<246 U	<2.13 U	<30.9 U	<27.9 U	<2.13 U	<7.11 U
Isopropanol	67-63-0	NS	ug/m3	<1.23 U	13.4	<961 U	13.6	<142 U	19.4	<17.8 U	<16.1 U	13.5	4.84
M,P-Xylene	179601-23-1	NS	ug/m3	<1.74 U	4.69	<1,360 U	4.22	<201 U	4.91	<25.1 U	<22.8 U	3.24	<5.78 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	1.57	7.2	<1,150 U	5.49	<170 U	3.16	<21.4 U	<19.3 U	1.98	<4.93 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	<2.05 U	14.3	<1,600 U	9.84	<237 U	2.29	<29.7 U	<26.9 U	<2.05 U	<6.84 U
Methylene Chloride	75-09-2	**60**	ug/m3	**60.8**	**153**	<1,360 U	**96.2**	<201 U	43.8	<25.2 U	<22.8 U	16.1	<5.8 U
n-Heptane	142-82-5	NS	ug/m3	<0.82 U	9.22	<639 U	7.79	<94.7 U	12.4	<11.9 U	<10.7 U	10.1	<2.73 U
n-Hexane	110-54-3	NS	ug/m3	0.744	34.4	<550 U	31.8	<81.4 U	27	<10.2 U	<9.23 U	18.3	2.79
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	<0.869 U	1.56	<678 U	1.42	<100 U	1.42	<12.6 U	<11.4 U	1.1	<2.9 U
Styrene	100-42-5	NS	ug/m3	<0.852 U	0.937	<664 U	0.979	<98.4 U	1.57	<12.3 U	<11.2 U	0.949	<2.84 U
Tert-Butyl Alcohol	75-65-0	NS	ug/m3	<1.52 U	<1.52 U	<1,190 U	<1.52 U	<175 U	<1.52 U	<21.9 U	<19.9 U	<1.52 U	<5.06 U
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.721 U	<0.721 U	<562 U	<0.721 U	<83.3 U	<0.721 U	<10.5 U	<9.45 U	<0.721 U	<2.4 U
Tetrachloroethene (PCE)	127-18-4	**30**	ug/m3	1.66	**2,350**	346,000	**2,010**	51,100	5.91	5,070	5,610	2.69	15.6
Tetrahydrofuran	109-99-9	NS	ug/m3	<1.47 U	2.13	<1,150 U	<1.47 U	<170 U	<1.47 U	<21.4 U	<19.3 U	<1.47 U	<4.93 U
Toluene	108-88-3	NS	ug/m3	10.3	89.3	<588 U	74.2	<87.1 U	70.1	<10.9 U	<9.87 U	52.4	73.9
Total Xylenes	1330-20-7	NS	ug/m3	<0.869 U	6.25	<678 U	5.65	<100 U	6.34	<12.6 U	<11.4 U	4.34	<2.9 U
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.793 U	<0.793 U	<619 U	<0.793 U	<91.6 U	<0.793 U	<11.5 U	<10.4 U	<0.793 U	79.7
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.908 U	<0.908 U	<708 U	<0.908 U	<105 U	<0.908 U	<13.2 U	<11.9 U	<0.908 U	<3.03 U
Trichloroethene (TCE)	79-01-6	**2**	ug/m3	<0.107 U	**83.8**	5,360	**70.9**	1,350	**2.18**	5,480	6,340	1.23	422
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.21	2.43	<877 U	2.47	<130 U	13	<16.3 U	<14.7 U	19.4	1,010
Vinyl Chloride	75-01-4	NS	ug/m3	<0.051 U	<0.051 U	<399 U	<0.051 U	<59 U	<0.051 U	<7.41 U	<6.7 U	<0.051 U	<1.71 U
Total BTEX	BTEX	NS	ug/m3	11.067	97.328	ND	80.86	ND	78.747	ND	ND	58.645	73.9
Total CVOCs	CVOCS	NS	ug/m3	1.66	2,448.08	352,216	2,094.70	52,646	8.27	10,550	11,950	4.251	832.3
Total VOCs	TOTAL VOCS	NS	ug/m3	97.983	3,219.52	352,216	2,768.30	52,646	821.324	10,766	12,228	619.266	2,080.32

Table D4
BCP Application
Indoor Air and Sub-Slab Soil Vapor Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No.: C241279
Langan Project No.: 101015501

Notes:
AA - Ambient Air
IA - Indoor Air
SSV - Sub-slab Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Indoor air sample analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) as set forth in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York and subsequent updates (2013, 2015, 2017).

Ambient air sample analytical results are shown for reference only.

Qualifiers:

J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:
10 - Result exceeds NYSDOH AGVs

Table D5
BCP Application
Soil Vapor Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No. C241279
Langan Project No.: 101015501

Analyte	CAS Number	NYSDOH Decision Matrices Minimum Concentrations	Location	LSV01	LSV02	LSV03	LSV04
			Sample Name	LSV01_062323	LSV02_062323	LSV03_062323	LSV04_062323
			Sample Date	06/23/2023	06/23/2023	06/23/2023	06/23/2023
			Sample Type	SV	SV	SV	SV
			Unit	Result	Result	Result	Result
Volatile Organic Compounds							
1,1,1-Trichloroethane	71-55-6	100	ug/m3	<1.09 U	<1.09 U	<26.5 U	<1.09 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<1.37 U	<1.37 U	<33.4 U	<1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<1.53 U	<1.53 U	<37.3 U	<1.53 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<1.09 U	<1.09 U	<26.5 U	<1.09 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.809 U	<0.809 U	<19.7 U	<0.809 U
1,1-Dichloroethene	75-35-4	6	ug/m3	<0.793 U	<0.793 U	<19.3 U	<0.793 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<1.48 U	<1.48 U	<36.1 U	<1.48 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	<0.983 U	<0.983 U	<23.9 U	<0.983 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<1.54 U	<1.54 U	<37.3 U	<1.54 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<1.2 U	<1.2 U	<29.2 U	<1.2 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.809 U	<0.809 U	<19.7 U	<0.809 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.924 U	<0.924 U	<22.5 U	<0.924 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<1.4 U	<1.4 U	<34 U	<1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.983 U	<0.983 U	<23.9 U	<0.983 U
1,3-Butadiene	106-99-0	NS	ug/m3	<0.442 U	<0.442 U	<10.8 U	<0.442 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<1.2 U	<1.2 U	<29.2 U	<1.2 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<1.2 U	<1.2 U	<29.2 U	<1.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.721 U	<0.721 U	<17.5 U	<0.721 U
2,2,4-Trimethylpentane	540-84-1	NS	ug/m3	1.36	1.2	<22.7 U	<0.934 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.82 U	<0.82 U	<19.9 U	<0.82 U
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.983 U	<0.983 U	<23.9 U	<0.983 U
Acetone	67-64-1	NS	ug/m3	25.7	21.8	<57.7 U	27.3
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<0.626 U	<0.626 U	<15.2 U	<0.626 U
Benzene	71-43-2	NS	ug/m3	0.645	0.722	<15.5 U	0.974
Benzyl Chloride	100-44-7	NS	ug/m3	<1.04 U	<1.04 U	<25.2 U	<1.04 U
Bromodichloromethane	75-27-4	NS	ug/m3	<1.34 U	<1.34 U	<32.6 U	<1.34 U
Bromoethene	593-60-2	NS	ug/m3	<0.874 U	<0.874 U	<21.2 U	<0.874 U
Bromoform	75-25-2	NS	ug/m3	<2.07 U	<2.07 U	<50.2 U	<2.07 U
Bromomethane	74-83-9	NS	ug/m3	<0.777 U	<0.777 U	<18.9 U	<0.777 U
Carbon Disulfide	75-15-0	NS	ug/m3	<0.623 U	<0.623 U	<15.1 U	<0.623 U
Carbon Tetrachloride	56-23-5	6	ug/m3	<1.26 U	<1.26 U	<30.6 U	<1.26 U
Chlorobenzene	108-90-7	NS	ug/m3	<0.921 U	<0.921 U	<22.4 U	<0.921 U
Chloroethane	75-00-3	NS	ug/m3	<0.528 U	<0.528 U	<12.8 U	<0.528 U
Chloroform	67-66-3	NS	ug/m3	<0.977 U	<0.977 U	64	<0.977 U
Chloromethane	74-87-3	NS	ug/m3	1.13	1.14	<10 U	1.15
Cis-1,2-Dichloroethene	156-59-2	**6**	ug/m3	<0.793 U	<0.793 U	**295**	<0.793 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.908 U	<0.908 U	<22.1 U	<0.908 U
Cyclohexane	110-82-7	NS	ug/m3	<0.688 U	<0.688 U	<16.7 U	<0.688 U
Dibromochloromethane	124-48-1	NS	ug/m3	<1.7 U	<1.7 U	<41.4 U	<1.7 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.55	2.65	<24 U	2.49
Ethanol	64-17-5	NS	ug/m3	10.5	<9.42 U	<230 U	<9.42 U
Ethyl Acetate	141-78-6	NS	ug/m3	<1.8 U	<1.8 U	<44 U	<1.8 U
Ethylbenzene	100-41-4	NS	ug/m3	<0.869 U	<0.869 U	<21.1 U	1.06
Hexachlorobutadiene	87-68-3	NS	ug/m3	<2.13 U	<2.13 U	<51.8 U	<2.13 U
Isopropanol	67-63-0	NS	ug/m3	1.51	1.78	<30 U	<1.23 U
M,P-Xylene	179601-23-1	NS	ug/m3	2.04	<1.74 U	51.7	<1.74 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	4.57	<1.47 U	<36 U	<1.47 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	<2.05 U	<2.05 U	<50 U	<2.05 U
Methylene Chloride	75-09-2	100	ug/m3	12.8	<1.74 U	<42.4 U	44.5
n-Heptane	142-82-5	NS	ug/m3	<0.82 U	<0.82 U	<19.9 U	<0.82 U
n-Hexane	110-54-3	NS	ug/m3	1.25	1.02	<17.1 U	<0.705 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	<0.869 U	<0.869 U	<21.1 U	<0.869 U
Styrene	100-42-5	NS	ug/m3	<0.852 U	<0.852 U	<20.7 U	<0.852 U
Tert-Butyl Alcohol	75-65-0	NS	ug/m3	3.73	1.59	<37 U	<1.52 U
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.721 U	<0.721 U	<17.5 U	<0.721 U
Tetrachloroethene (PCE)	127-18-4	**100**	ug/m3	1.98	2.64	**6,560**	5.19
Tetrahydrofuran	109-99-9	NS	ug/m3	<1.47 U	<1.47 U	<36 U	<1.47 U
Toluene	108-88-3	NS	ug/m3	6.82	3.09	38.4	6.52
Total Xylenes	1330-20-7	NS	ug/m3	2.04	<0.869 U	51.7	<0.869 U
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.793 U	<0.793 U	31.6	<0.793 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.908 U	<0.908 U	<22.1 U	<0.908 U
Trichloroethene (TCE)	79-01-6	**6**	ug/m3	<1.07 U	1.56	**9,620**	5.54
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.22	1.22	<27.3 U	1.34
Vinyl Chloride	75-01-4	6	ug/m3	<0.511 U	<0.511 U	<12.4 U	<0.511 U
Total BTEX	BTEX	NS	ug/m3	9.505	3.812	90.1	8.554
Total CVOCs	CVOCS	NS	ug/m3	1.98	4.2	16,506.6	10.73
Total VOCs	TOTAL VOCS	NS	ug/m3	79.845	40.412	16,712.4	96.064

Table D5
BCP Application
Soil Vapor Sample Analytical Results

16-63 Cody Avenue
Queens, New York
BCP Site No. C241279
Langan Project No.: 101015501

Notes:
SV - Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Soil vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).

Exceedance Summary:
10 - Result exceeds minimum soil vapor concentrations recommending mitigation

Qualifiers:
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

ATTACHMENT E

SECTION V: REQUESTOR INFORMATION

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ATTACHMENT E
SECTION V: REQUESTOR INFORMATION

The prospective future purchaser (Cody Avenue Property LLC) is the Requestor for the BCP Application.

Business Entity Information

A copy of the entity information for Cody Avenue Property LLC (Requestor) from the New York State Department of State Division of Corporations is included with this attachment.

As the Requestor is a Limited Liability Company, the member/owner names are provided in Attachment I.

\\langan.com\data\PAR\data5\101015501\Project Data_Discipline\Environmental\Reports\2023-10 - BCP App - Rev 2\Attachment E - Section V Requestor Information\Attachment E1 - Section V Requestor Information (2023-11).docx

Department of State
Division of Corporations

Entity Information

Return to Results | Return to Search

Entity Details

ENTITY NAME: CODY AVENUE PROPERTY LLC
FOREIGN LEGAL NAME: CODY AVENUE PROPERTY LLC
ENTITY TYPE: FOREIGN LIMITED LIABILITY COMPANY
SECTIONOF LAW: LIMITED LIABILITY COMPANY - 802 LIMITED LIABILITY COMPANY LAW - LIMITED LIABILITY COMPANY LAW
DATE OF INITIAL DOS FILING: 08/25/2023
EFFECTIVE DATE INITIAL FILING: 08/25/2023
FOREIGN FORMATION DATE: 07/13/2023
COUNTY: NEW YORK
JURISDICTION: DELAWARE, UNITED STATES

DOS ID: 7014808
FICTITIOUS NAME:
DURATION DATE/LATEST DATE OF DISSOLUTION:
ENTITY STATUS: ACTIVE
REASON FOR STATUS:
INACTIVE DATE:
STATEMENT STATUS: CURRENT
NEXT STATEMENT DUE DATE: 08/31/2025
NFP CATEGORY:

ENTITY DISPLAY | NAME HISTORY | FILING HISTORY | MERGER HISTORY | ASSUMED NAME HISTORY

Service of Process on the Secretary of State as Agent

The Post Office address to which the Secretary of State shall mail a copy of any process against the corporation served upon the Secretary of State by personal delivery:

Name: C/O CORPORATION SERVICE COMPANY

Address: 80 STATE STREET, ALBANY, NY, UNITED STATES, 12207 - 2543

Electronic Service of Process on the Secretary of State as agent: Not Permitted

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 F

SECTION VI: REQUESTOR ELIGIBILITY

ATTACHMENT F
SECTION VI: REQUESTOR ELIGIBILITY INFORMATION

Volunteer Statement

Pursuant to ECL § 27-1405(1), Cody Avenue Property LLC, (the requestor), is properly designated as a Volunteer as it has no liability associated with the presence of any contamination at the site. Specifically, as the prospective purchaser of the site, Cody Avenue Owner, LLC has no connection to activities that may have caused any discharge or release of contamination confirmed to exist at the site as part of the Remedial Investigation (including chlorinated solvents, petroleum related compounds, metals or SVOCs). The Requestor is applying to the BCP in order to undertake the remediation of the site, pursuant to all applicable laws, regulations and guidance.

Item 14: Requestor Relationship to the Property

The Requestor is the prospective purchaser of the site. Proof of site access has been provided by the current property owner and is attached.

\\langan.com\data\PAR\data5\101015501\Project Data_Discipline\Environmental\Reports\2023-10 - BCP App - Rev 2\Attachment F - Section VI Requestor Eligibility\Attachment F1 - Section VI Requestor Eligibility (2023-11).docx

ACCESS AGREEMENT

ACCESS AGREEMENT made as of this 27 day of October 2023, by and between Johnson Ingraham Associates LLC (**"Grantor"**) and Cody Avenue Property LLC (**"Grantee"**).

WHEREAS, Grantor is the Owner of certain real property located at 16-63 Cody Ave, Ridgewood, New York (Block 3556, Lot 61), together with the building and improvements thereon (the "**Property**");

WHEREAS, Grantor has entered into an Amended and Restated Purchase and Sale Agreement dated as of March 15,2023 (as further amended, the "Purchase Agreement") Grantee for the acquisition of the Property; and with

WHEREAS, Grantee intends to submit an application to the New York State Department of Environmental Conservation ("**NYSDEC**") to enroll the Property in the New York State Brownfield Cleanup Program ("**BCP**"); and

WHEREAS, prior to the closing of the sale of and conveyance of title to the Property from Grantor to Grantee (the "**Closing**"), Grantee may require access to the Property to carry out certain investigatory, remedial and other related tasks required by the BCP (collectively, the "**Work**"); and

WHEREAS, Grantor desires to grant Grantee such continued access.

NOW, THEREFORE, in consideration of the foregoing and for good and valuable consideration, the receipt of which is hereby acknowledged, Grantor and Grantee agree as follows:

1. Grantor hereby grants reasonable access upon, into, under or through the Property for the purpose of the entry thereon by Grantee, its agents, employees, architects, engineers, contractors and consultants (collectively, the "**Grantee Related Parties**" and each a "**Grantee Related Party**"), vehicles, equipment and materials required by Grantee to satisfy tasks and obligations required by any Brownfield Cleanup Agreement entered into between Grantee and the NYSDEC.

2. Grantee Related Parties shall perform the Work in a workmanlike manner and in accordance with industry standards and in accordance with applicable laws, rules and regulations. The rights granted pursuant to paragraph 1 of this Agreement are nonexclusive, it being understood and agreed that Grantor, its agents, employees, workers, contractors and tenants will have full authority to come upon and have unfettered access to the Property during the performance of the Work. The performance of the Work will not interfere unreasonably with the quiet enjoyment of Grantor's Building by the tenants thereof. Grantor agrees that it will use commercially reasonable efforts to avoid unreasonable interference with Grantee's exercise of its rights hereunder. Any access to the Property or Work to be performed pursuant to this Access Agreement shall be subject to compliance with the insurance and indemnity requirements set forth in the Purchase Agreement.

3. Grantee shall provide reasonable notice to Grantor prior to Grantee's need for access to Grantor's Property to perform the Work.

4. Grantee shall be responsible for obtaining all federal, state or local governmental approvals and providing all notices in relation to the Work.

5. In the event that an environmental easement is required prior to the Closing, grantor will execute and cooperate with grantee in recording the easement.

6. This Agreement shall be governed by and construed in accordance with the laws of the State of New York. Any proceedings initiated by either party to enforce the terms of or otherwise related to this Agreement shall be brought in the Supreme Court, State of New York.

IN WITNESS WHEREOF, this Agreement has been executed by Grantor and Grantee and is effective as of the date set forth above.

GRANTOR:

Johnson Ingraham Associates LLC

By: Dan Aiksnoras
Dan Aiksnoras (Oct 27, 2023 12:33 EDT)

Name: Dan Aiksnoras

Title: Member

GRANTEE:

Cody Avenue Property LLC

By:

Name: Kasra Sanandaji

Title: Authorized signatory

Access Agreement (e-sign)

Final Audit Report 2023-10-27

Created:	2023-10-27
By:	Jen Coghlan (jcoghlan@sprlaw.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAASyGf_QBUoiFFe-o4CRsXg5E1v_ghfpYB

"Access Agreement (e-sign)" History

Document created by Jen Coghlan (jcoghlan@sprlaw.com)
2023-10-27 - 4:09:14 PM GMT- IP address: 38.140.251.186

Document emailed to Dan Aiksnoras (mindhandcoinc@gmail.com) for signature
2023-10-27 - 4:10:38 PM GMT

Email viewed by Dan Aiksnoras (mindhandcoinc@gmail.com)
2023-10-27 - 4:13:01 PM GMT- IP address: 51.179.108.245

Document e-signed by Dan Aiksnoras (mindhandcoinc@gmail.com)
Signature Date: 2023-10-27 - 4:33:28 PM GMT - Time Source: server- IP address: 51.179.108.245

Document emailed to Kasra Sanandaji (ks@apxrei.com) for signature
2023-10-27 - 4:33:30 PM GMT

Email viewed by Kasra Sanandaji (ks@apxrei.com)
2023-10-27 - 4:50:09 PM GMT- IP address: 174.204.133.171

Document e-signed by Kasra Sanandaji (ks@apxrei.com)
Signature Date: 2023-10-27 - 4:50:44 PM GMT - Time Source: server- IP address: 174.204.133.171

Agreement completed.
2023-10-27 - 4:50:44 PM GMT

WRITTEN CONSENT OF THE MANAGER

The undersigned, being the Administrative Member of the sole member of Cody Avenue Property LLC, a Delaware limited liability company (the "Company"), does hereby resolve that:

1. Kasra Sanandaji has the full power and authority on behalf of the Company, as an Authorized Signatory, to:

    a. Execute documents in connection with the application of the Company for participation in the New York State Brownfield Cleanup Program (the "BCP");

    b. Enter into agreements with the New York State Department of Environmental Conservation (the "DEC") in connection with the Company's participation in the BCP;

    c. Execute any and all documents in connection with the Company's participation in the BCP, including but not limited to applications, agreements, easements and tax returns;

    d. Take any action necessary to the furtherance of the Company's participation in the BCP, including but not limited to conducting negotiations on behalf of the Company.

2. The authority hereby conferred shall be deemed retroactive, and any and all acts authorized herein which were performed prior to the passage of this consent are hereby approved and ratified. The authority hereby conferred shall continue in full force and effect until the DEC shall have received notice, in writing, of the revocation hereof by a resolution duly adopted by the Manager of the Company. Any such revocation shall be effective only as to actions taken by the Company subsequent to DEC's receipt of such notice.

3. The undersigned hereby represents and warrants that (i) the undersigned is the Administrative Member of the sole member of the Company; and (ii) the consent of the Manager is sufficient to authorize the Company to take the aforementioned actions.

Cody Avenue JV LLC, a Delaware limited liability company

By:_____
Name: Kasra Sanandaji
Title: Administrative Member

Dated: September 7, 2023
New York, NY

ATTACHMENT G

SECTION IX: CURRENT PROPERTY OWNER AND OPERATOR INFORMATION

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ATTACHMENT G
SECTION IX: OWNER AND OPERATOR INFORMATION

Site Owners

Ownership records for the Site were researched on the Automated City Register Information System (ACRIS) website. The most recent deed is provided in this attachment.

The current site owner is Johnson Ingraham Associates LLC. The prospective purchaser and Requestor, Cody Avenue Owner, LLC, has no relationship to the current Site owners, or to prior owners or operators responsible for any discharge or release of hazardous substances or petroleum at or near the Site.

Former owners of the Site are included in Table G-2. Current and former telephone numbers of the previous property owners are not available.

Sole member of the Requestor is Cody Avenue Owner, LLC. Pursuant to the Written Consent of Managing Member provided as Attachment I, Kas Sanandaji is authorized to execute the BCA on behalf of the Requestor.

Site Operators

The Site is currently vacant. There is no relationship between the Requestor and any of the previous known owners or operators.

Current and previous operators of the property have been identified based on the review of Sanborn Fire Insurance Maps, City Directory Abstract, and Radius Map Report. The Site consisted of a two-story bowling alley and hall with basement with a shed and is identified as summer garden in 1902. In 1904, the building is depicted as a two-story commercial "store" building with a dance hall. In 1936, the building has expanded to the north and is depicted as a one- and two-story building labeled as the Ridgewood Laundry Inc. that operates by power and heat steam with a residential unit on the second floor. In 1950, the building is labeled as New Ridgewood Laundry Inc. In 1980, the one- and two-story building is labeled as a heating and air conditioning manufacturer. No changes are shown through 1988. In 1990, the one- and two-story building was expanded with an additional storage room. Site conditions appear generally the same between 1990 and 2006. The City Directory identified the former tenants as a fluorescent fixture company and a metal specialty company in 1962; Shell Oil Co, Shell Metal Manufacturing Corp, and Modell Industries Inc. in 1967; and metal fabrication operations between 1970 and 2005. The last Site operators were Mind Hand Company and two woodworking tenants. Operators for the Site are included in Table G-3. Operator information is not available for most time periods.

Sanborn Fire Insurance Maps, City Directory Abstract, and Radius Report Map Report provided in the Phase I ESA provided in Attachment D.

Table G-2: Previous Owners

Date	Document Type	First Party	Second Party	First Party Address	First Party Relationship to Applicant
5/8/1978	DEED	Zwiren David (Executor of)	1663 Cody St Corp	104-20 Queens Boulevard, Forest Hills, NY	None
12/18/1995	DEED	1663 Cody St Corp	1663 Realty Corp.	1663 Cody St., Ridgewood, NY	None
11/19/2004	DEED	1663 Realty Corp.	1663 Realty, LLC	1663 Cody St., Ridgewood, NY	None
1/3/2008	DEED	1663 Realty, LLC	Johnson Ingraham Associates LLC	1663 Cody St., Ridgewood, NY	None
1/3/2008	LEASE	New York City Industrial Development Agency	Johnson Ingraham Associates LLC	110 William Street, New York, NY	None
1/3/2008	LEASE	Johnson Ingraham Associates LLC	New York City Industrial Development Agency	1663 Cody Avenue, Ridgewood, NY	None
1/3/2008	LEASE	Johnson Ingraham Associates LLC	J.V. Woodworking, Inc	1663 Cody Avenue, Ridgewood, NY	None
1/3/2008	LEASE	Johnson Ingraham Associates LLC	Mind, Hand and Company, Inc	1663 Cody Avenue, Ridgewood, NY	None
1/3/2008	LEASE	Johnson Ingraham Associates LLC	Oh-Show Woodworking Studio	1663 Cody Avenue, Ridgewood, NY	None

Reference: New York City Department of Finance Automated City Register Information System (ACRIS) website: https://a836-acris.nyc.gov/DS/DocumentSearch/Index.

Table G-3: Previous Operators

Name	Relationship to Property	Last Known Contact Information	Relationship to Applicant
16-63 Cody Avenue			
Eurocraft Builders	Operator (2017)	(917) 909-1605	None
Cody Woodworks	Operator (2014)	(718) 416-1526	None
JV Woodworking	Operator (2009-2014)	(718) 628-6309	None
M&M Mechanical LLC	Operator (2005-2009)	Unavailable	None
Mind Hand & Co Inc	Operator (2009)	(212) 629-4028	None
Steel & Duct Fabrication Inc	Operator (1999-2005)	(800) 220-6902	None
Industrial Metal Fabricators	Operator (1970-1994)	Unavailable	None
Service Engnrng & Refrigratn	Operatore (1970-1994)	Unavailable	None
Modell Indstries Inc	Operator (1967)	Unavailable	None
Shell Metal Mfg Corp	Operator (1967)	Unavailable	None
Shell Oil Co	Operator (1967)	Unavailable	None
Bloch B Mtl Spclties	Operator (1962)	Unavailable	None
Legion Fluorescent Fixt Co Inc	Operator (1962)	Unavailable	None

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2008011400320001001ECBE7

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 4**

Document ID: 2008011400320001 Document Date: 01-03-2008 Preparation Date: 01-14-2008
Document Type: DEED
Document Page Count: 3

PRESENTER:
PHILIP OHARA ASSOCIATES, AS AGENT FOR
CHICAGO TITLE INSURANCE COMPANY
140 REMSEN STREET ***PICK-UP RSR***
BROOKLYN, NY 11201
718-875-7506
info@pohassociates.com QTB-37454(SM)

RETURN TO:
KATZ & KATZ, ESQS.
41 MADISON AVENUE, 40TH FLOOR, SUITE 4000
NEW YORK, NY 10010
ATTN: ANDREA KATZ RITSCHER, ESQ.

PROPERTY DATA

Borough	Block	Lot	Unit	Address
QUEENS	3556	61	Entire Lot	1663 CODY AVENUE

Property Type: COMMERCIAL REAL ESTATE

CROSS REFERENCE DATA

CRFN_____ *or* Document ID_____ *or* _____ Year____ Reel ___ Page ____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
1663 REALTY, LLC
1663 CODY STREET
RIDGEWOOD, NY 11385

GRANTEE/BUYER:
JOHNSON INGRAHAM ASSOCIATES LLC
519 W.. 26TH STREET
NEW YORK, NY 10001

FEES AND TAXES

Mortgage		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	52.00
Affidavit Fee:	$	0.00

Filing Fee:	
$	165.00
NYC Real Property Transfer Tax:	
$	56,437.50
NYS Real Estate Transfer Tax:	
$	8,600.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 01-25-2008 13:25
City Register File No.(CRFN):
2008000035148

City Register Official Signature

NY005 - Bargain and Sale Deed with Covenant against Grantor's Acts Individual or Corporation (Single Sheet) (NYBTU 8002)

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT – THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY

THIS INDENTURE, made the 3rd day of January , in the year 2008
BETWEEN

1663 Realty, LLC, a limited liability company with its principal place of business located at 1663 Cody Street, Ridgewood, New York 11385

party of the first part, and

Johnson Ingraham Associates LLC, a limited liability company with its principal place of business located at 519 W. 26 Street, New York, New York 10001

party of the second part,
WITNESSETH, that the party of the first part, in consideration of Ten Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the

Tax Map Designation

Dist.

Sec.

Blk. 3556

Lot(s) 61

See "Schedule A" attached hereto and made a part herein

Said premises is also known and described as 1663 Cody Avenue, Ridgewood, New York 11385 and by Block 3556 Lot 61

Being and intended to be the same premises conveyed to the party of the first part by deed dated 11/19/2004 and recorded 1/4/2005 under CRFN 2005000004500

TOGETHER with all right, title and interest, if any, of the party of the first part of, in and to any streets and roads abutting the above-described premises to the center lines thereof; **TOGETHER** with the appurtenances and all the estate and rights of the party of the first part in and to said premises; **TO HAVE AND TO HOLD** the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been incumbered in any way whatever, except as aforesaid.
AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.
The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

1663 Realty, LLC
by Barbara Pryor, authorized Signatory

State of New York, County of NY } ss.:

On the 31 day of January in the year 2008 before me, the undersigned, personally appeared Barbara Pryer, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

SUSAN B. HUTCHISON
Notary Public, State of New York
No. 01HU4772183
Qualified in Richmond County
Commission Expires March 30, 2010

ACKNOWLEDGMENT FORM FOR USE WITHIN NEW YORK STATE ONLY:
{New York Subscribing Witness Acknowledgment Certificate}

State of New York, County of } ss.:

On the day of in the year before me, the undersigned, personally appeared , the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he/she/they reside(s) in *(if the place of residence is in a city, include the street and street number, if any, thereof)*; that he/she/they know(s) to be the individual described in and who executed the foregoing instrument; that said subscribing witness was present and saw said execute the same; and that said witness at the same time subscribed his/her/their name(s) as a witness thereto.

State of New York, County of } ss.

On the day of in the year before me, the undersigned, personally appeared , personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

SEAL

ACKNOWLEDGMENT FORM FOR USE OUTSIDE NEW YORK STATE ONLY:
{Out of State or Foreign General Acknowledgment Certificate}

. . . . . } ss.:
{Complete Venue with State, Country, Province or Municipality}

On the day of in the year before me, the undersigned, personally appeared , personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), that by his/her/ their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument, and that such individual made such appearance before the undersigned in the

(Insert the city or other political subdivision and the state or country or other place the acknowledgment was taken).

BARGAIN & SALE DEED
WITH COVENANTS AGAINST GRANTOR'S ACTS

TITLE NO. Q-37454

1663 Realty LLC

TO

Johnson Ingraham Associates, LLC

DISTRICT
SECTION
BLOCK 3556
LOT 61
COUNTY OR TOWN Queens

RECORDED AT REQUEST OF
Fidelity National Title Insurance Company
RETURN BY MAIL TO

Katz & Katz, Esqs.
41 Madison Avenue
40th Floor
Suite 4000
New York, New York 10010
Att: Andrea Katz Ritscher, Esq.

FIDELITY NATIONAL TITLE INSURANCE COMPANY
"Appreciate the Fidelity Difference"
Member New York State Land Title Association

RESERVE THIS SPACE FOR USE OF RECORDING OFFICE

CHICAGO TITLE INSURANCE COMPANY

Schedule A Description

Title Number QTB-37454

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough and County of Queens, City and State of New York, bounded and described as follows:

BEGINNING at a point on the westerly side of Cody Street a/k/a Cody Avenue (Evergreen Street - Washington Street), 45 feet wide, distant 91.30 feet southerly from the corner formed by the intersection of said westerly side of Cody Street with the southerly side of Cypress Avenue (Cypress Hill - Plank Road), 60.05 feet wide;

RUNNING THENCE southerly along said westerly side of Cody Street along an arc of a curve having a radius of 5776.269 feet, 170.76 feet to a point;

THENCE still southerly along said westerly side of Cody Street, 21.12 feet;

THENCE southwesterly still along said westerly side of Cody Street (as is widened and curves laid out 50 feet wide) forming an interior angle of 140 degrees 04 minutes 27.9 seconds with the last mentioned course, 6.40 feet;

THENCE westerly along a line forming an interior angle of 117 degrees 03 minutes 19.2 seconds with the last mentioned course, 132.77 feet;

THENCE northerly along a line forming an interior angle of 79 degrees 07 minutes 20.8 seconds with the last mentioned course, 85.40 feet;

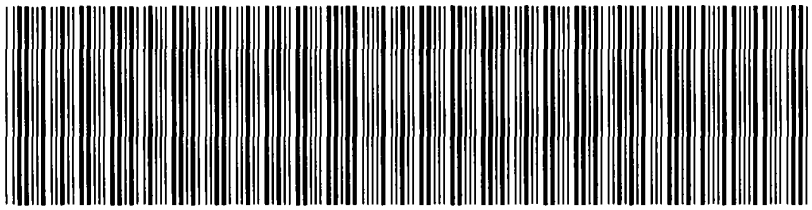
THENCE northwesterly along a line forming an interior angle of 256 degrees 57 minutes 20 seconds with the last mentioned course, 6.81 feet;

THENCE northerly along a line forming an interior angle of 113 degrees 56 minutes 29.9 seconds with the last mentioned course, 108.10 feet;

THENCE southeasterly along a line forming an interior angle of 78 degrees 33 minutes 30.8 second with the last mentioned course, 46.89 feet;

THENCE continuing easterly along a line forming an interior angle of 202 degrees 58 minutes 49 seconds with the last mentioned course, 40.32 feet to the westerly side of Cody Street at the point or place of BEGINNING.

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER



2008011400320001001S0566

SUPPORTING DOCUMENT COVER PAGE **PAGE 1 OF 1**

Document ID: 2008011400320001 Document Date: 01-03-2008 Preparation Date: 01-14-2008
Document Type: DEED

ASSOCIATED TAX FORM ID: 2007121900402

SUPPORTING DOCUMENTS SUBMITTED:

	Page Count
RP - 5217 REAL PROPERTY TRANSFER REPORT	2

FOR CITY USE ONLY

C1. County Code | | C2. Date Deed Recorded | / / | Month Day Year

C3. Book OR C5. CRFN | | C4. Page | |

REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

(Rev 11/2002)

PROPERTY INFORMATION

1. Property Location: 1663 (STREET NUMBER) | CODY AVENUE (STREET NAME) | QUEENS (BOROUGH) | 11385 (ZIP CODE)

2. Buyer Name: JOHNSON INGRAHAM ASSOCIATES LLC (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

3. Tax Billing Address: Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form) (LAST NAME / COMPANY) | (FIRST NAME)

(STREET NUMBER AND STREET NAME) | (CITY OR TOWN) | (STATE) | (ZIP CODE)

4. Indicate the number of Assessment Roll parcels transferred on the deed: 1 # of Parcels OR ☐ Part of a Parcel

4A. Planning Board Approval - N/A for NYC

4B. Agricultural District Notice - N/A for NYC

5. Deed Property Size: (FRONT FEET) X (DEPTH) OR (ACRES)

Check the boxes below as they apply:

6. Ownership Type is Condominium ☐

7. New Construction on Vacant Land ☐

8. Seller Name: 1663 REALTY, LLC (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

9. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐	One Family Residential	C ☐	Residential Vacant Land	E ☑	Commercial	G ☐	Entertainment / Amusement	I ☐	Industrial
B ☐	2 or 3 Family Residential	D ☐	Non-Residential Vacant Land	F ☐	Apartment	H ☐	Community Service	J ☐	Public Service

SALE INFORMATION

10. Sale Contract Date: 4 / 24 / 2007 (Month Day Year)

11. Date of Sale / Transfer: 1 / 3 / 2008 (Month Day Year)

12. Full Sale Price $: 2,150,000

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) *Please round to the nearest whole dollar amount.*

13. Indicate the value of personal property included in the sale:

14. Check one or more of these conditions as applicable to transfer:

A	☐	Sale Between Relatives or Former Relatives
B	☐	Sale Between Related Companies or Partners in Business
C	☐	One of the Buyers is also a Seller
D	☐	Buyer or Seller is Government Agency or Lending Institution
E	☐	Deed Type **not** Warranty or Bargain and Sale (Specify Below)
F	☐	Sale of Fractional or Less than Fee Interest (Specify Below)
G	☐	Significant Change in Property Between Taxable Status and Sale Dates
H	☐	Sale of Business is Included in Sale Price
I	☐	Other Unusual Factors Affecting Sale Price (Specify Below)
J	☑	None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class: F 9

16. Total Assessed Value (of all parcels in transfer):

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s))

QUEENS 3556 61

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

Johnson Ingraham Associates LLC BUYER

By: [signature] (BUYER SIGNATURE) | 1/3/08 (DATE)

11663 (STREET NUMBER) | Cody Avenue (STREET NAME (AFTER SALE))

Ridgewood (CITY OR TOWN) | NY (STATE) | 11385 (ZIP CODE)

BUYER'S ATTORNEY

Katz (LAST NAME) | Andrea (FIRST NAME)

212 (AREA CODE) | 532-1225 (TELEPHONE NUMBER)

SELLER

[signature] (SELLER SIGNATURE) | 1/3/08 (DATE)

2007121900402201

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER

Johnson Ingraham Associates LLC

BUYER SIGNATURE | DATE: 1/3/08

STREET NUMBER | STREET NAME (AFTER SALE)

CITY OR TOWN | STATE | ZIP CODE

BUYER'S ATTORNEY

Katz | Andrea

LAST NAME | FIRST NAME

212 | 532-1225

AREA CODE | TELEPHONE NUMBER

SELLER

SELLER SIGNATURE | DATE: 1/3/08

2007121900402201

The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

www.nyc.gov/dep

Customer Registration Form for Water and Sewer Billing

Property and Owner Information:

(1) Property receiving service is located in the Borough of **QUEENS**
Block: **3556** Lot: **61**

(2) Account Number (if applicable):
Meter Number (if available–include the letter):

(3) Street Address of Property Receiving Service:
Street **1663 CODY AVENUE** City **NY** State **NY** Zip **11385**

(4) Full name, mailing address, home phone and business phone numbers of owner of property receiving service: (please provide information on owner ONLY; do NOT give information on property manager or tenant):
Owner's Name Business: **JOHNSON INGRAHAM ASSOCIATES LLC**
or Individual:
(Last Name) (First Name) (MI)
Street **519 W.. 26TH STREET** City **NEW YORK** State **NY** Zip **10001**
Home Phone(Numbers only): Business Phone(Numbers only):

Customer Billing Information:

PLEASE NOTE:

A. Water and sewer charges are the legal responsibility of the owner of a property receiving water and/or sewer service. The owner's responsibility to pay such charges is not affected by any lease, license or other arrangement, or any assignment of responsibility for payment of such charges.

B. Water and sewer charges constitute a lien on the property until paid. In addition to legal action against the owner, a failure to pay such charges when due may result in foreclosure of the lien by the City of New York, or the property being placed in a lien sale by the City.

C. Original bills for water and/or sewer service will be mailed to the owner, at the owner's address specified on this form. DEP will provide a duplicate copy of bills to one other party (such as a managing agent) if so requested below, provided, however, that any failure or delay by DEP in providing duplicate copies of bills shall in no way relieve the owner from his/her/its liability to pay all outstanding water and sewer charges.

(5) If you would like a duplicate copy of bills sent to another party, please check here ☐ and fill out the following information:
Name of Party to Receive Duplicate Copies of Bills:

(6) Mailing Address: Street City State Zip

(7) Relationship to Owner (check one): Managing Agent ☐ Mortgagee ☐
Tenant ☐ Other (please explain):

Owner's Approval

The undersigned certifies that he/she/it is the owner of the property receiving service referenced above; that he/she/it has read and understands Paragraphs A, B, C under the section captioned "Customer Billing Information"; and that the information supplied by the undersigned on this form is true and complete to the best of his/her/its knowledge.

(8) E-mail:

(9) Name of Owner:

(10) Signature: _____

Name and Title of Person Signing for Owner, if applicable:

Date(mm/dd/yyyy): / /

2007121900402101

ATTACHMENT H

SECTION XI: SITE CONTACT LIST

LANGAN

ATTACHMENT H
SECTION XI: CONTACT LIST INFORMATION

Item 1 Response

Chief Executive Officer
New York City Mayor
Eric Adams (Mayor)
City Hall
260 Broadway Avenue
New York, NY 10007

New York City Planning Commission Chairman and Director of City Planning
Dan Garodnick
Department of City Planning
120 Broadway, 31st Floor
New York, NY 10271

Borough of Queens, Borough President
Donovan Richards Jr. (Borough President)
120-55 Queens Boulevard
One Clair Shulman Way
Kew Gardens, NY 11424

Borough of Queens, Community District 5
Vincent Arcuri Jr., Chairperson
61-23 Myrtle Avenue
Glendale, NY 11385

New York City Council, Council District 34
Jennifer Gutierrez, Councilwoman
244 Union Avenue
Brooklyn, NY 11211

Item 2 Response

Residents, owners, and occupants of the site:

The site is owned by Johnson Ingraham Associates LLC with a mailing address of:

519 W 26th Street
New York, NY 10001

The property owners have provided proof of site access in Attachment F.

The Site is operated by Mind Hand Company with contact information of:

16-63 Cody Avenue
Queens, NY 11385
(212) 629-4028

Adjacent properties include:

1660 Decatur Street
Ridgewood, NY 11385
Block 3556, Lot 36
Owner: 1660 Decatur Street LLC
c/o Jovani
1370 Broadway, 4th Floor
New York, NY 10018

1659 Cody Avenue
Ridgewood, NY 11385
Block 3566, Lot 27
Owner: ABC Real Estate
Larry A Stempler
293 Eisenhower Parkway
Livingston, NJ 07039

1114 Cypress Avenue
Ridgewood, NY 11385
Block 3556, Lot 56
Owner: Karen Feliz, Katherine Feliz
25 Boerum Street, Apt 12C
Brooklyn, NY 11206

1116 Cypress Avenue
Ridgewood, NY 11385
Block 3556, Lot 56
Owner: Cypress Ridgewood Properties LLC
c/o Rosabiance & Associates, LLC
40 Wall Street, 31st Floor
New York, NY 10005

16-77 Cody Avenue
Ridgewood, NY 11385
Block 3556, Lot 59
Owner: 16-77 Cody Avenue, LLC
20 Broadway, Apt 301
Brooklyn, NY 11249

Wyckoff Avenue
Block 3557, Lot 1
Owner: Long Island Rail Rd/Co
Jamaica Station
Jamaica, NY 11435
New York, NY 10021

Item 3 Response

Local news media from which the community typically obtains information:

Local newspaper
Ridgewood Times
6071 Woodbine St
Queens, NY 11385

Local television
Queens Public Television
41-61 Kissena Blvd #2077
Queens, NY 11355

Item 4 Response

The public water supplier which services the area in which the property is located:

The responsibility for supplying water in New York City is shared between the NYC Department of Environmental Protection (NYCDEP), the Municipal Water Finance Authority, and the New York City Water Board:

NYCDEP
Rohit T. Aggarwala, Commissioner
59-17 Junction Boulevard
Flushing, NY 11373

New York City Municipal Water Finance Authority
255 Greenwich Street, 6th Floor
New York, NY 10007

New York City Department of Environmental Protection
Bureau of Environmental Planning and Analysis
59-17 Junction Boulevard, 11th Floor
Flushing, NY 11373

Item 5 Response

Any person who has requested to be placed on the contact list:

We are unaware of any requests for inclusion on the contact list.

Item 6 Response

The administrator of any school or day care facility located on or near the site:

There are no schools or day care facilities located on the site. The following are schools or day care facilities located within a ½-mile radius of the site:

P.S. 068 Cambridge – (approximately 820 feet northeast of the site)
Superintendent: Teresa Caccavale
59-09 Saint Felix Avenue
Queens, NY 11385

Joseph F. Quinn Intermediate School 77 – (approximately 1,430-feet northwest of the site)
Superintendent: Teresa Caccavale
976 Seneca Avenue
Ridgewood, NY 11385

P.S 239 – (approximately 1,430-feet northwest of the site)
Principal: Nina Morris
17-15 Weirfield Street
Ridgewood, NY 11385

The Greater Ridgewood Youth Council, Inc – (approximately 1,490 feet north of the site)
Director: Janine Mahon
59-03 Summerfield Street
Ridgewood, NY 11385

Robert E. Peary School - (approximately 1,690 feet northwest of the site)
Superintendent: Ketler Louissaint
1666 Hancock Street
Ridgewood, NY 11385

Life-Audrey Johnson Learning Center – (approximately 2,265 feet southwest of the site)
Education Director: Evelyn Peterkin
272 Moffat Street
Brooklyn, NY 11207

PS 151 Lyndon B Johnson - (approximately 2,265 feet southwest of the site)
Principal: Jayne Hunt
763 Knickerbocker Avenue
Brooklyn, NY 11207

PS 384 Frances E. Carter - (approximately 2,310 feet southwest of the site)
Superintendent: Rebecca Lozada
242 Cooper Street
Brooklyn, NY 11207

Bushwick Ascend Lower School - (approximately 2,395 feet west of the site)
Principal: Lisa Roach
751 Knickerbocker Avenue
Brooklyn, NY 11207

St Matthias Catholic Academy – (approximately 2,550-feet northwest of the site)
Principal: Keri Ann Wade Donohue
58-25 Catalpa Avenue
Ridgewood, NY 11385

Item 7 Response

The location of the document repository for the project (e.g., local library):

Queens Public Library at Ridgewood
20-12 Madison Street
Queens, NY 11385
(718) 821-4770

Borough of Queens, Community Board 5
61-23 Myrtle Avenue
Glendale, NY 11385
(718) 366-1834

Acknowledgement from the library and the community board accepting that they agree to act as document repositories for the project are included in this attachment.

LANGAN

Technical Excellence
Practical Experience
Client Responsiveness

11 August 2023

Queens Public Library at Ridgewood
20-12 Madison Street
Queens, NY 11385

Re: Brownfield Cleanup Program Application
16-63 Cody Avenue Redevelopment Site
16-63 Cody Avenue
Ridgewood, New York 11385
Langan Project No.: 101015501

To Whom This May Concern:

We represent Cody Avenue Owner, LLC in their anticipated New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) application for the above-referenced site at 16-63 Cody Avenue in Ridgewood, Queens, New York. It is a NYSDEC requirement that we supply them a letter certifying that the local library is willing and able to serve as a digital public repository for all documents pertaining to the cleanup of this property. Please sign below if you are able to certify that your library would be willing and able to act as the temporary public repository for this BCP project through December 2025.

Sincerely,
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

Christopher McMahon, CHMM
Associate

Yes, the Queens Public Library at Ridgewood is willing and able to act as a digital public repository for this BCP project through December 2025, on behalf of Cody Avenue Owner, LLC in their cleanup of 16-63 Cody Avenue under the NYSDEC BCP.

Maryanne Olson
(Signature)

8/14/23
(Date)

Maryanne Olson, Community Library Manager
(First Name, Last Name, Title)

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LANGAN

Technical Excellence
Practical Experience
Client Responsiveness

11 August 2023

Via email: qn05@cb.nyc.gov
Gary Giordano, District Manager
Queens Community Board 5
61-23 Myrtle Avenue
Glendale, NY 11385

Re: Brownfield Cleanup Program Application
16-63 Cody Avenue Redevelopment Site
16-63 Cody Avenue
Ridgewood, New York 11385
Langan Project No.: 101015501

Dear Mr. Giordano:

We represent Cody Avenue Owners, LLC in their anticipated New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) application for the above-referenced site at 16-63 Cody Avenue in Ridgewood, Queens, New York. It is a NYSDEC requirement that we supply them a letter certifying that the local community board is willing and able to serve as a public repository for all documents pertaining to the cleanup of this property. Please sign below if you are able to certify that your office would be willing and able to act as the temporary public repository for this BCP project through December 2025.

Sincerely,
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

Christopher McMahon, CHMM
Associate

Yes, the Queens Community Board 5 is willing and able to act as a public repository on behalf of Cody Avenue Owners, LLC in their cleanup of 16-63 Cody Avenue under the NYSDEC BCP.

Gary Giordano
(Signature)

August 14, 2023
(Date)

Gary Giordano - District Manager
(First Name, Last Name, Title)

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ATTACHMENT I

SECTION XII: STATEMENT OF CERTIFICATION AND SIGNATURES

16-63 CODY AVENUE, QUEENS, NY