

BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION FORM

DEC requires an application to request major changes to the des					
Brownfield Cleanup Agreement, or "BCA" (e.g., adding a significant amount of new property, or adding property that could affect an eligibility determination due to contamination levels or intended land use). Such application must be submitted and processed in the same manner as the original application,					
including the required public comment period. Is this an applicat					
Yes No If yes, provide existi	ng site number:				
PART A (note: application is separated into Parts A and B for					
Section I. Requestor Information - See Instructions for Fur	ther Guidance DEC USE ONLY BCP SITE #:				
NAME BFC 475 Residential LLC					
ADDRESS C/O BFC Partners, 150 Myrtle	Avenue, Suite 2				
CITY/TOWN Brooklyn, New York ZIF	CODE 11201				
PHONE 718-422-9999 ext. 137 FAX 718-422-9960	E-MAIL dcapoccia@bfcnyc.com				
 Is the requestor authorized to conduct business in New York St If the requestor is a Corporation, LLC, LLP or other entity Department of State to conduct business in NYS, the result above, in the NYS Department of State's Corporation & entity information from the database must be submitted Environmental Conservation (DEC) with the application to do business in NYS. Please note: If the requestor is be provided on a separate attachment. Included in Attachment Do all individuals that will be certifying documents meet the requestor in Individuals that will be certifying BCP documents, as we of Section 1.5 of DER-10: Technical Guidance for Site Individuals that Education Law. Documents that are approved under the BCP. 	ty requiring authorization from the NYS questor's name must appear, exactly as given Business Entity Database. A print-out of to the New York State Department of to document that the requestor is authorized an LLC, the members/owners names need to tall uirements detailed below? Yes No ell as their employers, meet the requirements nvestigation and Remediation and Article 145				
Section II. Project Description Included in Attachment B					
1. What stage is the project starting at? Investigat	ion Remediation				
NOTE: If the project is proposed to start at the remediation sat a minimum is required to be attached, resulting in a 30-da Analysis and Remedial Work Plan are also attached (see Dinvestigation and Remediation for further guidance) then a	ay public comment period. If an Alternatives ER-10 / Technical Guidance for Site				
2. If a final RIR is included, please verify it meets the requirem	ents of Environmental Conservation Law				
(ECL) Article 27-1415(2): Yes ✓ No					
3. Please attach a short description of the overall development	t project, including:				
the date that the remedial program is to start; and					
the date the Certificate of Completion is anticipated.					

Section III. Property's En	Section III. Property's Environmental History				
establish contamination of Guidance (SCGs) based o To the extent that existing following (<i>please submit t</i> 1. Reports: an example prepared in accordance	environmental media on to the reasonably anticipate information/studies/reports the information requested of an Investigation Report with the latest American it a separate electronic of the information o	rt (per ECL 27-1407(1)). The inchesite above applicable Stan ed use of the property. It is are available to the requested in this section in electron is a Phase II Environmental States of Society for Testing and Mate copy of each report in Portal	or, please attach the ic format only): Site Assessment report rials standard (ASTM		
		ANTS AND THE MEDIA WHICH D BE REFERENCED AND COP			
Contaminant Category	Soil	Groundwater	Soil Gas		
Petroleum					
Chlorinated Solvents			X		
Other VOCs	X		X		
SVOCs	X	X			
Metals	X	X			
Pesticides	X				
PCBs	X				
Other*		X			
*Please describe: Per- and p	oolyfluoroalkyl substances (PF	FOA and PFOS)			
Please describe: Per- and polyfluoroalkyl substances (PFOA and PFOS) 3. FOR EACH IMPACTED MEDIUM INDICATED ABOVE, INCLUDE A SITE DRAWING INDICATING: SAMPLE LOCATION DATE OF SAMPLING EVENT KEY CONTAMINANTS AND CONCENTRATION DETECTED FOR SOIL, HIGHLIGHT IF ABOVE REASONABLY ANTICIPATED USE FOR GROUNDWATER, HIGHLIGHT EXCEEDANCES OF 6NYCRR PART 703.5 FOR SOIL GAS/ SOIL VAPOR/ INDOOR AIR, HIGHLIGHT IF ABOVE MITIGATE LEVELS ON THE NEW YORK STATE DEPARTMENT OF HEALTH MATRIX THESE DRAWINGS ARE TO BE REPRESENTATIVE OF ALL DATA BEING RELIED UPON TO MAKE THE CASE THAT THE SITE IS IN NEED OF REMEDIATION UNDER THE BCP. DRAWINGS SHOULD NOT BE BIGGER THAN 11" X 17". THESE DRAWINGS SHOULD BE PREPARED IN ACCORDANCE WITH ANY GUIDANCE PROVIDED. ARE THE REQUIRED MAPS INCLUDED WITH THE APPLICATION? (*answering No will result in an incomplete application) AUTICATE 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: Carpenter shop, automobile dismantling facility, lumber yard, coal yard, sand and gravel yard, auto painting and repair, unidentified manufacturing, iron works					
		2			

Section IV. Property Information - See Instruction	s for Fu	rther Guida	nce Included	in Attachment D	
PROPOSED SITE NAME 475 Bay Street and 31 Way	/e Stree	t			
ADDRESS/LOCATION 475 Bay Street and 31 Wave	Street				
CITY/TOWN Staten Island, New York ZIP C	ODE 10	304			
MUNICIPALITY(IF MORE THAN ONE, LIST ALL): Borou	ugh of S	staten Island	d, New Yor	k City	
COUNTY Richmond	S	ITE SIZE (AC	RES) 1.53	acres	
LATITUDE (degrees/minutes/seconds) 40 ° 37 ' 49 "	LONG -74	TUDE (degre	es/minutes/se	,	34 "
Complete tax map information for all tax parcels included proposed, please indicate as such by inserting "P/O" in finclude the acreage for that portion of the tax parcel in the PER THE APPLICATION INSTRUCTIONS.	ront of th	e lot number	in the approp	riate box belo	ow, and only
Parcel Address		Section No.	Block No.	Lot No.	Acreage
475 Bay Street, Staten Island, New York		5	488	9	1.22
31 Wave Street, Staten Island, New York	(5	488	157, 162, 164	0.31
Do the proposed site boundaries correspond to tall If no, please attach an accurate map of the propose.	•	etes and bo	unds?	✓ Yes	No
2. Is the required property map attached to the application?					
3. Is the property within a designated Environmental Zone (En-zone) pursuant to Tax Law 21(b)(6)? (See DEC's website for more information) Yes ✓ No □					
If yes, identify census tract : Census Tract 21					
Percentage of property in En-zone (check one):	0-49		50-99%	✓ 100%)
4. Is this application one of multiple applications for a large development project, where the development project spans more than 25 acres (see additional criteria in BCP application instructions)? ☐ Yes ✓ No					
If yes, identify name of properties (and site numbers if available) in related BCP applications:					
5. Is the contamination from groundwater or soil vapor subject to the present application?	or solely	emanating f	rom propert	y other than Ye	
 Has the property previously been remediated purs ECL Article 56, or Article 12 of Navigation Law? If yes, attach relevant supporting documentation. 	suant to ⁻	Fitles 9, 13, o	or 14 of ECL	Article 27, Type	
7. Are there any lands under water? If yes, these lands should be clearly delineated on	the site	map.		∐Y€	es 🗸 No

Section IV. Property Information (continued)	
8. Are there any easements or existing rights of way that would preclude remediation in If yes, identify here and attach appropriate information. *Not Applicable	these areas? ☐ Yes ✓ No
Easement/Right-of-way Holder Descri	iption
 List of Permits issued by the DEC or USEPA Relating to the Proposed Site (type her information) *Not Applicable 	re or attach
Type Issuing Agency	<u>Description</u>
 Property Description and Environmental Assessment – please refer to application the proper format of <u>each</u> narrative requested. 	instructions for
Are the Property Description and Environmental Assessment narratives included in the prescribed format? Included in Attachment D	✓ Yes No
Note: Questions 11 through 13 only pertain to sites located within the five counties comprising	New York City
11. Is the requestor seeking a determination that the site is eligible for tangible property credits?	tax Yes No
If yes, requestor must answer questions on the supplement at the end of this form.	
12. Is the Requestor now, or will the Requestor in the future, seek a determination that the property is Upside Down?	on Yes No
13. If you have answered Yes to Question 12, above, is an independent appraisa 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 in the participate in the BCP, the applicant may seek this determination at any time be a certificate of completion by using the BCP Amendment Application, <u>except</u> for eligibility under the underutilized category.	fore issuance of
If any changes to Section IV are required prior to application approval, a new page, initial	ed by each requestor
must be submitted.	
Initials of each Requestor:	

BCP application - PART B (note: application is separated into Parts A and B for DEC review purposes) Section V. Additional Requestor Information BCP SITE NAME: See Instructions for Further Guidance BCP SITE #: NAME OF REQUESTOR'S AUTHORIZED REPRESENTATIVE Donald Capoccia, BFC 475 Residential LLC ADDRESS C/O BFC Partners, 150 Myrtle Avenue, Suite 2 CITY/TOWN Brooklyn, New York **ZIP CODE 11201** FAX 718-422-9960 PHONE 718-422-9999 E-MAIL dcapoccia@bfcnyc.com NAME OF REQUESTOR'S CONSULTANT Michael Burke - Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C ADDRESS 360 West 31st Street, 8th Floor CITY/TOWN New York, New York **ZIP CODE 10001** FAX 212-479-5444 PHONE 212-479-5413 E-MAIL mburke@langan.com NAME OF REQUESTOR'S ATTORNEY Michael Bogin of Sive, Paget & Riesel, P.C. ADDRESS 560 Lexington Avenue, 15th Floor **ZIP CODE 10022** CITY/TOWN New York, New York PHONE 646-378-7210 FAX 212-421-2035 E-MAIL mbogin@sprlaw.com Attachment E Section VI. Current Property Owner/Operator Information – if not a Requestor CURRENT OWNER'S NAME Same as Requestor OWNERSHIP START DATE: **ADDRESS** CITY/TOWN ZIP CODE FAX **PHONE** E-MAIL CURRENT OPERATOR'S NAME Same as Requestor **ADDRESS** ZIP CODE CITY/TOWN **FAX PHONE** E-MAIL PROVIDE A LIST OF PREVIOUS PROPERTY OWNERS AND OPERATORS WITH NAMES, LAST KNOWN ADDRESSES AND TELEPHONE NUMBERS AS AN ATTACHMENT. DESCRIBE REQUESTOR'S RELATIONSHIP, TO EACH PREVIOUS OWNER AND OPERATOR, INCLUDING ANY RELATIONSHIP BETWEEN REQUESTOR'S CORPORATE MEMBERS AND PREVIOUS OWNER AND OPERATOR. IF NO RELATIONSHIP, PUT "NONE". IF REQUESTOR IS NOT THE CURRENT OWNER, DESCRIBE REQUESTOR'S RELATIONSHIP TO THE CURRENT OWNER, INCLUDING ANY RELATIONSHIP BETWEEN REQUESTOR'S CORPORATE MEMBERS AND THE **CURRENT OWNER.** Section VII. Requestor Eligibility Information (Please refer to ECL § 27-1407) If answering "yes" to any of the following questions, please provide an explanation as an attachment. 1. Are any enforcement actions pending against the requestor regarding this site? Yes ✓ No 2. Is the requestor subject to an existing order for the investigation, removal or remediation of contamination at the site? 3. Is the requestor subject to an outstanding claim by the Spill Fund for this site? Any questions regarding whether a party is subject to a spill claim should be discussed with the Spill Fund Administrator. ☐Yes☑No

Se	ction VII. Requestor Eligibility Information (conti	nued)			
4.	Has the requestor been determined in an administrative, civil or criminal proceeding to be in violation of i) any provision of the ECL Article 27; ii) any order or determination; iii) any regulation implementing Title 14; or iv) any similar statute, regulation of the state or federal government? If so, provide an explanation on a separate attachment. ☐ Yes ✓ No				
5.	Has the requestor previously been denied entry to the application, such as name, address, DEC assigned relevant information.				
6.		o have committed a negligent or intentionally tortious			
	Has the requestor been convicted of a criminal offer or transporting of contaminants; or ii) that involves a	violent felony, fraud, bribery, perjury, theft, or offense Article 195 of the Penal Law) under federal law or the			
8.	Has the requestor knowingly falsified statements or jurisdiction of DEC, or submitted a false statement o connection with any document or application submit	concealed material facts in any matter within the r made use of or made a false statement in ted to DEC?			
	Is the requestor an individual or entity of the type set forth in ECL 27-1407.9 (f) that committed an act or failed to act, and such act or failure to act could be the basis for denial of a BCP application? ☐ Yes ✓ No 0. Was the requestor's participation in any remedial program under DEC's oversight terminated by DEC or by a court for failure to substantially comply with an agreement or order? ☐ Yes ✓ No				
11.	Are there any unregistered bulk storage tanks on-si	te which require registration? ☐ Yes ☑No			
	E REQUESTOR MUST CERTIFY THAT HE/SHE IS EITH TH ECL 27-1405 (1) BY CHECKING ONE OF THE BOXE	HER A PARTICIPANT OR VOLUNTEER IN ACCORDANCE S BELOW:			
the dis	PARTICIPANT equestor who either 1) was the owner of the site at time of the disposal of hazardous waste or charge of petroleum or 2) is otherwise a person sponsible for the contamination, unless the liability	VOLUNTEER Attachment F 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.			
arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.		NOTE: By checking this box, a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: i) stop any continuing discharge; ii) prevent any threatened future release; iii) prevent			
		or limit human, environmental, or natural resource exposure to any previously released hazardous waste.			
		If a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site, submit a statement describing why you should be considered a volunteer – be specific as to the appropriate care taken.			

Se	Section VII. Requestor Eligibility Information (continued)				
	questor Relationship to Property (check one): Previous Owner ☑ Current Owner ☑ Potential /Future Purchaser ☑ Other				
be	equestor is not the current site owner, proof of site access sufficient to complete the remediation must submitted . Proof must show that the requestor will have access to the property before signing the BCA d throughout the BCP project, including the ability to place an easement on the site				
Na	Yes No				
	te: a purchase contract does not suffice as proof of access. ction VIII. Property Eligibility Information - See Instructions for Further Guidance				
	Is / was the property, or any portion of the property, listed on the National Priorities List? If yes, please provide relevant information as an attachment. ☐ Yes ✔ No				
2.	Is / was the property, or any portion of the property, listed on the NYS Registry of Inactive Hazardous Waste Disposal Sites pursuant to ECL 27-1305? If yes, please provide: Site # Class #				
3.	Is / was the property subject to a permit under ECL Article 27, Title 9, other than an Interim Status facility? If yes, please provide: Permit type: EPA ID Number: Permit expiration date:				
4.	If the answer to question 2 or 3 above is yes, is the site owned by a volunteer as defined under ECL 27-1405(1)(b), or under contract to be transferred to a volunteer? Attach any information available to the requestor related to previous owners or operators of the facility or property and their financial viability, including any bankruptcy filing and corporate dissolution documentation.				
5.	Is the property subject to a cleanup order under Navigation Law Article 12 or ECL Article 17 Title 10? If yes, please provide: Order # Yes ✓ No				
6.	Is the property subject to a state or federal enforcement action related to hazardous waste or petroleum? If yes, please provide explanation as an attachment. ☐ Yes ✓ No				
Se	ction IX. Contact List Information Included in Attachment G				
<u>DE</u>	be considered complete, the application must include the Brownfield Site Contact List in accordance with ER-23 / Citizen Participation Handbook for Remedial Programs. Please attach, at a minimum, the names daddresses 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 properties adjacent to the property. 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 X. Land Use Factors Included in Attachment H	
1. What is the current municipal zoning designation for the site? R6 & C2-3 What uses are allowed by the current zoning? (Check boxes, below) ✓ Residential ✓ Commercial Industrial If zoning change is imminent, please provide documentation from the appropriate zoning and the site?	uthority.
 Current Use: ☐ Residential ☑ Commercial ☑ Industrial ☑ Vacant ☐ Recreational (checapply) Attach a summary of current business operations or uses, with an emphasis on identic possible contaminant source areas. If operations or uses have ceased, provide the design of the contaminant source areas. 	
3. Reasonably anticipated use Post Remediation: ✓ Residential ✓ Commercial ☐ Industria that apply) Attach a statement detailing the specific proposed use.	(check all
If residential, does it qualify as single family housing?	_Yes √ No
4. Do current historical and/or recent development patterns support the proposed use?	✓ Yes No
Included in Attachment H	
5. Is the proposed use consistent with applicable zoning laws/maps? Briefly explain below, or attach additional information and documentation if necessary. Included in Attachment H	✓ Yes No
6. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, or other adopted land use plans? Briefly explain below, or attach additional information and documentation if necessary.	✓ Yes No
Included in Attachment H	

XI. Statement of Certification and Signatures					
(By requestor who is an individual)					
If this application is approved, I hererby 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 <i>DER-32</i> , <i>Brownfield Cleanup Program Applications and Agreements</i> ; and (3) that in the event of a conflict between the general terms and conditions of participation and the terms contained in a site-specific BCA, the terms in the site-specific BCA shall control. Further, I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.					
Date: Signature:					
Print Name:					
(By a requestor other than an individual)					
I hereby affirm that I am Authorized Signatory (title) of BFC 475 Residential LLC (entity); that I am authorized by that entity to make this application and execute the Brownfield Cleanup Agreement (BCA) and all subsequent amendments; that this application was prepared by me or under my supervision and direction. If this application is approved, I acknowledge and agree: (1) to execute a BCA within 60 days of the date of DEC's approval letter; (2) to the general terms and conditions set forth in the DER-32, Brownfield Cleanup Program Applications and Agreements; and (3) that in the event of a conflict between the general terms and conditions of participation and the terms contained in a site-specific BCA, the terms in the site-specific BCA shall control. Further, I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law. Date:					
SUBMITTAL INFORMATION:					
 Two (2) copies, one paper copy with original signatures and one electronic copy in Portable Document Format (PDF), must be sent to: 					
Chief, Site Control Section					
New York State Department of Environmental Conservation					
Division of Environmental Remediation					
 625 Broadway Albany, NY 12233-7020 					
FOR DEC USE ONLY					
BCP SITE T&A CODE: LEAD OFFICE:					

Supplemental Questions for Sites Seeking Tangible Property Credits in New

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

BCP App Rev 10

Property is in Bronx, Kings, New York, Queens, or Richmond counties.		✓ Yes No
Requestor seeks a determination that the site is eligible for the tangibl brownfield redevelopment tax credit.	e property credit co	omponent of the ✓ Yes ☐ No
Please answer questions below and provide documentation necess	ary to support an	swers.
Is at least 50% of the site area located within an environmental zone Please see DEC's website for more information.	pursuant to NYS T	ax Law 21(b)(6)? ✓ Yes
2. Is the property upside down or underutilized as defined below?	Upside Down?	☐ Yes 🗹 No
From ECL 27-1405(31):	Underutilized?	☐ Yes ✓ No
"Upside down" shall mean a property where the projected and incurre remediation which is protective for the anticipated use of the property equipercent of its independent appraised value, as of the date of submission in the brownfield cleanup program, developed under the hypothetical concontaminated.	uals or exceeds s of the application	eventy-five for participation
From 6 NYCRR 375-3.2(I) as of August 12, 2016: (Please note: Eligib underutilized category can only be made at the time of application)	ility determination	for the
(I) "Underutilized" means, as of the date of application, real profifty percent of the permissible floor area of the building or buildings have been used under the applicable base zoning for at least three 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 or the proposed development could not take place without substancertified by the municipality in which the site is located; and (iii) one or more of the following conditions exists, as certified by the (a) property tax payments have been in arrears for at least five year application; (b) a building is presently condemned, or presently exhibits docume certified by a professional engineer, which present a public health of (c) there are no structures. "Substantial government assistance" shall mean a substantial loan land purchase cost exemption or waiver, or tax credit, or some commovernmental entity.	s is certified by the years prior to the years prior to the ercial and industratial government are applicant: rs immediately prented structural dor safety hazard;	e applicant to e application, ial uses; assistance, as rior to the leficiencies, as or

Sι	opplemental Questions for Sites Seeking Tangible Property Credits in New York City (continued)
3.	If you are seeking a formal determination as to whether your project is eligible for Tangible Property Tax Credits based in whole or in part on its status as an affordable housing project (defined below), you must attach the regulatory agreement with the appropriate housing agency (typically, these would be with the New York City Department of Housing, Preservation and Development; the New York State Housing Trust Fund Corporation; the New York State Department of Housing and Community Renewal; or the New York State Housing Finance Agency, though other entities may be acceptable pending Department review). Check appropriate box, below:
	☐ Project is an Affordable Housing Project - Regulatory Agreement Attached;
	Project is Planned as Affordable Housing, But Agreement is Not Yet Available* (*Checking this box will result in a "pending" status. The Regulatory Agreement will need to be provided to the Department and the Brownfield Cleanup Agreement will need to be amended prior to issuance of the CoC in order for a positive determination to be made.);
	☐ This is Not an Affordable Housing Project.
Fr	om 6 NYCRR 375- 3.2(a) as of August 12, 2016:
se th) "Affordable housing project" means, for purposes of this part, title fourteen of article twenty even of the environmental conservation law and section twenty-one of the tax law only, a project at is developed for residential use or mixed residential use that must include affordable sidential rental units and/or affordable home ownership units.
re re	(1) Affordable residential rental projects under this subdivision must be subject to a federal, ate, or local government housing agency's affordable housing program, or a local government's gulatory agreement or legally binding restriction, which defines (i) a percentage of the residential intal units in the affordable housing project to be dedicated to (ii) tenants at a defined maximum ercentage of the area median income based on the occupants' households annual gross income.
re	(2) Affordable home ownership projects under this subdivision must be subject to a federal, ate, or local government housing agency's affordable housing program, or a local government's gulatory agreement or legally binding restriction, which sets affordable units aside for home where at a defined maximum percentage of the area median income.
sta	(3) "Area median income" means, for purposes of this subdivision, the area median income the primary metropolitan statistical area, or for the county if located outside a metropolitan attistical area, as determined by the United States department of housing and urban velopment, or its successor, for a family of four, as adjusted for family size.

BCP Application Summary (for DEC เ	use only)					
Site Name: 475 Bay Street and 31 Wave Street City: Staten Island, New York		Site Addre County: F	ess: ^{475 Bay S} Richmond	Street and 31 V	Vave Street Zip: 1	
Tax Block & Lot Section (if applicable):	Block:	488	ı	Lot:	9	
Requestor Name: BFC 475 Residentia City: Brooklyn, New York	al LLC		Requestor ip: ₁₁₂₀₁	Address:		rs, 150 Myrtle Avenue, Suite 2 dcapoccia@bfcnyc.com
Requestor's Representative (for billing Name: Donald Capoccia, BFC 475 Residential LLC & City: Brooklyn, New York	ng purpos Address:	ses) c/o BFC	Partners, Zip : 112			nue, Suite 2
Requestor's Attorney Name: Michael Bogin of Sive, Paget & Riesel, P.C. A City: New York, New York	Address:	560 Lexington	Avenue, 15th Zip: 100		Email:	mbogin@sprlaw.com
	e:	0%< agree	Zip: ₁₀ <50%	Floor 0001 50-99%	Email: ✓ 10	mburke@langan.com
For NYC Sites, is the Requestor S	eeking T	「angible P	roperty Cr	redits: ✓	Yes [□ No
Does Requestor Claim Property in DER/OGC Determination: Agriculture Agricultur	_		☐ Yes ☐ Undete	✓ No ermined		
Does Requestor Claim Property in DER/OGC Determination: Agriculture Agricultur		utilized: Disagree				
Does Requestor Claim Affordable DER/OGC Determination: ☐ Ag Notes:		i g Status: ☐ Disagi		_ No ∠ Jndetermi		ed, No Contract

ATTACHMENT A

SECTION I: REQUESTOR INFORMATION

ATTACHMENT A SECTION I: REQUESTOR INFORMATION

The Requestor, BFC 475 Residential LLC, a New York limited liability company, is the owner and developer of the proposed Brownfield Cleanup Program (BCP) property located at 475 Bay Street and 31 Wave Street, identified as Block 488, Lots 9, 157, 162 and 164 (herein referred to as "the site"). A copy of the NYS Department of State Division of Corporations entity information for BFC 475 Residential LLC (herein referred to as the "Requestor") is included with this attachment along with copies of the deeds for the site. Operating agreements, authorizing signatory Donald Capoccia to bind the Requestor, BFC 475 Residential LLC, through BFC 100th Street LLC, to take all actions necessary to enter into and carry out the obligations of the Requestor, including the actions required by the BCP, is included as an attachment.

An organizational chart for BFC 475 Residential LLC is included as an attachment. The members include:

- BFC 100th Street LLC
- Donald Capoccia
- Joseph Ferrara
- Brandon Baron
- 475 Bay Street LLC
- 475 Bay Street HDFC
- LIHTC Investor Member Entity
- 475 Bay Street MM LLC
- BFC 475 Bay Street LLC
- C-W Master LLC
- DAC Master, LLC
- Wharton Holdings, LLC
- Winthrop Wharton

The Requestor certifies it is a Volunteer. The Requestor or its affiliated entities do not have nor have they ever had a relationship with the past owners or operators of the site that caused the existing contamination.

NYS Department of State

Division of Corporations

Entity Information

The information contained in this database is current through.

Selected Entity Name: BFC 475 RESIDENTIAL LLC

Selected Entity Status Information

Current Entity Name: BFC 475 RESIDENTIAL LLC

DOS ID#: 4649055

Initial DOS Filing Date: OCTOBER 09, 2014

County: KINGS

NEW YORK Jurisdiction:

DOMESTIC LIMITED LIABILITY COMPANY **Entity Type:**

Current Entity Status: ACTIVE

Selected Entity Address Information

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

THE LIMITED LIABILITY COMPANY 150 MYRTLE AVENUE, 2ND FLOOR BROOKLYN, NEW YORK, 11201

Registered Agent

NONE

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

*Stock Information

of Shares Type of Stock **\$ Value per Share**

Entity Information 7/1/2020

No Information Available

*Stock information is applicable to domestic business corporations.

Name History

Filing Date Name Type **Entity Name** OCT 09, 2014 Actual **BFC 475 RESIDENTIAL LLC**

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

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

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Office of the Richmond County Clerk 130 Stuyvesant Place Staten Island, NY 10301



Hon. Stephen J. Fiala, County Clerk

Recording and Endorsement Cover Page

Document Type:

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Document Page Count:

6

PRESENTER:

ALL NEW YORK TITLE AGENCY, INC. 222 BLOOMINGDALE ROAD 8401C!

STE 306(SJ CARROLL TO PICK UP)

WHITE PLAINS, NY 10605

PROPERTY DATA

OF BLOCKS

Unit

OF LOTS

NEW YORK, NY 10105

Block

Lot

9 Entire Lot

PARTIES

GRANTOR

488

KATHLEEN RAMPAUL

5 MOTLEY AVENUE

STATEN ISLAND, NY 10313

GRANTEE

BFC 475 RESIDENTIAL LLC

150 MYRTLE AVENUE

RETURN TO:

ROBERT SAKOSKY, ESQ.

ELLENOFF GROSSMAN & SCHOLE LLP

1345 AVE OF THE AMERICAS 11TH

2ND FLOOR

BROOKLYN, NY 11201

SUPPORTING DOCUMENTS

RPT

TP-584

RP5217 NYC(1 Original & 1 Copy with Document)

HOUSING AFFIDAVIT

RETT Cons:

\$3,450,000.00 RPT Cons:

PAYMENT DETAIL

\$3,450,000.00

Make Checks Payable to:

297.00 Recording Fees Richmond County Clerk:

Richmond County Clerk: Commissioner of Finance:

13,800.00 RETT

90,562.50 RPT (Certified Check Required)

Total Payments For This Document: 104,659.50

H DATE 10/7/16

RECORDED IN RICHMOND COUNTY

LAND DOC# 631946

23H-DEEDS

RETT: 3583 RPT: 3583

\$13,800.00

\$90,562.50

12/08/2016 11:30:05 A.M. RECEIPT: 55814 FEE: \$297.00 RICHMOND COUNTY CLERK

DEC 0 8 2016

BARGAIN AND SALE DEED WITH COVENANT AGAINST GRANTOR'S ACTS (INDIVIDUAL OR CORPORATION)

CAUTION: THIS AGREEMENT SHOULD BE PREPARED BY AN ATTORNEY AND REVIEWED BY ATTORNEYS FOR SELLER AND PURCHASER BEFORE SIGNING.

THIS INDENTURE, made the 10th day of November, two thousand and sixteen

BETWEEN

Kathleen Rampaul, residing at 5 Motley Avenue, Staten Island, New York 10313 party of the first part,

and

BFC 475 Residential LLC, located 150 Myrtle Avenue, 2nd Floor, Brooklyn, New York 11201 party of the second part;

WITNESSETH, that the party of the first part, in consideration of Dollars and No Cents (\$10.00) lawful money of the United States, 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 Borough of Staten Island, County of Richmond, City and State of New York, more particularly described in Schedule A attached hereto;

TOGETHER with all right, title and interest, if any, of the party of the first part 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 encumbered 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.

KATHLEEN RAMPAUL

IN PRESENCE OF:

Acknowledgment by a Person Within New York State (RPL § 309-a) STATE OF NEW YORK COUNTY OF RICHMOND day of November, 2016, before me, the undersigned, personally appeared Kathleen Rampaul 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 executed the same in his capacity(ies), and that by his signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument. (signature and office of individual taking acknowledgment) ROBERT M FISHLER Notary Public, State of New York No. 02FI5019692 Qualified in Richmond County ommission Expires October 25 Deed Title No. Section Block 488 Kathleen Rampaul Lot County or Town Richmond **Street Address** 475 Bay Street W75 FT To BFC: Residential LLC. Staten Island, New York Return By Mail To: Robert Sakosky, Esq. Ellen off Grossman & Schole LLP. 1345 Avenue of the Americas, 11th Floor New York, New York 10105

ALL NEW YORK TITLE AGENCY, INC.

Title Number: ANY2013-8401C

SCHEDULE A

BLOCK 488, LOT 9

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

BEGINNING at a point on the easterly side of Bay Street distant 166.50 feet northerly from the corner formed by the intersection of the easterly side of Bay Street and the northerly side of Wave Street;

RUNNING thence North 7 degrees 48' 16" West along the easterly side of Bay Street, 19.09 feet (U.S. Standard) 18.94 feet (Deed);

THENCE North 12 degrees 46' 12" East still along the easterly side of Bay Street 160.23 feet (U.S. Standard and Deed);

THENCE South 77 degrees 36' 05" East 280.06 feet (U.S. Standard and Deed) to land of the Staten Island Rapid Transit;

THENCE southerly along the westerly side of land of the Staten Island Rapid Transit on a curve to the left with a radius of 1462.69 feet, a distance of 187.46 feet (U.S. Standard) 187.40 feet (Deed);

THENCE North 76 degrees 48' 48" West 316.82 feet (U.S. Standard) 317.17 feet (Deed) to the easterly side of Bay Street at the point or place of BEGINNING.

FOR CONVEYANCING ONLY The policy to be issued under this report will insure the title to such buildings and improvements erected on the premises which by law constitute real property.

TOGETHER with all the right, title and interest of the party in the first part, or, in and to the land lying in the street in front of and adjoining said premises.

Page 1 of 1



FOR CITY USE ONLY C1. County Code C2. Date Deed C3. Book C4. Page C5. CRFN	REAL PROPERTY TRANSFER REPORT STATE OF NEW YORK STATE BOARD OF REAL PROPERTY SERVICES RP - 5217NYC
PROPERTYINFORMATION	,
1. Property 475 BAY STREET Location STREET NUMBER STREET NAME	STATEN ISLAND 10304 BOROUGH ZIP CODE
2. Buyer BFC 475 RESIDENTIAL LLC Name LAST NAME / COMPANY	FIRST NAME
LAST NAME / COMPANY	FIRST NAME
3. Tax Indicate where future Tax Bills are to be sent Billing if other than buyer address (at bottom of form) LAST NAME / COMPANY Address	FIRST NAME
STREET NUMBER AND STREET NAME CITY OR	
4. Indicate the number of Assessment Roll parcels transferred on the deed # of Parcels OR # # 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 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 RAMPAUL Name 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 A One Family Residential C Residential Vacant Land E V Non-Residential Vacant Land F	Apartment H Community Service J Public Service
SALE INFORMATION	14. Check one or more of these conditions as applicable to transfer:
10. Sale Contract Date 7 / 17 / 2013 Month Day Yes	A Sale Between Relatives or Former Relatives B Sale Between Related Companies or Partners in Business
11. Date of Sale / Transfer	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)
12. Full Sale Price \$	F Sale of Fractional or Less than Fee Interest (Specify Below) G Significant Change in Property Between Taxable Status and Sale Dates
(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 or mortgages or other obligations) Please round to the nearest whole dollar amount.	H Sale of Business is Included in Sale Price Other Unusual Factors Affecting Sale Price (Specify Below) None
13. Indicate the value of personal property included in the sale	
ASSESSMENT INFORMATION - Data should reflect the latest Final Assessme	nt Roll and Tax Bill
15. Building Class G, 7 16. Total Assessed Value (of all parce	els in transfer) 4 7 0 2 5 0
17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet	with additional identifier(s))

STATEN ISLAND 488 9

COPY

CERTIFICATION	I certify that all of the i	tems of informati aking of any willfo	on entered on this f ul false statement of	orm are true and cor material fact herein	rect (to the best of my know will subject me to the prov	wledge and belief) and isions of the penal law relative to
	the making and filing of	of false instrumen	110116	:	BUYER'S ATTO	DRNEY
BUYER SIGNATURE 150 MYRTLE AVEN		BFC 475	ماريون در مي	br (2)		IRST NAME
STREET NUMBER	STREET NAME (AFTER	Brande	on Baton,	AREA CODE	TELEPHONE NUMBER	
STATEN	ISLAND	NY	11201	1 leden	fingace	- 11110116
CITY OR TOWN		STATE	ZIP CODE	SELLER SIGNATUR	E	DATE
				Vallatas	Rangar	(A)

THIS INDENTURE, made 20th

Day of May

Two Thousand Twenty

BETWEEN

ROSARIO CARACCI, LLC., A New York Limited Liability Company 119 Foxwood Drive South, Newburgh, NY 12550

Party of the first part, and

BFC 475 RESIDENTIAL, LLC 150 Myrtle Avenue, 2nd Fl, Brooklyn, NY 11201

party of the second part,

WITNESSETH, that the party of the first part, in consideration of ten dollars (\$10.00) 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 ordinarily,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of STATEN ISLAND, County of RICHMOND, State of New York, more particularly bounded and described as follows:

"SEE ATTACHED DESCRIPTION"

BEING PART OF THE SAME PREMISES CONVEYED TO THE GRANTOR HEREIN BY DEED DATED 11/3/17 RECORDED 11/15/17 IN LAND DOC#676062

SAID PREMISES BEING KNOWN AS VACANT LAND, STATEN ISLAND, NEW YORK BLOCK: 488 LOTS: 157, 162 & 164

This transfer is made in the ordinary course of business with the unanimous consent of the members

TOGETHER with all right, title and interest, if any, of the party of the first part 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 first part 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 party covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered 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 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" when ever 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

ROSARIO/CARACCI, LLC

By: Salvatore F. Calcagno Authorized Signatory

	ss: e undersigned, personally appeared
Salvatore F. Calcagno personally known to me or proved to me on the basis of sat name(s) is (are) subscribed to the within instrument and ack e in his/her/their capacity(ies), and that by his/her/their sign person upon behalf of which the individual(s) acted, execut	nowledged to me that he/she/they executed the sam ature(s) on the instrument, the individual(s), or the
Signature and office of individual taking acknowledgment)	Al Digeronimo NOTARY PUBLIC, STATE OF NEW YORK Registration No. 01DI6086326 Qualified in Richmond County Commission Expires Jan 21, 2023
State of , County of On the day of in the year 20 b	ss: refore me, the undersigned, personally appeared
personally known to me or proved to me on the basis of sat name(s) is (are) subscribed to the within instrument and ack e in his/her/their capacity(ies), and that by his/her/their sign person upon behalf of which the individual(s) acted, execut	knowledged to me that he/she/they executed the same ature(s) on the instrument, the individual(s), or the
Signature and office of individual taking acknowledgment)	
BARGAIN & SALE DEED WITH COVENANT AGAINST GRANTOR'S ACTS	
Title No.	SECTION BLOCK 488
ROSARIO CARACCI, LLC	LOT(S) 157, 162 & 167 STREET ADDRESS:
TO	
BFC 475 RESIDENTIAL, LLC	
To go ung min milit milunowan , man k mau t yen Ya Ch mikiwa' , firek	RECORD & RETURN
	Hirschen Singer & Epstein LLP 902 Broadway, 13th Floor New York, New York 10010
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Chicago Title Insurance Company

Title Number: CT20-00154-SI

SCHEDULE A DESCRIPTION

As to Parcel I: (For Information Only: Block 488 Lots 157, 162 and 164)

ALL that certain lot, piece or parcel of land, situate, lying and being in the Borough and County of Richmond, City and State of New York, known and designated more particularly bounded and described as follows:

BEGINNING at a point on the northerly side of Wave Street, distant 141.00 feet easterly from the corner formed by the intersection of the northerly side of Wave Street with the easterly side of Bay Street;

RUNNING THENCE

North 07 degrees 48 minutes 16 seconds West, 112.53 feet Survey (112.42 feet Tax Map) to a point;

RUNNING THENCE

South 76 degrees 48 minutes 48 seconds East, 181.89 feet Survey (181.92 feet Tax Map) to a point;

RUNNING THENCE southerly having a radius of 1447.69, a central angle of 0 degrees 43 minutes 10 seconds, an arc length of 18.18 feet to a point;

RUNNING THENCE

South 05 degrees 12 minutes 24 seconds East, 29.41 feet to a point on the northerly side of Wave Street; and

RUNNING THENCE along the northerly side of Wave Street,

South 82 degrees 14 minutes 57 seconds West, 167.54 feet Survey (167.5 feet Tax Map) to the point or place of BEGINNING.

FILING RECEIPT

ENTITY NAME: BFC 100TH STREET LLC

DOCUMENT TYPE: ARTICLES OF ORGANIZATION (DOM LLC)

COUNTY: NEWY

SERVICE COMPANY: ** NO SERVICE COMPANY **

SERVICE CODE: 00 *

FILED:07/24/2002 DURATION:12/31/2052 CASH#:020724000779 FILM #:020724000738

ADDRESS FOR PROCESS

EXIST DATE

THE LLC

07/24/2002

C/O BFC CONSTRUCTION CORP NEW YORK, NY 10029 2226 FIRST AVE

REGISTERED AGENT



=======================================				========
FILER	FEES	235.00	PAYMENTS	235.00
8	FILING	200.00	CASH	0.00
CANNON HEYMAN & WEISS LLP	TAX	0.00	CHECK	235.00
GEOFFREY J CANNON, ESQ.	CERT	0.00	CHARGE	0.00
O BEACEER ST 4TH FL	COPIES	10.00	DRAWDOWN	0.00
ALBANY, NY 12207-1511	HANDLING	25.00	BILLED	0.00
			REFUND	0.00

State of New York } Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

JUL 3 0 2002



Special Deputy Secretary of State

DOS-1266 (7/00)

ARTICLES OF ORGANIZATION

OF

BFC 100TH STREET LLC

Under Section 203 of the Limited Liability Company Law of the State of New York

The undersigned, being a natural person of at least eighteen (18) years of age and acting as the organizer of the limited liability company hereby being formed under Section 203 of the Limited Liability Company Law of the State of New York (the "LLCL"), certifies that:

FIRST: The name of the company is BFC 100th Street LLC (the "Company").

SECOND: The county within the State of New York in which the office of the Company is to be located is New York.

THIRD: The latest date on which the Company is to dissolve is December 31, 2052.

FOURTH: The Secretary of State is designated as the agent of the Company upon whom process against the Company may be served. The post office address within or without the State of New York to which the Secretary of State shall mail a copy of any process against the Company served upon such Secretary of State is: BFC 100th Street LLC, c/o BFC Construction Corp., 2226 First Avenue, New York, New York 10029.

FIFTH: The Company is to be managed by one or more managers.

IN WITNESS WHEREOF, I have subscribed this certificate and do hereby affirm the foregoing as true under penalties of perjury, this 24th day of July, 2002.

ALAN MYZIERSKI, Organizer

020724000738

ARTICLES OF ORGANIZATION

OF

BFC 100TH STREET LLC

020724000738

Under Section 203 of the Limited Liability Company Law of the State of New York

> STATE OF NEW YORK DEPARTMENT OF STATE

JUL 2 4 2002

FILED TAX \$_

CANNON HEYMAN & WEISS, LLP 50 BEAVER STREET 4TH FLOOR ALBANY, NEW YORK 12207-1511

Geoffrey J. Cannon, Esq.

2

779

OPERATING AGREEMENT

OF

BFC 100th STREET LLC

This Operating Agreement (this "Agreement") of BFC 100th Street LLC is entered into between the members whose names and addresses are set forth hereafter (the "Members").

The Members hereby form a limited liability company pursuant to and in accordance with the Limited Liability Company Law of the State of New York, as amended from time to time (the "LLCL"), and hereby agree as follows:

- Name. The name of the limited liability company formed hereby is BFC 100th
 Street LLC (the "Company").
- 2. <u>Term</u> The term of the Company shall commence on the date of filing of its Articles of Organization with the Secretary of State and shall continue until December 31, 2052 unless dissolved before such date in accordance with the LLCL.
- Purpose The Company is formed for the purpose of engaging in any lawful act or activity for which limited liability companies may be formed under the LLCL and engaging in any and all activities necessary or incidental to the foregoing,

provided, however, that all of the Company's activities shall be limited to acting as a Manager and Member of 100 Street Tri Venture LLC (hereinafter, the Owner) in connection with the acquisition, ownership, development and operation by the Owner of the real property commonly known as 1955 First Avenue, New York, New York (hereinafter the Property).

4. <u>Members.</u> The name and the business, residence, or mailing address of the Members and their respective Membership Interests are as follows:

Brandon Baron	2226 First Avenue New York, New York 10029	33-1/3%
Joseph Ferrara	2226 First Avenue New York, NY 10029	33-1/3%
Donald Capoccia	2226 First Avenue New York, New York 10029	33-1/3%

5. Management, Duties and Responsibilities.

S.1 Manager. The business, operations and affairs of the Company shall be managed by a Board of three Managers (the Managers). The Members hereby agree subject to the provisions of this agreement to elect Donald Capoccia, Brandon Baron and Joseph Ferrara as the initial Managers. The Managers shall be solely responsible and shall have the complete and exclusive right, power and authority with respect to the management of the Company's business. In order for any action of the Managers to be valid, proper and binding upon the Company, such action must be agreed and consented to by the unanimous consent of all Managers. The Managers shall possess all rights and powers permitted by law and all rights and powers which may be necessary, incidental or convenient for the development, operation, sale, financing, management or ownership of the Company and its assets. The number of Managers may be increased or decreased upon the unanimous consent of the Members at any time. Any vacancy in the Board of Managers shall be

filled by the unanimous consent of the members. Managers do not need to be Members. The Managers may appoint such officers of the Company as it may deem advisable. The officers of the Company, if so appointed, shall be responsible for the day-to-day business, operations and affairs of the Company, shall have such powers as are usually exercised by comparable designated officers of a New York corporation and shall have the authority to bind the Company through the exercise of such powers subject to, and to the extent consistent with, the terms hereof. The officers of the Company shall (i) be appointed and be subject to removal by the Managers, and (ii) operate as an autonomous management group, accountable only to the Managers.

Removal of Manager. The Initial Managers or any other individual or entity which is appointed as a Manager shall serve as te Manager unless and until any such Manager has (i) made a general assignment for the benefit of creditors; or (ii) has commenced a voluntary case for relief as a debtor under the Bankruptcy Code; or (iii) has been adjudicated a bankrupt; or (iv engaged in any action or inaction that would constitute "just cause" or (v) has committed a default or breach of any of the terms of this agreement.

- Powers of the Manager. The Managers shall have all the rights and powers which may be possessed by a Manager in a limited liability company formed under the laws of the State of New York, which are otherwise conferred by law or which are necessary, advisable or convenient to the discharge of duties under this Agreement and to the management, direction and control of the business and affairs of the Company, exercisable without the consent of any other Member, including but not limited to the following rights and powers. Rights and powers of the Managers by way of illustration but not by way of limitation, shall include the sole, exclusive and unrestricted (exercisable without the consent of any other Member) right and power to perform the following acts on behalf of the Company.
- (a) Authorize or approve all actions with respect to distribution of funds, borrowing funds, executing contracts, bonds, guarantees, notes, security agreements, mortgages and

all other instruments to effect the purposes of this Agreement; and execute any and all other instruments and perform any acts determined to be necessary or advisable to carry out the intentions and purposes of the Company.

- (b) Subject to the limitations imposed by this Agreement, admit additional Members in substitution of Members disposing of their interest in the Company.
- expenses incurred in the creation of the Company and in raising additional capital, including, without limitation, reasonable brokers' and underwriters' commissions, legal and accounting fees, license and franchise fees (it being understood that all expenses incurred in the creation of the Company and the commencement of the Company business shall be borne by the Company); and compromise, arbitrate or otherwise adjust claims in favor of or against the Company and to commence or defend against litigation with respect to the Company or any assets of the Company as the Managers deem advisable, all or any of the above matters being at the expense of the Company; and to execute, acknowledge and deliver any and all instruments to effect any and all of the foregoing.
- (d) Purchase goods or services from any corporation or other form of business enterprise, whether or not such corporation or business enterprise is owned or controlled by, or affiliated with, the Managers.
- (e) Establish Company offices at such other places as may be appropriate, hire Company employees and consultants, engage counsel and otherwise arrange for the facilities and

personnel necessary to carry out the purposes and business of the Company, the cost and expense thereof and incidental thereto to be borne by the Company.

- (f) Intentionally Omitted.
- (g) Conduct the tax, financial and business affairs of the Company.
- (h) (1) borrow money on behalf of the Company, or in its capacity as Managers of the Company to cause the Company to borrow money, upon such terms and conditions as may be deemed advisable and proper in the Managers' sole discretion, including a pledge or mortgage of Company property to secure the indebtedness; (2) as Managers of the Company to cause the Company to sell, exchange or otherwise dispose of its property or (3) change the accountants for the Company.
- (i) To manage, repair, insure, service, promote, advertise, lease, sublease, and create or release interests in the Company's property, including without limitation the creation of condominium and/or cooperative forms of ownership.
- (j) To pay out of Company funds such expenses as are necessary to carry out the intentions and purposes of the Company.
- (k) Subject to such limitations as are hereinafter set forth, to contract with or deal with the Company for supplying management, brokerage, construction and other services to the Company. (All of which may be performed by entities which are affiliated with the Managers, as

herein provided.)

- (1) To employ agents, attorneys, auditors, accountants and depositories and to grant powers of attorneys.
- (m) To employ persons in the operation and management of the Company, including, but not limited to, managing agents, real estate brokers and/or sales agents, and marketing companies in connection with the sale or rental of the Company's property or any portion thereof, on such terms and for such compensation as the Managers deem commercially reasonable. With respect to services customarily provided by such managing agents, rental agents, real estate brokers, and/or sales agents and/or marketing companies, the Managers on behalf of the Company, are hereby authorized to enter into agreements with entities affiliated with (or under common ownership with some or all of) the Managers for the performance of such services to the Company, provided that the terms thereof are commercially reasonable.
- (n) To enter into any contract of insurance which the Managers deem necessary and proper for the protection of the Company, the conservation of the Company's property or any other asset of the Company, or for any purpose convenient or beneficial to the Company, including, but not limited to, a contract naming the Managers as additional insured.
- (o) To take all such actions as deemed necessary or desirable by the Managers in order to enable and empower the Owner to finance, develop and improve the Property, and

- (p) To act on behalf of the Company to cause the Owner to take, or consent to the Owner to take, or consent to the Owner taking any of the foregoing actions with respect to the Owner, the Property or any other assets owned by the Owner.
- 5.3 All decisions made for and on behalf of the Company by the Managers shall be binding upon the Company. No Person dealing with the Managers shall be required to determine its authority to enter into any undertaking on behalf of the Company, nor to determine any fact or circumstances bearing on the existence of such authority; provided, however, that nothing herein contained shall extinguish, limit or condition the liability of the Managers to the Members to discharge their obligations in accordance with this Agreement and the Act. The Managers can execute, on behalf of the Company, contracts, agreements, instruments, leases, notes or bonds, mortgages on Company assets securing indebtedness and any and all other documents incidental thereto without obtaining the approval or consent of any Member.
- 5.4. Except as otherwise specifically provided in this Agreement to the contrary, no Members shall have the right to take part in the control of the Company business or to sign for or to bind the Company, such power being vested in the Managers. Except as otherwise explicitly provided in this Agreement or as required by the Act (which requirement shall not be permitted by the Act to be waived by this Agreement), the Members shall not be entitled to vote on any matter. It is the intention of the Members that, to the fullest extent permissible under the Act, all matters shall be determined and all action taken by the Managers, rather than the Members. The Company shall not be required to hold annual or other meetings of the Members. Subject to the foregoing, a meeting of the Members may be called at any time by the Managers. If called, meetings of Members shall be held at the Company's principal place of business or such other location selected by the Managers. At a Meeting of Members, the presence in person or by proxy of Members holding not less than a majority of the Membership Interests shall constitute a quorum. A Member may vote either in person or by written proxy signed by the Member or by its duly authorized attorney in fact. Members may participate in a meeting by means of conference telephone or similar communications equipment by means of which all persons participating in the meeting can speak to and hear each other. Such participation shall constitute presence in person at the meeting.

6. <u>Capital Contributions.</u> The Members have contributed to the Company the following amounts, to date in the form of cash.

Name of Member	Capital Contribution
Brandon Baron	\$100
Joseph Ferrara	\$100
Donald Capoccia	\$100

- 7 <u>Additional Contributions.</u> Members are required to make additional capital contributions to the Company only as unanimously agreed upon.
- 8 Allocation of Profits and Losses. The Company's profits and losses shall be allocated as follows: Brandon Baron 33-1/3%, Joseph Ferrara 33-1/3%, Donald Capoccia 33-1/3%.
- <u>Distribution.</u> Distributions shall be made to the Members at the times and in the aggregate amounts determined by the Managers, as follows: Brandon Baron 33-1/3%, Joseph Ferrara 33-1/3%, Donald Capoccia 33-1/3%...
- 10 <u>Assignments.</u> A Member may not assign in whole or in part his limited liability company interest, without the unanimous consent of the other members.
- 11 <u>Withdrawal of a Member.</u> A Member may withdraw from the Company in accordance with the LLCL.

- 12 <u>Admission of Additional Members.</u> One (1) or more additional members of the Company may be admitted to the Company only with the consent of all of the Members.
- 13. **Liability of Members**. The Members shall not have any liability for the obligations or liabilities of the Company.
- 14. **Governing Law**. This Agreement shall be governed by, and construed under, the laws of the State of New York, all rights and remedies being governed by said laws.

IN WITNESS WHEREOF, the undersigned intending to be legally bound hereby, have duly executed this Operating Agreement as of the _____ day of October, 2002.

Brandon Baron

Joseph Ferrara

Donald Capoccia

BFC 475 RESIDENTIAL LLC

Amended and Restated Operating Agreement Adopted as of July 12, 2016

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BFC 475 RESIDENTIAL LLC

AMENDED AND RESTATED OPERATING AGREEMENT

This Amended and Restated Operating Agreement (this "Agreement") is made as of the 12th day of July 2016 by and among BFC 100th Street LLC, a New York limited liability company having an address at 150 Myrtle Avenue, Suite 2, Brooklyn, New York 11201 (the "Member") and Donald Capoccia, an individual having an address at c/o BFC Partners, 150 Myrtle Avenue, Suite 2, Brooklyn, New York 11201 (the "Withdrawing Member").

WITNESSETH:

WHEREAS, the Company was formed on October 9, 2014, by the filing of the Articles of Organization with the New York State Department of State; and

WHEREAS, the Withdrawing Members entered into that certain Operating Agreement of the Company dated October 9, 2014; and

WHEREAS the parties hereto desire to admit the Member as the sole member of the Company, restate the rights, obligations and duties of such Member to the Company and the Withdrawing Members desire to withdraw from the Company.

Article I Formation and Name: Office; Purpose; Term

- 1.1. Organization. The Member is organizing a limited liability company pursuant to the New York Limited Liability Company Law, as amended from time to time (the "Law"), and pursuant to the provisions of this Agreement and, for that purpose, has caused the Articles of Organization to be prepared, executed, and filed with the New York Department of State on October 9, 2014.
- 1.2. Name of the Company. The name of the limited liability company shall be **BFC 475 Residential LLC** (the "Company"). The Company may do business under that name and under any other name or names upon which the Member decides. If the Company does business under a name other than that set forth in its Articles of Organization, then the Company shall file a certificate as required by General Business Law §130.
- 1.3. *Purpose*. The Company is organized primarily to participate directly or indirectly in the acquisition, ownership, construction, development, financing, operating, maintenance and disposition of certain real property and improvements located in New York City, do any and all things necessary, convenient, or incidental to those purposes, engage in such additional or other activities as the Member shall deem necessary, advisable, and any other lawful purpose permitted under the Law.

- 1.4. *Term.* The Company shall have a perpetual existence, unless its existence is sooner terminated pursuant to Article VII of this Agreement.
 - 1.5. Registered Agent. The Company shall not have a registered agent.
 - 1.6. *Members*. The name and present mailing address of the Member is as follows:

Name

Address

BFC 100th Street LLC

150 Myrtle Avenue, Suite 2, Brooklyn, New York 11201

Article II Member; Capital; Capital Account

- 2.1. *Initial Capital Contribution*. Upon the execution of this Agreement, the Member is contributing to the company cash in the amount of \$100.00.
- 2.2. No Additional Capital Contributions Required. The Member shall not be required to contribute any additional capital to the Company. The Member shall not have any personal liability for any debt, obligation or liability of the Company.
- 2.3. No Interest on Capital Contributions. The Member shall not be paid interest on its Capital Contribution.
- 2.4. *Return of Capital Contributions*. Except as otherwise provided in this Agreement, the Member shall not have the right to receive any return of its Capital Contribution.
- 2.5. Form of Return of Capital. If the Member is entitled to receive a return of its Capital Contribution, the Company may distribute cash, notes, property, or a combination thereof to the Member in return of the Capital Contribution.
- 2.6. Loans. The Member may, at any time, make or cause a loan to be made to the company in any amount and on those terms as determined by the Member.

Article III Profit, Loss, and Distributions

3.1. Distributions of Cash Flow. Cash Flow for the Company may be distributed to the Member at such times and in such amounts as determined by the Member. Such distributions shall be allocated to the Member in the same proportion as its then capital account balance.

Article IV Management: Rights, Powers, and Duties

4.3. Management.

- 4.3.1. The Company shall be managed by the Member. The Member shall have the full and exclusive right and power to act for and bind the Company.
- 4.3.2. The Member may cause the Company to employ and retain such other persons as may be necessary or appropriate for the conduct of the Company's business, on such terms as the Member shall determine, including persons who may be designated as officers. The officers of the Company shall have the titles, powers and duties delegated to them by the Member. Any number of titles may be held by the same officer.
- 4.3.3. The Member shall have the power and authority to delegate his or her right and power to manage and control the business and affairs of the Company to one or more other persons (including one or more committees, managers and agents, employees and/or affiliates of a manager), including delegation by management agreement or other arrangement.

4.4. Liability and Indemnification.

- 4.4.1 Except as otherwise provided by law, no Member shall be liable, responsible or accountable in any way for damages or otherwise to the Company or to any of the Members for any act or failure to act pursuant to this Agreement or otherwise unless there is a judicial determination that (i) such person acted in bad faith, (ii) the conduct of such person constituted intentional misconduct or a knowing violation of law, (iii) such person gained a financial benefit to which he or she was not legally entitled or (iv) such person failed to perform his or her duties, specifically with respect to distributions under Section 508(a) of the Law, in good faith and with that degree of care that an ordinarily prudent person in a like position would use under similar circumstances.
- 4.4.2. The Company shall indemnify, defend and hold harmless the Member and any delegate, employee, or officer of the Member (severally, (the "Indemnitee" and collectively, the "Indemnitees"), from and against any claims, losses, liabilities, damages, fines, penalties, costs and expenses (including, without limitation, reasonable fees and disbursements of counsel and other professionals) arising out of or in connection with any act or failure to act by an Indemnitee pursuant to this Agreement, or the business and affairs of the Company, to the fullest extent permitted by law; provided, however, that an Indemnitee shall not be entitled to indemnification hereunder if there is a judicial determination that (a) such Indemnitee's actions or omissions to act were made in bad faith or were the result of active and deliberate dishonesty and were material to the cause of action so adjudicated, or (b) such Indemnitee personally gained a financial benefit to which the Indemnitee was not legally entitled.

Article V Transfers of Interest

5.1. *Transfers*. The Member may transfer in whole or in part its interest in the Company.

Article VI Admission of Additional Members

6.1. Admission of Additional Members. The Member may admit one or more additional members to the Company.

Article VII Dissolution, Liquidation, and Termination of the Company

- 7.1. Events of Dissolution. The Company shall be dissolved upon the happening of any of the following events:
 - 7.1.1. upon the consent of the Member;
 - 7.1.2. upon the dissolution of the Member; or
 - 7.1.3. upon the entry of a decree of judicial dissolution under Section 702 of the Law.

Article VIII General Provisions

- 8.1. Applicable Law. All questions concerning the construction, validity, and interpretation of this Agreement and the performance of obligations imposed by this Agreement shall be governed by the internal law, not the law of conflicts, of the State of New York.
- 8.2. Article and Section Titles. The headings herein are inserted as a matter of convenience only and do not define, limit, or describe the scope of this Agreement or the intent of the provisions hereof.
- 8.3. Separability of Provisions. Each provision of this Agreement shall be considered separable; and if, for any reason, any provision or provisions herein are determined to be invalid and contrary to any existing or future law, such invalidity shall not impair the operation of or affect those portions of this Agreement which are valid.

IN WITNESS WHEREOF, the Member has executed, or caused this Agreement to be executed as of the date set forth hereinabove.

MEMBER:

BFC 100th STREET LLC

By:

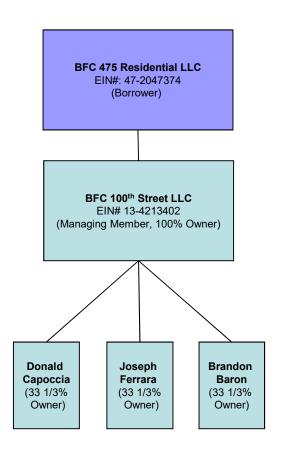
Name: Brandon Title: Men Se-

ACKNOWLEDGED, CONSENTED AND AGREED TO BY

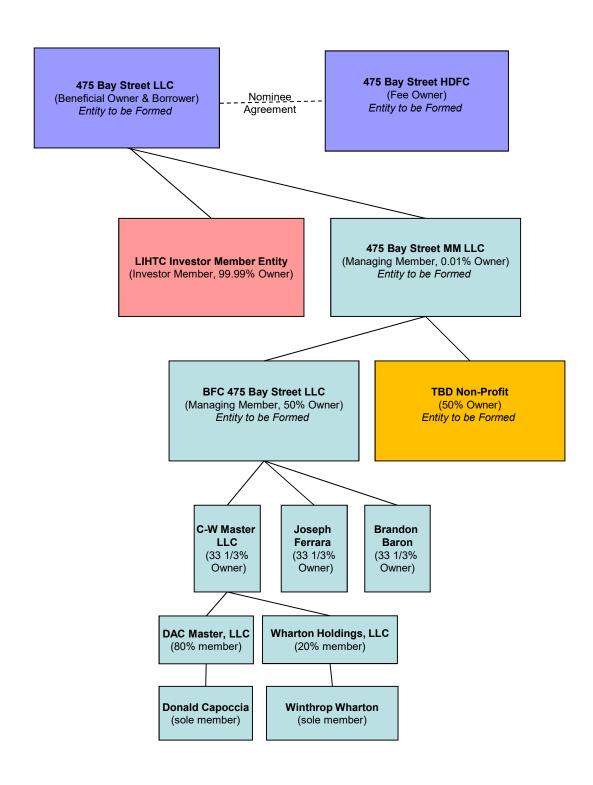
WITHDRAWING MEMBER

DONALD CAPOCCIA

475 Bay Street Development Staten Island, New York Block 488, Lots 9, 157, 162 & 164 (at Acquisition Loan Closing)



475 Bay Street Development Staten Island, New York Block 488, Lots 9, 157, 162 & 164 (at Construction Loan Closing)



ATTACHMENT B

SECTION II: PROJECT DESCRIPTION

ATTACHMENT B SECTION II: PROJECT DESCRIPTION

Purpose and Scope of the Project

The purpose of the project is to remediate and redevelop the site for use as an affordable housing and community facility. The site consists of three vacant asphalt and gravel-paved lots (Block 488, Lot 9, 157 and 162) and a vacant one-story building (Block 488, Lot 164). The proposed redevelopment includes construction of a new 3-story community facility on Lots 157, 162, and 164, and a 12-story mixed-use residential and commercial building on Lot 9. All residential units will be designated as affordable housing. An application for the merger of Lots 157, 162 and 164 into Lot 157 dated April 28, 2020 was submitted to the New York State Department of Finance - Property Division and is included as an attachment.

According to the New York City Planning Commission, the site lies within the Special Bay Street Corridor District (BSC) that was created to foster better connectivity between Staten Island's civic core in St. George and the town center of Stapleton by promoting a more continuous, pedestrian friendly commercial street scape and create the opportunity for additional housing through the Inclusionary Housing Designated Areas Program. The proposed use is consistent with the current zoning. The applicable zoning map is included in Attachment H of this BCP application.

The proposed project will include:

- Demolition of the existing one-story building and asphalt parking lot;
- Excavation and off-site disposal of contaminated soil; and
- Implementation of other remedial elements, if required, simultaneously with development.

A subsurface investigation was performed in April and May 2020, the results of which are summarized in Attachment C of this BCP application. The findings of the investigation will be documented in a forthcoming Remedial Investigation Report (RIR) and future remediation plans to address the identified impacts will be detailed in the Remedial Action Work Plan (RAWP), which will be implemented concurrently with the contemplated development. The RIR and RAWP will be prepared in accordance with New York State Department of Environmental Conservation (NYSDEC) guidelines. An estimated timeline of anticipated BCP milestones is provided in the following schedule:

Estimated Project Schedule

F .:						2020									2021							2022				
	Estimated Project Schedule	z	В	٩R	Я	∀	z <u>-</u>	ے ایے	2 6	 -	\geq	ے ن	Z A	4R	د >	1 2	Z =	J. J.G	<u>d.</u>	T	<u> </u>	ک ا	В	ΔR :	APR MAY	Z
Item	Action	٩	H	Ž	ΑF	Σ	7 =	7 -	A S		\mathbb{Z}	7	FE	Ž	Ž Ž	<u> </u>	3 =	A A	SE	ŏ	2 2	7 5	. 분	Šζ	ΔŽ	\supseteq
1	Preparation and Submission of BCP Application																									
2	30-Day Public Comment Period for BCP Application																									
3	Execute BCA																									
4	Preparation of and Submission of RIR and RAWP																									
5	NYSDEC & NYSDOH Review of RIR and RAWP																									
6	45-Day Public Comment Period for RAWP and Issuance of Decision Document																									
7	Implementation of RAWP with Engineering Oversight																									
8	Preparation of an Environmental Easement, FER, and SMP (if required)																									
9	NYSDEC & NYSDOH Review of FER (and SMP, if required)																						}			
10	NYSDEC Issues COC																									
Note	<u>s:</u>																									
a)	This is an estimated schedule; all items are subject to change.																									
b)	Completion of Item 7 refers to the completion of remediation and not the end of overall cons	truc	ctior	١.																						
c)	BCP = Brownfield Cleanup Program																									
d)	NYSDEC = New York State Department of Environmental Conservation																									
e)	BCA = Brownfield Cleanup Agreement																									
f)	NYSDOH = New York State Department of Health																									
g)	RIR = Remedial Investigation Report																									
h)	RAWP = Remedial Action Work Plan																									
i)	FER = Final Engineering Report																									
j)	SMP = Site Management Plan																									
k)	COC = Certificate of Completion																									

ATTACHMENT C

SECTION III: PROPERTY'S ENVIRONMENTAL HISTORY

ATTACHMENT C SECTION III: PROPERTY'S ENVIRONMENTAL HISTORY

<u>Item 1 - Environmental Reports</u>

The following environmental reports were prepared for the site prior to the Requestor's application:

- January 12, 2000 Phase I Environmental Site Assessment (ESA) for 475 Bay Street, Staten Island, New York, prepared by AVT Enterprises (AVT)
- April 2013 Phase I ESA for 475 Bay Street Staten Island, New York, prepared by URS Corporation (URS)
- September 2013 Subsurface (Phase II) Investigation for 475 Bay Street, Staten Island, New York, prepared by AKRF Engineering, P.C. (AKRF)
- April 2016 Remedial Action Plan for 475 Bay Street, Staten Island, New York, prepared by AKRF
- March 20, 2020 Phase I ESA for 475 Bay Street and 31 Wave Street, Staten Island, New York, prepared by Langan
- May 15, 2020 Phase II Environmental Site Investigation Report (ESI) for 31-33 Wave Street, Staten Island, New York, prepared by Langan

Environmental reports are summarized below and included with this attachment.

January 12, 2000 Phase I ESA for 475 Bay Street, Staten Island, New York, prepared by AVT

AVT prepared a Phase I ESA in January 2000 for Mr. Mervin Rampaul in accordance with the previous ASTM E1257-99 standard for Block 488, Lot 9. At the time of the Phase I, the site was a vacant asphalt-paved parking lot. The following Recognized Environmental Conditions (RECs) were identified in the Phase I ESA:

- REC 1 Historical On-Site Operations Historical use of the site as a coal yard and filling station with potential petroleum bulk storage in 1934
- <u>REC 2 Historical Adjoining and Surrounding Property Operations</u> Historical use of the adjoining and surrounding properties for industrial and commercial uses that predate regulatory controls

April 2013 Phase I ESA for 475 Bay Street, Staten Island, New York, prepared by URS

URS conducted a Phase I ESA and geophysical survey in April 2013 for BFC Partners. The Phase I was conducted for Lot 9 in accordance with the previous ASTM E1257-05 standard. At the time

of the Phase I, the site was vacant asphalt-paved parking lot. The following RECs were identified in the Phase I ESA:

- REC 1 Historical On-Site Operations -Historic use of the site as a lumber yard, coal storage yard, sand and gravel storage yard, and a vehicle storage yard
- REC 2 Historical Adjoining and Surrounding Property Operations Historic use of the adjoining and up-gradient surrounding properties as a gasoline station, dry cleaner, and other historically industrial properties

The geophysical survey did not identify subsurface anomalies indicative of underground storage tanks (USTs), aboveground storage tanks (ASTS) or drums; however, a suspected buried concrete pad, buried metal and unidentified objects were identified.

<u>September 2013 Subsurface (Phase II) Investigation for 475 Bay Street, Staten Island, New York, prepared by AKRF</u>

AKRF conducted a Phase II subsurface investigation on Lot 9 in August 2013 to determine if soil, groundwater, and soil vapor were impacted as a result of the historical uses of the site and adjoining and surrounding properties. The investigation consisted of the advancement of eight soil borings, installation of four temporary groundwater monitoring wells and four soil vapor points, and collection of soil, groundwater and soil vapor samples. Field observations and laboratory analytical results are summarized below:

- <u>Site Geology and Hydrogeology</u> Historic fill material consisting of sand with silt, gravel, asphalt and brick was encountered beneath the surface cover to depths ranging from 5 to 10 feet below grade surface (bgs). Fill was underlain by native sand to termination depth of borings ranging from 20 to 25 feet bgs. Groundwater was encountered between 6 and 15 feet bgs.
- <u>Soil</u> Volatile organic compounds (VOC), polychlorinated biphenyl (PCB), pesticides and metals were detected in at least one or more soil samples above New York State Department of Environmental Conservation (NYSDEC) Chapter 6 of the New York Codes, Rules and Regulations (NYCRR) Part 375 Unrestricted Use (UU) Soil Cleanup Objectives (SCO), but below the Restricted Use Restricted Residential (RURR) SCOs. Four metals, including barium, cadmium, lead and nickel, were detected above RURR SCOs.

- <u>Groundwater</u> Semivolatile organic compounds (SVOC) and dissolved metals were identified in groundwater samples above their NYSDEC Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards (AWQS).
- <u>Soil Vapor</u> Petroleum-related and chlorinated VOCs were detected in soil vapor samples.
 VOCs were not detected at concentrations above the New York State Department of Health (NYSDOH) Air Guidance Values (AGVs).

April 2016 Remedial Action Plan, prepared by AKRF

AKRF prepared a Remedial Action Plan (RAP) for Lot 9 to address the excavation and off-site disposal of excavated material, dewatering, and decommissioning and closure of USTs, if encountered, during redevelopment of the Subject Property. The RAP also discussed the removal of the suspected buried concrete pad, buried metal and unspecified objects identified during the August 2013 geophysical survey.

This RAP was prepared to satisfy the New York City Office of Environmental Remediation (NYCOER) E-designation requirements. E-Designations are assigned when environmental concerns are identified by the Department of City Planning during completion of the Environmental Assessment for Rezoning. E-Designations requirements must be satisfied before a building permit can be issued by the NYC Department of Buildings. The RAP was prepared when the development was anticipated to only span Lot 9 and was never implemented.

March 20, 2020 Phase I ESA for 475 Bay Street and 31 Wave Street, Staten Island, New York, prepared by Langan

The Phase I ESA was completed in accordance with ASTM Standard E1527-13 and the United States Environmental Protection (USEPA) All Appropriate Inquiries (AAI) Rule. The following RECs were identified:

• REC 1 - Historical On-Site Operations - Historical operations at the site include a lumber yard (1898 to 1917), a gasoline service station (1929 to 1934), a coal yard (1934 to 1950), a gasoline filling station with petroleum bulk storage and an oil shed (1937 to 1950), auto painting (1937 to 1950), a truck shop (1937 to 1950), auto repair (1934; 1977 to 2019), a gravel and sand company with a gasoline tank (1950 to 1972), used auto sales (1968; 1977 to 1990), unidentified manufacturing (1981 to 1988) and an ironworks (1984). Additionally, Block 488, Lot 164 is identified in the Solid Waste/Landfill (SW/LF) database as a car dismantling facility. Leaks or spills of petroleum products, solvents, chemicals and/or other hazardous materials associated with former business operations may have adversely affected soil, groundwater and/or soil vapor at the site.

- REC 2 Potential Former Hydraulic Lifts Filled with Liquid Three rectangular pits filled with water were observed in the former auto repair building located on Lot 164. The pits appeared to be lined with concrete. One pit measured about 15 x 8 x 3 feet and the remaining two measured about 3 x 3 x 3 feet. The pits appear to be remnants of former hydraulic lifts. What appeared to be globules of free product were observed floating on the surface of the water. Although the pits appeared to be lined with concrete the condition of the pits could not be inspected.
- REC 3 Historical Use of the Adjoining and Surrounding Properties Historical use of the adjoining and surrounding properties include an auto supply and factory (1917), dry cleaning company with historical generation of hazardous waste and petroleum bulk storage (1934 to present), a filling station with three gasoline tanks (1928 to 1996), a bus garage (1937), a factory (1937 to 1962), parking lot with an oil house (1937 to 1950), a gasoline filling station (1937 to 2011), used auto sales (1950 to 1995) and auto repair (1962 to 1992). Historical operations on adjoining and surrounding properties may have resulted in releases of petroleum products, solvents, chemicals, and/or other hazardous substances that may have affected groundwater or soil vapor beneath the site.

April/May 2020 Remedial Investigation (Report being Prepared)

Langan completed a remedial investigation between April 28 and May 22, 2020 to investigate potential areas of concern (AOCs) and determine, to the extent practical, the nature and extent of soil, groundwater, and soil vapor impacts. The investigation included a geophysical survey, the advancement of 27 soil boings to depths ranging between 10 and 20 feet bgs, the installation of 9 permanent groundwater monitoring wells, 2 sub-slab and 9 soil vapor points, and the collection of soil, groundwater, soil vapor, and indoor air samples. Field observations and laboratory analytical results are summarized below:

- <u>Geophysical Survey</u> Geophysical anomalies consistent with utilities (i.e., gas and electric lines) were identified throughout the site. No anomalies resembling USTs were identified.
- <u>Site Geology and Hydrogeology</u> Historic fill material was encountered from beneath the surface cover to depths of 5 to 13 feet bgs. The fill layer was most shallow in the central and northwestern part of the site (Lot 9) and deepest in the southeastern part of the site (Lot 157). Historic fill material predominantly consisted of brown and black, fine- to coarse-grained sand with varying amounts of gravel, silt, brick, coal, slag, glass, ceramics, wood, incinerated material and/or concrete. The fill layer was underlain by native soil that predominantly consists of light gray to reddish brown silty fine sand with varying amounts of fine gravel and clay lenses, which extended to the termination depth of each boring. Bedrock was not encountered in any of the soil borings.

With the exception of one outlier well, depth to groundwater was measured between 3.51 and 4.92 feet bgs across the site footprint, with corresponding groundwater

elevations ranging from about to elevation (el) 5.12 to el 6.00 NAVD88. Groundwater generally flows southeast towards The Narrows.

• <u>Soil:</u> Petroleum-like odors, photoionization detector (PID) readings above background (maximum 4.6 parts per million [ppm]) and staining were observed in soil borings SB04 and SB110 from 14 to 15 feet bgs and 9 to 10 feet bgs, respectively.

One VOC, acetone, was detected at concentrations exceeding the UU SCOs in six soil samples collected from soil borings SB01, SB02, SB13, SB15 and SB111 at depths ranging between 5 and 20 feet bgs on Lots 9 and 157.

Fifteen SVOCs, including thirteen polycyclic aromatic hydrocarbons (PAHs), a subset of SVOCs, exceeded the UU and/or RURR SCOs in five soil samples from soil borings SB01, SB05, SB101, SB107, and SB109 collected at depths ranging from 0 to 5.5 feet bgs. In particular, concentrations of 3 & 4 methylphenol, 2-methylphenol, dibenzofuran, naphthalene, and phenol exceeded UU SCOs, and concentrations of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene exceeded UU and RURR SCOs. PAH impacted material is confined within the historic fill layer. The compounds 3 & 4 methylphenol and 2-methylphenol were only detected in the sample collected in SB101 from 3 to 4 feet bgs.

Four pesticides, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, and Alpha BHC (Alpha Hexachlorocyclohexane) were detected at concentrations exceeding the UU SCOs in nine samples from soil borings SB02, SB03, SB04, SB05, SB11, SB12, and SB15 collected at depths ranging from 0 to 8 feet bgs. Pesticides were not detected above RURR SCOs.

Total PCBs were detected at concentrations exceeding the UU SCO in one sample from soil boring SB12 collected at a depth from 0 to 2 feet bgs. PCBs were not detected above RURR SCOs.

Eleven metals were detected at concentrations above UU and/or RURR SCOs in 62 samples from all soil borings except for SB105. Arsenic, barium, trivalent chromium, lead, mercury, and nickel exceeded both UU and RURR SCOs.

Soil samples were analyzed for per- and polyfluoroalkyl substances (PFAS). Currently, there are no NYSDEC SCOs for PFAS compounds. Perfluorooctanoic acid (PFOA) was detected in 36 soil samples at concentrations ranging from 0.0000863 milligrams per kilogram (mg/kg) (86.3 parts per trillion [ppt]) to 0.00134 mg/kg (1,340 ppt) between 0 and 20 feet bgs. Perfluorooctane sulfonate (PFOS) was detected in 19 soil samples at concentrations ranging from 0.0000472 mg/kg (47.2 ppt) to 0.0052 mg/kg (5,200 ppt) between 0 and 15 feet bgs.

- Groundwater Quality: Two SVOCs (benzo(a)anthracene and chrysene) and four total metals (iron, lead, manganese, and sodium) and dissolved metals (iron, manganese, and sodium) were detected at concentrations above the NYSDEC Title 6 of the Official Part 703.5 and the NYSDEC Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (NYSDEC SGV). VOCs, PCBs, pesticides, and herbicides were not detected above the NYSDEC SGVs.
 - Groundwater samples were analyzed for emerging contaminants including PFOA, PFOS, and 1,4-dioxane. There are currently no NYSDEC TOGS SGVs for these compounds; however, PFOA and PFOS and 1,4-dioxane were compared to the USEPA recommended lifetime health advisory of 0.070 micrograms per liter (μ g/L) (70 ppt) and 0.35 μ g/L, respectively. PFOA and PFOS were detected above the USEPA lifetime health advisory at concentrations ranging from 0.143 μ g/L (143 ppt) to 0.178 μ g/L (178 ppt) and from 0.0843 μ g/L (84.3 ppt) to 0.13 μ g/L (130 ppt), respectively, in MW05 and MW06. 1,4-dioxane was not detected in any of the groundwater samples.
- <u>Soil Vapor</u>: Thirty-five VOCs were detected in at least one of the soil vapor, sub-slab, and/or indoor air samples, including carbon tetrachloride, cis-1,2-dichloroethene, methylene chloride, tetrachloroethene (PCE) and trichloroethene (TCE). VOCs were not detected at concentrations above the minimum mitigation thresholds outlined in the NYSDOH Decision Matrices.

May 15, 2020 Phase II ESI Report for 31-33 Wave Street, Staten Island, New York, prepared by Langan

A Phase II ESI report was prepared using the data from the April/May 2020 subsurface investigation for Lots 157, 162, and 164. The report was prepared to satisfy lender requirements prior to purchase of the property. The full analytical data set, which includes soil, groundwater and soil vapor samples collected from Lot 9, will be reported in the forthcoming Remedial Investigation Report (RIR) for the site.

Item 2 - Sampling Data

Contaminant concentrations detected above applicable regulatory standards for soil tested in August 2013 and April/May 2020 are summarized below. Laboratory analytical reports are included as an attachment.

<u>Soil</u>

Soil sample results were compared to the UU and RURR SCOs. Analytes detected above the UU SCOs are summarized below with those above the RURR SCOs shown in **bold**.

VOCs

• SB01_6-8 (6'-8'): Acetone (0.066 mg/kg)

- SB02_6-8 (6'-8'): Acetone (0.058 mg/kg)
- SB02_18-20 (18'-20'): Acetone (0.064 mg/kg)
- SB13_5-7 (5'-7'): Acetone (0.069 mg/kg)
- SODUP02_050420 (Parent Sample is SB13_5-7): Acetone (0.12 mg/kg)
- SB15_5-7 (5'-7'): Acetone (0.13 mg/kg)
- SB111_8-9 (8'-9'): Acetone (0.082 mg/kg)
- SB-4 (7-9) (7'-9'): Acetone (0.12 mg/kg)
- SB-7 (6-8) (6'-8'): Acetone (0.055 mg/kg)
- SB-8 (6-8) (6'-8'): Acetone (0.16 mg/kg)

SVOCs

- SB01_0-2 (0'-2'): benzo(a)anthracene (2.16 mg/kg), benzo(a)pyrene (2.84 mg/kg), benzo(b)fluoranthene (4.45 mg/kg), benzo(k)fluoranthene (2.2 mg/kg), chrysene (2.19 mg/kg), dibenz(a,h)anthracene (1.15 mg/kg), and indeno(1,2,3-cd)pyrene (2.59 mg/kg)
- SB05_0-2 (0'-2'): indeno(1,2,3-cd)pyrene (0.559 mg/kg)
- SB101_3-4 (3'-4'): 2-methylphenol (0.546 mg/kg), 3 & 4 methylphenol (1.47 mg/kg), benzo(a)anthracene (34.7 mg/kg), benzo(a)pyrene (46.1 mg/kg), benzo(b)fluoranthene (38 mg/kg), benzo(k)fluroanthene (35.2 mg/kg), chrysene (43.2 mg/kg), dibenz(a,h)anthracene (7.34 mg/kg), dibenzofuran (13.5 mg/kg), fluoranthene (135 mg/kg), indeno(1,2,3-cd)pyrene (26.1 mg/kg), naphthalene (15.3 mg/kg), phenanthrene (152 mg/kg), phenol (1.25 mg/kg), and pyrene (107 mg/kg)
- SB107_4.5-5.5 (4.5'-5.5'): benzo(a)anthracene (10.3 mg/kg), benzo(a)pyrene (9.43 mg/kg), benzo(b)fluoranthene (7.07 mg/kg), benzo(k)fluoranthene (7.37 mg/kg), chrysene (9.28 mg/kg), dibenz(a,h)anthracene (2.01 mg/kg), and indeno(1,2,3-cd)pyrene (4.07 mg/kg)
 - SB109_4-5 (4'-5'): benzo(a)anthracene (1.49 mg/kg), benzo(a)pyrene (2.04 mg/kg), benzo(b)fluoranthene (1.74 mg/kg), benzo(k)fluoranthene (1.56 mg/kg), chrysene (2.25 mg/kg), dibenz(a,h)anthracene (0.53 mg/kg), and indeno(1,2,3-cd)pyrene (1.24 mg/kg)

Metals

- SB01_0-2 (0'-2'): Copper (68.3 mg/kg), Lead (95.2 mg/kg), and Mercury (0.207 mg/kg)
- SB01_6-8 (6'-8'): Trivalent Chromium (85.5 mg/kg), Copper (69.1 mg/kg), Lead (166 mg/kg), Mercury (1.05 mg/kg), Nickel (503 mg/kg), and Zinc (139 mg/kg)
- SB01_18-20 (18'-20'): Trivalent Chromium (47.4 mg/kg) and Nickel (284 mg/kg)

- SB02_0-2 (0'-2'): Arsenic (17.9 mg/kg), Copper (72.1 mg/kg), Lead (98.5 mg/kg), Mercury (0.199 mg/kg), Nickel (147 mg/kg), Selenium (7.12 mg/kg), and Zinc (159 mg/kg)
- SB02_6-8 (6'-8'): Trivalent Chromium (60.5 mg/kg), Copper (50.4 mg/kg), Lead (77.8 mg/kg), Mercury (0.589 mg/kg), and Nickel (545 mg/kg)
- SB02_18-20 (18'-20'): Trivalent Chromium (36.9 mg/kg) and Nickel (244 mg/kg)
- SB03_0-2 (0'-2'): Hexavalent Chromium (1.07 mg/kg), Trivalent Chromium (34.5 mg/kg), and Nickel (100 mg/kg)
- SB03_6-8 (6'-8'): **Mercury (1.49 mg/kg)** and Nickel (51.5 mg/kg)
- SB03_18-20 (18'-20'): Trivalent Chromium (30.6 mg/kg) and Nickel (132 mg/kg)
- SB04_0-2 (0'-2'): Lead (234 mg/kg), Mercury (0.268 mg/kg), Selenium (12.6 mg/kg), and Zinc (136 mg/kg)
- SODUP01_042920 (Parent Sample is SB04_0-2): Lead (238 mg/kg), Mercury (0.264 mg/kg), and Selenium (10.2 mg/kg)
- SB04_14-16 (14'-16'): Nickel (94.6 mg/kg)
- SB04_18-20 (18'-20'): Trivalent Chromium (36.6 mg/kg) and Nickel (86.2 mg/kg)
- SB05_0-2 (0'-2'): Copper (60 mg/kg), Lead (387 mg/kg), **Mercury (1.33 mg/kg),** Nickel 74.5 mg/kg), and Zinc (274 mg/kg)
- SB05_6-8 (6'-8'): Mercury (0.653 mg/kg) and Nickel (84.3 mg/kg)
- SB05_18-20 (18'-20'): Nickel (109 mg/kg)
- SB06_0-2 (0'-2'): Lead (89.9 mg/kg)
- SB06_5-7 (5'-7'): Lead (274 mg/kg) and Nickel (133 mg/kg)
- SB06_12-14 (12'-14'): Nickel (128 mg/kg)
- SB07_0-2 (0'-2'): Lead (100 mg/kg), Selenium (5.01 mg/kg), and Zinc (283 mg/kg)
- SB07_8-10 (8'-10'): Nickel (155 mg/kg)
- SB07_18-20 (18'-20'): Nickel (86.2 mg/kg)
- SB08_0-2 (0'-2'): Trivalent Chromium (31 mg/kg), Lead (296 mg/kg), Mercury (0.771 mg/kg), Nickel (154 mg/kg), and Zinc (123 mg/kg)
- SB08_4-6 (4'-6'): Trivalent Chromium (33.6 mg/kg), Lead (441 mg/kg), Mercury (1.28 mg/kg), Nickel (325 mg/kg), Selenium (4.08 mg/kg), and Zinc (226 mg/kg)

- SB08_13-15 (13'-15'): Barium (442 mg/kg), Lead (2,080 mg/kg), Mercury (0.54 mg/kg), Nickel (114 mg/kg), and Zinc (291 mg/kg)
- SB09_0-2 (0'-2'): Nickel (71.3 mg/kg)
- SB09_4-6 (4'-6'): Mercury (0.226 mg/kg) and Nickel (69.9 mg/kg)
- SB09_13-15 (13'-15'): Trivalent Chromium (39.5 mg/kg), Lead (66 mg/kg), and Nickel (209 mg/kg)
- SB10_0-2 (0'-2'): Nickel (52.5 mg/kg)
- SB10_6-8 (6'-8'): Trivalent Chromium (32.2 mg/kg), Lead (74 mg/kg), Mercury (0.401 mg/kg), and Nickel (182 mg/kg)
- SB10_18-20 (18'-20'): Lead (58.6 mg/kg) and Nickel (47.6 mg.kg)
- SB11_0-2 (0'-2'): Nickel (57.3 mg/kg)
- SB11_10-12 (10'-12'): Trivalent Chromium (47.5 mg/kg) and **Nickel (319 mg/kg)**
- SB11_14-16 (14'-16'): Trivalent Chromium (156 mg/kg) and **Nickel (902 mg/kg)**
- SB12_0-2 (0'-2'): Lead (115 mg/kg), Mercury (0.238 mg/kg), and Nickel (71.7 mg/kg)
- SB12_8-10 (8'-10'): Trivalent Chromium (36.4 mg/kg) and Nickel (285 mg/kg)
- SB12_18-20 (18'-20'): Trivalent Chromium (195 mg/kg) and Nickel (1,200 mg/kg)
- SB13_0-2 (0'-2'): Trivalent Chromium (36.5 mg/kg), Lead (235 mg/kg), Nickel (158 mg/kg), and Zinc (124 mg/kg)
- SB13_5-7 (5'-7'): Nickel (71.5 mg/kg)
- SODUP02_050420 (Parent sample is SB13_5-7): Nickel (66 mg/kg)
- SB13_18-20 (18'-20'): Trivalent Chromium (40.9 mg/kg), Mercury (0.246 mg/kg), and Nickel (272 mg/kg)
- SB14_0-2 (0'-2'): Barium (453 mg/kg), Lead (302 mg/kg), and Nickel (31.2 mg/kg)
- SB14_6-8 (6'-8'): Trivalent Chromium (54.9 mg/kg), Lead (99.2 mg/kg), Mercury (0.465 mg/kg), and Nickel (391 mg/kg)
- SODUP03_050620 (Parent Sample is SB14_6-8): Trivalent Chromium (54.5 mg/kg), Lead (101 mg/kg), Mercury (0.516 mg/kg), and Nickel (367 mg/kg)
- SB14_18-20 (18'-20'): Trivalent Chromium (34.2 mg/kg) and Nickel (176 mg/kg)
- SB15_0-2 (0'-2'): Trivalent Chromium (32.9 mg/kg), Lead (64.4 mg/kg), and Nickel (74.1 mg/kg)

- SB15_5-7 (5'-7'): Trivalent Chromium (43.5 mg/kg), Lead (82.3 mg/kg), Mercury (0.274 mg/kg), and Nickel (309 mg/kg)
- SB15_18-20 (18'-20'): Nickel (113 mg/kg)
- SB16_0-2 (0'-2'): Hexavalent Chromium (3.35 mg/kg), Trivalent Chromium (32.2 mg/kg), and Nickel (74.4 mg/kg)
- SB16_14-16 (14'-16'): Trivalent Chromium (62.3 mg/kg) and **Nickel (510 mg/kg)**
- SB16_18-20 (18'-20'): Trivalent Chromium (129 mg/kg) and **Nickel (1,660 mg/kg)**
- SB101_3-4 (3'-4'): Copper (89.1 mg/kg), Lead (329 mg/kg), Mercury (0.234 mg/kg),
 Nickel (122 mg/kg), and Zinc (232 mg/kg)
- SB102_4-5 (4'-5'): Trivalent Chromium (36.1 mg/kg), Lead (95.7 mg/kg), and Nickel (146 mg/kg)
- SB103_2.5-3.5 (2.5'-3.5'): Cadmium (3.23 mg/kg), Trivalent Chromium (47.5 mg/kg), Lead (123 mg/kg), Mercury (0.243 mg/kg), Nickel (222 mg/kg), and Zinc (262 mg/kg)
- SB104_4.5-5.5 (4.5'-5.5'): Mercury (0.302 mg/kg) and Nickel (100 mg/kg)
- SB106_4.5-5.5 (4.5'-5.5'): Arsenic (18.8 mg/kg), Cadmium (3.79 mg/kg), Copper (66.2 mg/kg), Lead (446 mg/kg), Mercury (0.822 mg/kg), Nickel (37 mg/kg), and Zinc (890 mg/kg)
- SB107_4.5-5.5 (4.5'-5.5'): Lead (258 mg/kg), **Mercury (1.43 mg/kg)**, Nickel (64 mg/kg), and Zinc (120 mg/kg)
- SB108_7-9.5 (7'-9.5'): Trivalent Chromium (39.3 mg/kg), Copper (83.7 mg/kg), **Lead** (1,930 mg/kg), **Mercury (1.98 mg/kg)**, Nickel (145 mg/kg), and Zinc (422 mg/kg)
- SODUP04_052220 (Parent Sample is SB108_7-9.5): Barium (411 mg/kg), Trivalent Chromium (38.7 mg/kg), Copper (118 mg/kg), Lead (2,530 mg/kg), Mercury (1.81 mg/kg), Nickel (209 mg/kg), and Zinc (659 mg/kg)
- SB109_4-5 (4'-5'): **Barium (414 mg/kg)**, Copper (65.1 mg/kg), **Lead (942 mg/kg)**, Mercury (0.613 mg/kg), Nickel (60.7 mg/kg), and Zinc (440 mg/kg)
- SB110_9-10 (9'-10'): Lead (416 mg/kg), Mercury (1.25 mg/kg), Nickel (47.9 mg/kg), and Zinc (244 mg/kg)
- SB111_8-9 (8'-9'): Lead (69 mg/kg), **Mercury (5.76 mg/kg)**, Nickel (94.1 mg/kg), and Zinc (170 mg/kg)
- SB-1 (7-9) (7'-9'): Nickel (260 mg/kg)
- SB-1 (15-17) (15'-17'): Total Chromium (46 mg/kg) and Nickel (1,200 mg/kg)

- SB-2 (0-2) (0'-2'): Nickel (56 mg/kg)
- SB-2 (18-20) (18'-20'): Total Chromium (98 mg/kg) and **Nickel (1,500 mg/kg)**
- SB-3 (0-2) (0'-2'): Lead (86 mg/kg), Mercury (0.28 mg/kg), Nickel (50 mg/kg), and Zinc (130 mg/kg)
- SB-3 (18-20) (18'-20'): Nickel (190 mg/kg)
- SB-4 (7-9) (7'-9'): Total Chromium (55 mg/kg), Lead (160 mg/kg), Mercury (0.19 mg/kg), and **Nickel (430 mg/kg)**
- SB-4 (18-20) (18'-20'): Nickel (48 mg/kg)
- SB-5 (0-2) (0'-2'): Arsenic (15 mg/kg), **Barium (950 mg/kg), Cadmium (11 mg/kg),** Total Chromium (44 mg/kg), Copper (160 mg/kg), **Lead (5,800 mg/kg),** Mercury (0.45 mg/kg), Nickel (140 mg/kg), and Zinc (2,600 mg/kg)
- SB-5 (18-20) (18'-20'): Total Chromium (72 mg/kg) and Nickel (660 mg/kg)
- SB-6 (7-9) (7'-9'): Nickel (120 mg/kg)
- SB-6 (18-20) (18'-20'): Nickel (69 mg/kg)
- SB-7 (6-8) (6'-8'): Nickel (360 mg/kg)
- SB-7 (18-20) (18'-20'): Nickel (110 mg/kg)
- SB-8 (6-8) (6'-8'): Copper (55 mg/kg), Lead (380 mg/kg), Mercury (0.19 mg/kg), Nickel (310 mg/kg), and Zinc (180 mg/kg)
- SB-8 (18-20) (18'-20'): Copper (55 mg/kg) and Nickel (97 mg/kg)

PCBs

- SB12_0-2 (0'-2'): Total PCBs (0.203 mg/kg)
- SB-5 (0-2) (0'-2'): Total PCBs (0.174 mg/kg)

Pesticides

- SB02_0-2 (0'-2'): 4,4'-DDD (0.017 mg/kg), 4,4'-DDE (0.0206 mg/kg), and 4,4'-DDT (0.0293 mg/kg)
- SB02_6-8 (6'-8'): Alpha BHC (Alpha Hexachlorocyclohexane) (0.0256 mg/kg)
- SB03_0-2 (0'-2'): 4,4'-DDE (0.00877 mg/kg)
- SB04_0-2 (0'-2'): 4,4'-DDT (0.0073 mg/kg)
- SODUP01_042920 (Parent Sample is SB04_0-2): 4,4'-DDT (0.0099 mg/kg)
- SB05_0-2 (0'-2'): 4,4'-DDT (0.00426 mg/kg)

- SB11_0-2 (0'-2'): 4,4'-DDE (0.00745 mg/kg)
- SB12_0-2 (0'-2'): 4,4'-DDE (0.00686 mg/kg)
- SB15_0-2 (0'-2'): 4,4'-DDE (0.0059 mg/kg)
- SB-3 (0-2) (0'-2'): 4,4'-DDT (0.0845 mg/kg)
- SB-4 (7-9) (7'-9'): 4,4'-DDE (0.0113 mg/kg) and 4,4'-DDT (0.0646 mg/kg)
- SB-5 (0-2) (0'-2'): 4,4'-DDT (0.0537 mg/kg)
- SB-5 (18-20) (18'-20'): 4,4'-DDE (0.00882 mg/kg) and 4,4'-DDT (0.0459 mg/kg)

Groundwater

Groundwater sample results were compared to the NYSDEC SGVs. PFOA and PFOS sample results were compared to the USEPA lifetime health advisory. Analytes detected above the NYSDEC SGVs or the USEPA lifetime health advisory are summarized below.

SVOCS

- MW01_050720: benzo(a)anthracene (0.0649 μg/L) and chrysene (0.0757 mg/kg)
- TW-1: benzo(a)anthracene (0.93 μ g/L), benzo(a)pyrene (0.87 μ g/L), benzo(b)fluoranthene (1 μ g/L), benzo(k)fluoranthene (0.46 μ g/L), chrysene (1.1 μ g/L) and indeno(1,2,3-cd)pyrene (0.54 μ g/L)

Total Metals

- MW01_050720: Iron (36,100 μg/L), Manganese (1,510 μg/L), and Sodium (64,000 μg/L)
- MW02_050720: Iron (16,700 μg/L), Lead (53.9 μg/L), Manganese (738 μg/L), and Sodium (23,000 μg/L)
- MW05_043020: Iron (6,770 μg/L), Manganese (2,900 μg/L), and Sodium (96,000 μg/L)
- MW06_043020: Iron (11,400 μg/L), Manganese (1,730 μg/L), and Sodium (48,400 μg/L)
- MW08_043020: Iron (4,940 μg/L), Lead (184 μg/L), and Sodium (55,800 μg/L)
- GWDUP01_043020 (Parent Sample is MW08_043020): Sodium (55,800 μg/L)
- MW10_050720: Iron (6,890 μg/L), Manganese (334 μg/L), and Sodium (24,100 μg/L)
- MW11_051120: Iron (684 μg/L), Manganese (497 μg/L), and Sodium (35,100 μg/L)
- MW13_051120: Iron (5,540 μg/L), Manganese (1,520 μg/L), and Sodium (39,900 μg/L)
- TW-1: Beryllium (3.11 μg/L), Total Chromium (158 μg/L), Iron (67,700 μg/L), Lead (894.5 μg/L), Magnesium (94,600 μg/L), Manganese (5,924 μg/L), Nickel (1,186 μg/L), and Sodium (119,000 μg/L)

- TW-2: Total Chromium (160.6 μg/L), Iron (78,100 μg/L), Lead (184.9 μg/L), Magnesium (51,100 μg/L), Manganese (4,746 μg/L), Nickel (1,157 μg/L), and Sodium (25,700 μg/L)
- TW-3: Barium (1,462 μg/L), Beryllium (7.05 μg/L), Total Chromium (129.4 μg/L), Copper (223.5 μg/L), Iron (139,000 μg/L), Lead (116.1 μg/L), Magnesium (117,000 μg/L), Manganese (12,480 μg/L), Nickel (1,174 μg/L), and Sodium (40,300 μg/L)
- TW-4: Barium (1,994 μg/L), Beryllium (8.04 μg/L), Chromium, Total (202 μg/L), Copper (469.5 μg/L), Iron (235,000 μg/L), Lead (322.8 μg/L), Magnesium (166,000 μg/L), Manganese (18,890 μg/L), Nickel (3,342 μg/L), Selenium (10.1 μg/L), Sodium (73,400 μg/L), and Thallium (0.85 μg/L)

Dissolved Metals

- MW01_050720: Iron (35,400 μg/L), Manganese (1,400 μg/L), and Sodium (69,200 μg/L)
- MW02_050720: Iron (10,100 μg/L), Manganese (692 μg/L), and Sodium (23,300 μg/L)
- MW05_043020: Iron (5,510 μg/L), Manganese (2,700 μg/L), and Sodium (90,900 μg/L)
- MW06_043020: Iron (11,000 μg/L), Manganese (1,700 μg/L), and Sodium (47,800 μg/L)
- MW08_043020: Sodium (54,200 μg/L)
- GWDUP01_043020: Sodium (54,600 μg/L)
- MW10_050720: Iron (498 μg/L) and Sodium (24,200 μg/L)
- MW11_051120: Iron (602 μg/L), Manganese (544 μg/L), and Sodium (36,500 μg/L)
- MW13_051120: Iron (5,030 μg/L), Manganese (1,420 μg/L), and Sodium (47,300 μg/L)
- TW-1: Iron (5,830 μ g/L), Magnesium (70,600 μ g/L), Manganese (3,214 μ g/L), and Sodium (126,000 μ g/L)
- TW-2: Iron (2,660 μg/L), Manganese (2,639 μg/L), and Sodium (25,700 μg/L)
- TW-3: Iron (13,000 μg/L), Magnesium (93,500 μg/L), Manganese (4,400 μg/L), and Sodium (41,200 μg/L)
- TW-4: Iron (19,700 μg/L), Magnesium (90,800 μg/L), Manganese (3,077 μg/L), and Sodium (76,600 μg/L)

PFAS

- MW05_043020: PFOS (0.0843 μg/L, 84.3 ppt) and PFOA (0.143 μg/L, 143 ppt)
- MW06_043020: PFOS (0.13 μg/L, 130 ppt) and PFOA (0.178 μg/L, 178 ppt)

Soil Vapor

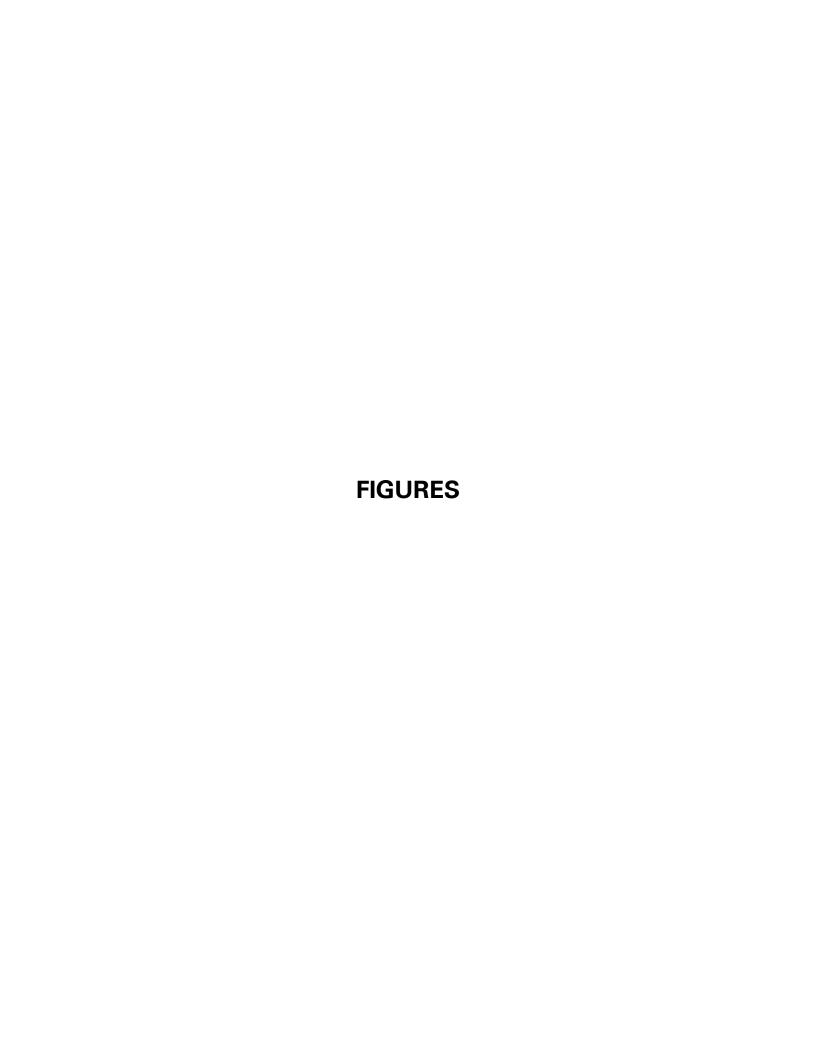
Soil vapor, sub-slab soil vapor, and indoor air samples were compared to the NYSDOH Guidance for Evaluating Soil Vapor Intrusion. Full evaluation using the Decision Matrices requires both soil vapor and indoor air data. Two indoor air samples were collected with sub-slab vapor samples within the vacant site building during the April/May 2020 subsurface investigation; however, all remaining soil vapor samples were collected from the building exterior. The Decision Matrices can still provide guidance based on soil vapor concentrations as they relate to ranges of possible indoor air concentrations. Carbon tetrachloride (28.9 micrograms per cubic meter [µg/m³]) was detected during the 2013 Phase II investigation at a concentration that could potentially warrant mitigation.

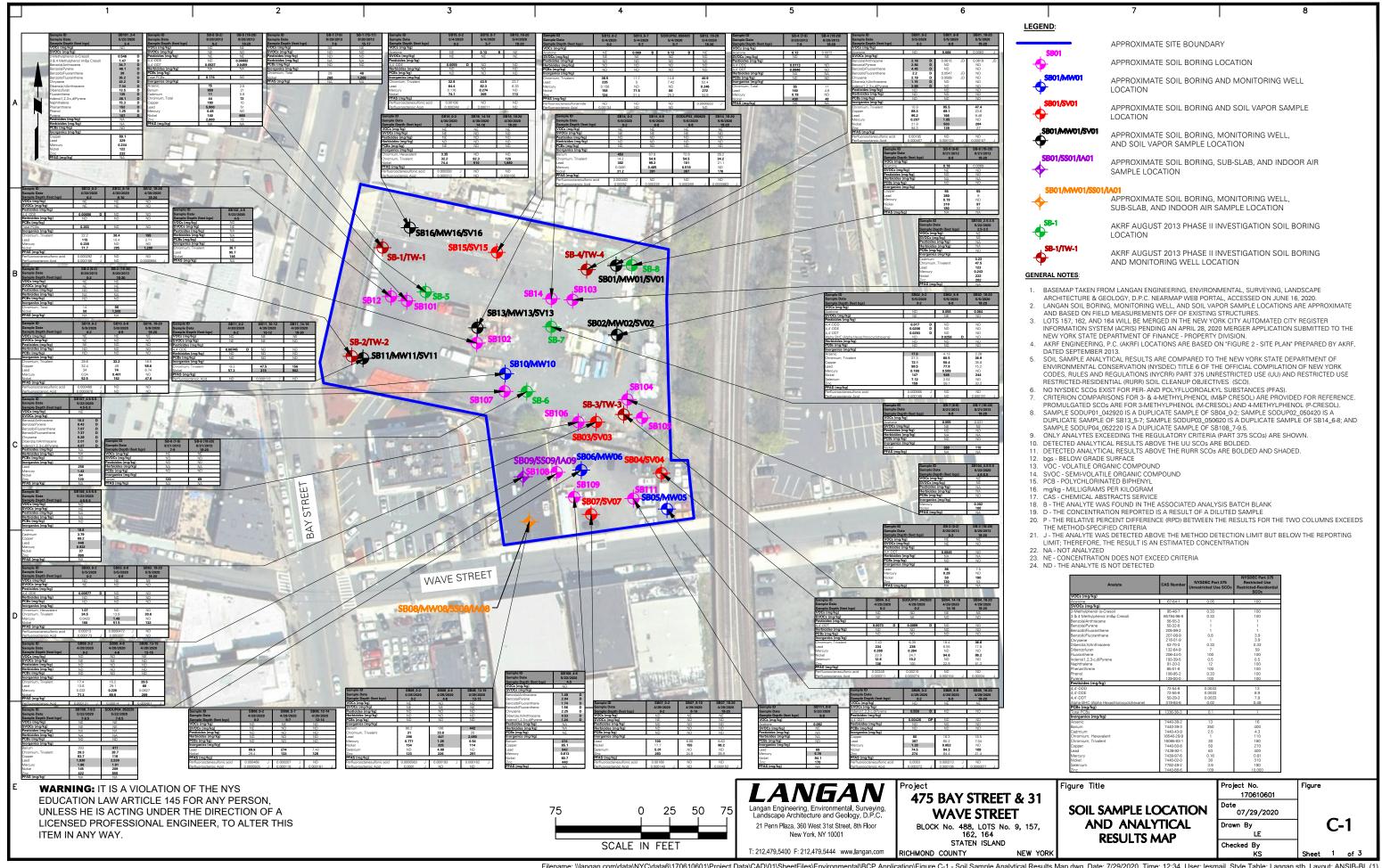
Item 3 - Site Drawings

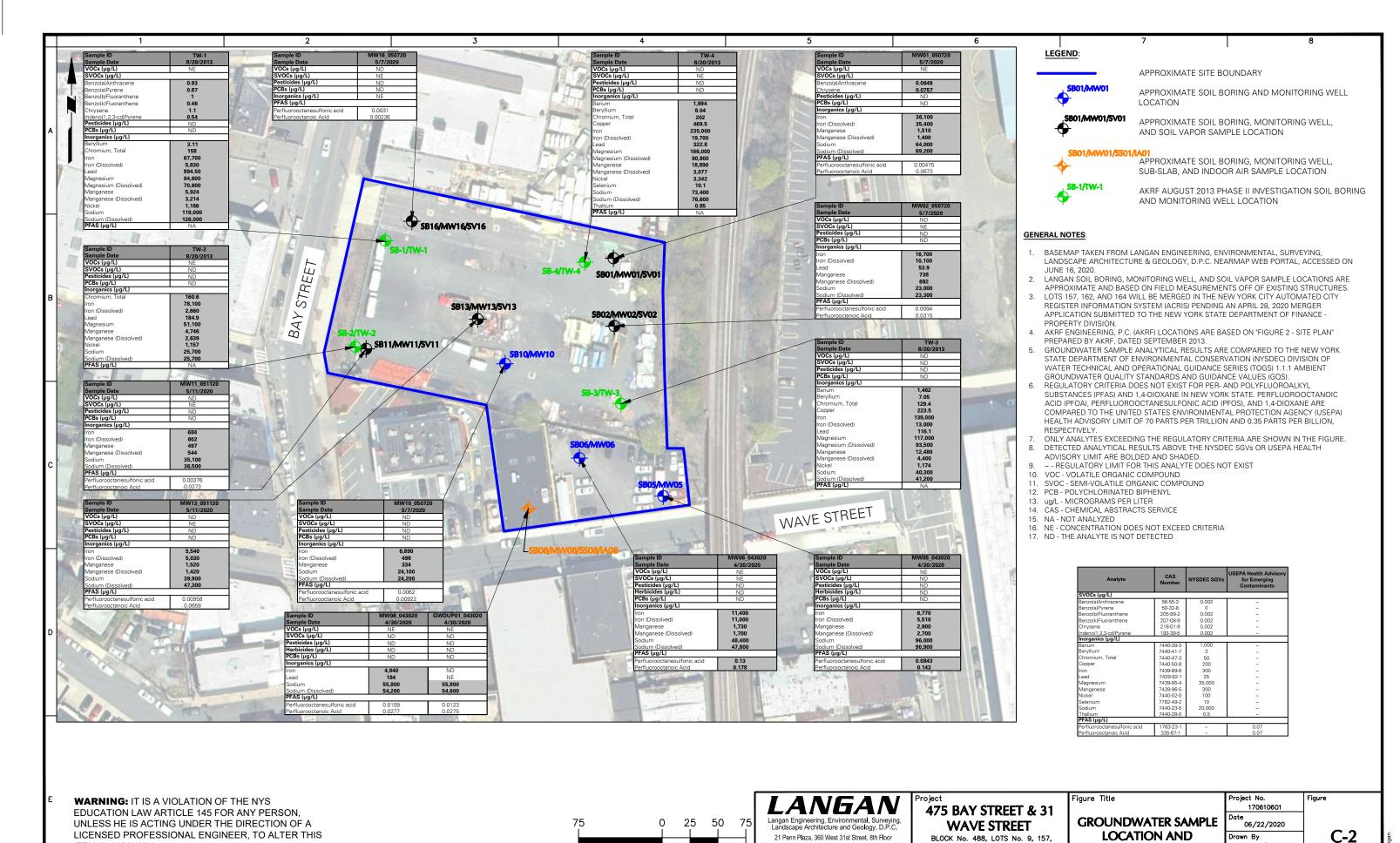
Figure C-1: Soil Sample Location and Analytical Results Map including soil sample locations advanced during the August 2013 Phase II investigation completed by AKRF and the April/May 2020 subsurface investigation completed by Langan. Analytical results exceeding the NYSDEC Title 6 NYCRR Part 375 UU SCOs are bolded. Analytical results exceeding the NYSDEC Title 6 NYCRR Part 375 RURR SCOs are bolded and shaded.

Figure C-2: Groundwater Sample Location and Analytical Results Map including groundwater sample locations advanced during the August 2013 Phase II investigation completed by AKRF and the April/May 2020 limited subsurface investigation completed by Langan. Analytical results exceeding the NYSDEC SGVs or USEPA lifetime health advisory are bolded and shaded.

Figure C-3: Soil Vapor, Sub-Slab, and Indoor Air Sample Location and Analytical Results Map including sample locations advanced during the August 2013 Phase II investigation completed by AKRF and the April/May 2020 limited subsurface investigation completed by Langan. Analytical results exceeding the minimum soil vapor concentrations recommending mitigation as set forth in the NYSDOH October Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air (and subsequent updates) are bolded and shaded.







SCALE IN FEET

ITEM IN ANY WAY.

RICHMOND COUNTY

STATEN ISLAND

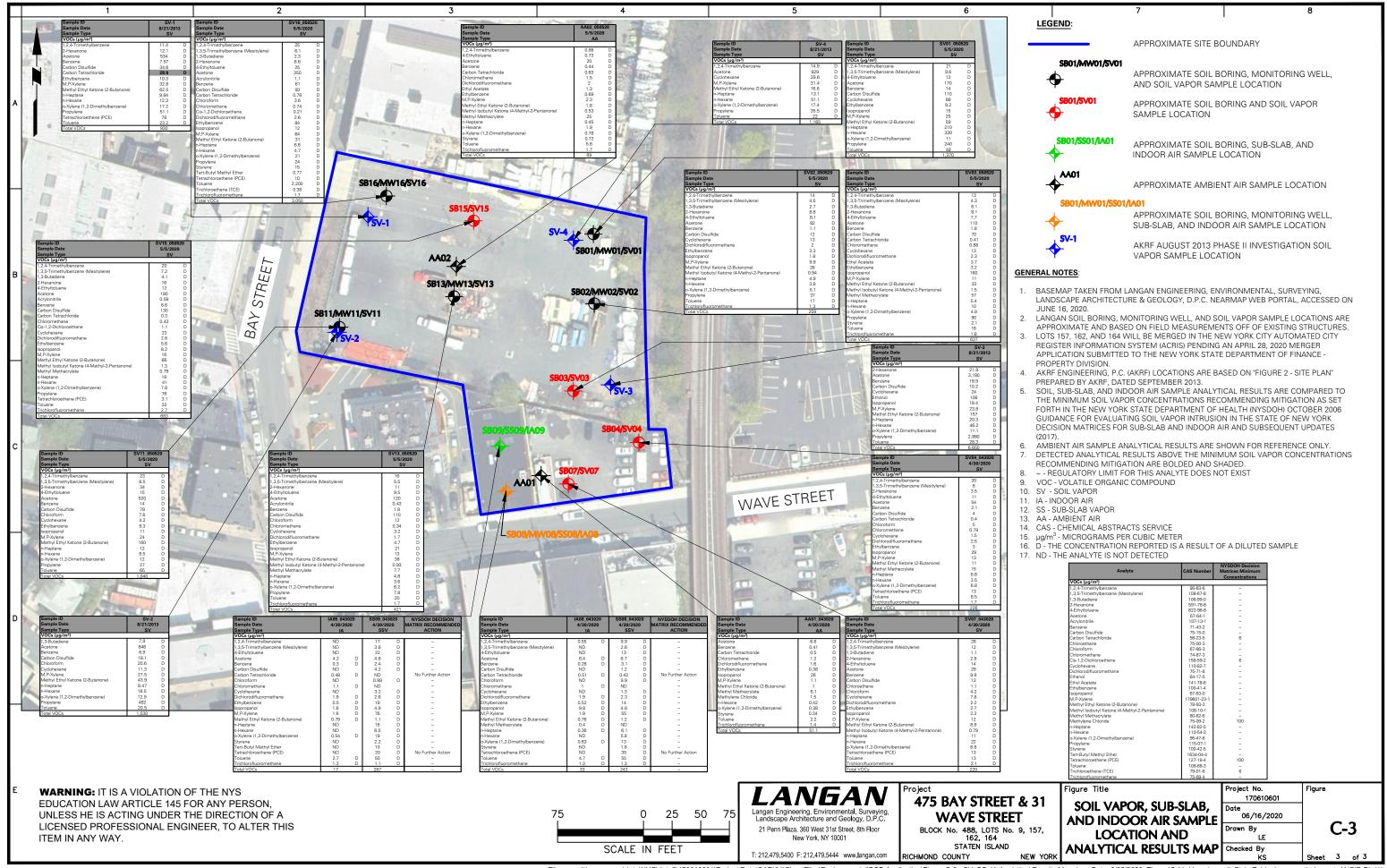
NEW YORK

ANALYTICAL RESULTS MAP

Checked By

New York, NY 10001

T: 212.479.5400 F: 212.479.5444 www.langan.com



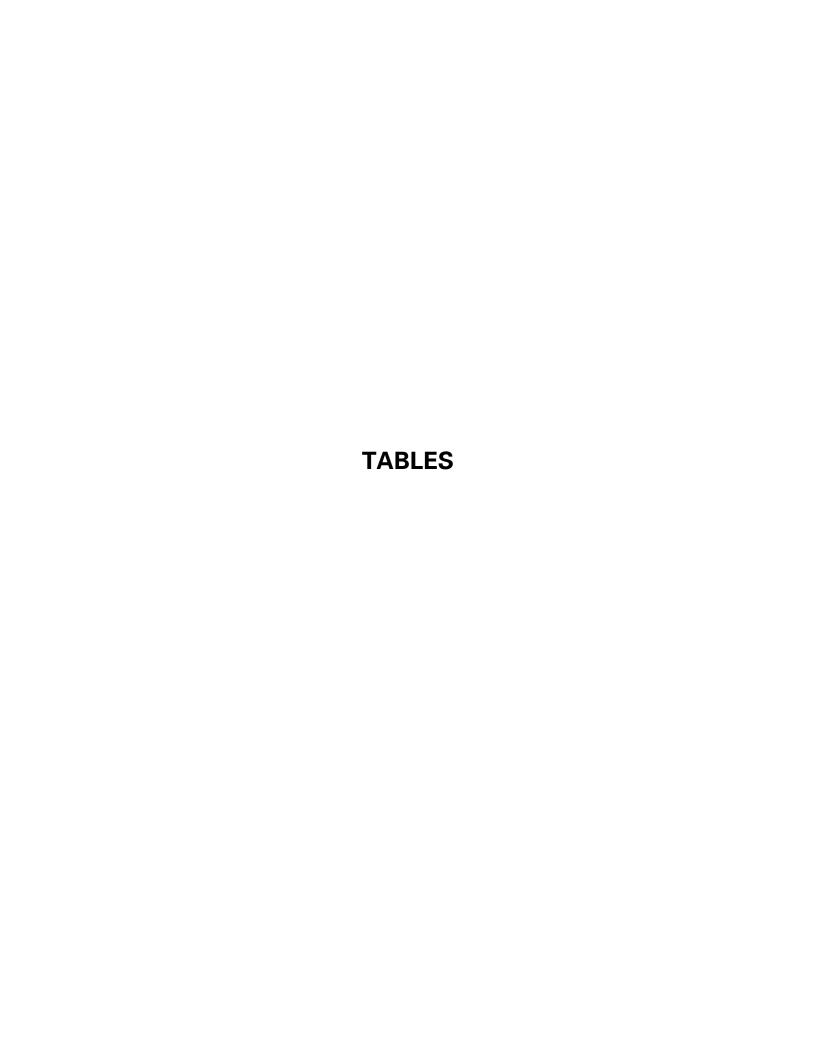


Table 1 Soil Sample Analytical Results Summary

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Location Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB01 SB01 0-2	SB01 SB01 6-8	SB01 SB01 18-20	SB02 SB02 0-2	SB02 SB02 6-8	SB02 SB02 18-20	SB03 SB03 0-2	SB03 SB03 6-8	SB03 SB03 18-20	SB04 SB04 0-2	SB04 SODUP01 042920	SB04 SB04 14-16	SB04 SB04 18-20	SB05 SB05 0-2	SB05 SB05 6-8	SB05 SB05 18-20
Sample ID Laboratory ID	Unrestricted Use	Restricted Use	SB01_0-2 20E0108-01	20E0108-02	20E0108-03	SB02_0-2 20E0108-04	SB02_6-8 20E0108-05	SB02_18-20 20E0108-06	SB03_0-2 20E0108-07	SB03_6-8 20E0108-08	20E0108-09	SB04_0-2 20D0818-01	20D0P01_042920 20D0818-12	SB04_14-16 20D0818-03	SB04_18-20 20D0818-04	SB05_0-2 20D0776-04	SB05_6-8 20D0776-05	SB05_18-20 20D0776-06
Sample Date	SCOs	Restricted- Residential SCOs	5/5/2020	5/5/2020	5/5/2020	5/5/2020	5/5/2020	5/5/2020	5/5/2020	5/5/2020	5/5/2020	4/29/2020	4/29/2020	4/29/2020	4/29/2020	4/28/2020	4/28/2020	4/28/2020
Sample Depth (feet bgs)		Residential SCOs	0-2	6-8	18-20	0-2	6-8	18-20	0-2	6-8	18-20	0-2	0-2	14-16	18-20	0-2	6-8	18-20
Volatile Organic Compounds (mg/kg)																		
Acetone	0.05	100	0.0078 U	0.066	0.0063 J	0.0066 U 0.0033 U	0.058	0.064	0.0052 U	0.0062	0.012	0.0051 U	0.0046 U 0.0023 U	0.0057 J	0.033	0.0051 U	0.0067	J 0.009
Benzene Carbon Disulfide	0.06	4.8	0.0039 U	0.0026 L	0.0021 U 0.0021 U	0.0033 U	0.0023 U 0.0023 U	0.0034 U	0.0026 U 0.0026 U	0.0023 L 0.0023 L	0.0019 U 0.0019 U	0.0026 U 0.0026 U	0.0023 U	0.0018 U	0.0043 U 0.0043 U	0.0025 U 0.0025 U	0.0024	U 0.0022 U U 0.0022 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0039 U	0.0026	0.0021 U	0.0033 U	0.0023	0.0034	0.0026 U	0.0023 L	0.0019 U	0.0026 U	0.0023 U	0.0018 U	0.0043 U	0.0025 U	0.0024	U 0.0022 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.12		0.0039 U	0.0026 L	0.0021 U	0.0033 U	0.0023 U	0.0034 U	0.0026 U	0.0023 L	0.0019 U	0.0026 U	0.0023 U	0.0018 U	0.0043 U	0.0025 U	0.0024	U 0.0022 U
Semivolatile Organic Compounds (mg/kg)					1						1							
2,4-Dimethylphenol	~	~	0.0522 U	0.0536 L	0.0473 U	0.0478 U	0.0515 U	0.0621 U	0.0466 U	0.0464 L	0.0472 U	0.0451 U	0.0458 U	0.0465 U	0.0712 U	0.0443 U	0.0471	U 0.0472 U
2-Methylnaphthalene	~	~	0.576 D	0.0536 L	0.0473 U	0.0478 U	0.0515 U	0.0621 U	0.0466 U	0.0464 L	0.0472 U	0.0451 U	0.0458 U	0.0465 U	0.0712 U	0.0443 U	0.0471	U 0.0472 U
2-Methylphenol (o-Cresol)	0.33	100	0.0522 U	0.0536 L	0.0473 U	0.0478 U	0.0515 U	0.0621 U	0.0466 U	0.0464 L	0.0472 U	0.0451 U	0.0458 U	0.0465 U	0.0712 U	0.0443 U	0.0471	U 0.0472 U
3 & 4 Methylphenol (m&p Cresol) Acenaphthene	0.33 20	100 100	0.0522 U 0.983 D	0.0536 U	0.0473 U 0.0473 U	0.0478 U 0.0478 U	0.0515 U 0.0515 U	0.0621 U 0.0621 U	0.0466 U 0.0466 U	0.0464 L 0.0464 L	0.0472 U 0.0472 U	0.0451 U 0.0451 U	0.0458 U 0.0458 U	0.0465 U 0.0465 U	0.0712 U 0.0712 U	0.0443 U 0.0443 U	0.0471	U 0.0472 U U 0.0472 U
Acenaphthylene	100	100	2.17 D	0.0536 U		0.0478 U	0.0515 U	0.0621 U	0.0466 U	0.0464 L	0.0472 U	0.0451 U	0.0458 U	0.0465 U	0.0712 U	0.0834 JD	0.0471	U 0.0472 U
Anthracene	100	100	1.41 D	0.0536 L		0.0478 U	0.0515 U	0.0621 U	0.052 JD	0.0464 L		0.0451 U	0.0458 U	0.0465 U	0.0712 U	0.0004 JD	0.0471	U 0.0472 U
Benzo(a)Anthracene	1	1	2.16 D	0.0615 J0		0.111 D	0.0706 JD	0.0621 U	0.199 D	0.0464 L	0.0472 U	0.152 D	0.113 D	0.0465 U	0.0712 U	0.55 D	0.0471	U 0.0472 U
Benzo(a)Pyrene	1 1	1	2.84 D	0.0536 L	0.0473 U	0.123 D	0.0665 JD	0.0621 U	0.197 D	0.0464 L	0.0472 U	0.172 D	0.12 D	0.0465 U	0.0712 U	0.637 D	0.0471	U 0.0472 U
Benzo(b)Fluoranthene	1 1	1 1	4.45 D	0.0536 L		0.117 D	0.0515 U	0.0621 U	0.178 D	0.0464 L	0.0472 U	0.166 D	0.134 D	0.0465 U		0.635 D	0.0471	U 0.0472 U
Benzo(g,h,i)Perylene	100	100	2.96 D	0.0536 L		0.107 D	0.0515 U	0.0621 U	0.122 D	0.0464 L	0.0472 U	0.147 D	0.105 D	0.0465 U		0.512 D		U 0.0472 U
Benzo(k)Fluoranthene	0.8	3.9	2.2 D	0.0547 JI		0.105 D	0.0599 JD	0.0621 U	0.16 D	0.0464 L	0.0472 U	0.134 D	0.118 D	0.0465 U	0.0712 U	0.553 D		U 0.0472 U
Benzyl Butyl Phthalate	~	~	0.0522 U	0.0536 L		0.0478 U	0.0515 U	0.0621 U	0.0466 U	0.0464 L		0.161 D	0.0789 JD	0.0465 U 0.0465 U	0.0712 U	0.142 D	0.0471	U 0.0472 U U 0.0472 U
Biphenyl (Diphenyl) Bis(2-Ethylhexyl) Phthalate	1 ~ I		0.0522 U 0.0522 U	0.0536 L 0.0536 L	0.0473 U 0.0473 U	0.0478 U 0.0478 U	0.0515 U 0.0515 U	0.0621 U 0.0621 U	0.0466 U 0.167 D	0.0464 L 0.0464 L	0.0472 U 0.0472 U	0.0451 U 0.0841 JD	0.0458 U 0.0458 U	0.0465 U 0.0465 U	0.0712 U 0.0712 U	0.0443 U 0.0445 JD	0.0471	U 0.0472 U U 0.0472 U
Carbazole Pritrialate		~	0.0522 U	0.0536 L	0.0473 U	0.0478 U	0.0515 U	0.0621 U	0.0466 U	0.0464 L	0.0472 U	0.0841 JL 0.0451 U	0.0458 U	0.0465 U	0.0712 U	0.0445 JD 0.0443 U	0.0471	U 0.0472 U
Chrysene	1 1	3.9	2.19 D	0.0589 JI		0.117 D	0.0673 JD	0.0621 U	0.232 D	0.0464 L	0.0472 U	0.16 D	0.132 D	0.0465 U	0.0712 U	0.765 D	0.0471	U 0.0472 U
Dibenz(a.h)Anthracene	0.33	0.33	1.15 D	0.0536 L		0.0478 U	0.0515 U	0.0621 U	0.052 JD	0.0464 L	0.0472 U	0.0451 U	0.0458 U	0.0465 U	0.0712 U	0.121 D	0.0471	U 0.0472 U
Dibenzofuran	7	59	0.0522 U	0.0536 L	0.052 JE	0.0478 U	0.0515 U	0.0621 U	0.0466 U	0.0464 L	0.0472 U	0.0451 U	0.0458 U	0.0465 U	0.0712 U	0.0443 U	0.0471	U 0.0472 U
Fluoranthene	100	100	2.91 D	0.0923 J0		0.16 D	0.122 D	0.0621 U	0.45 D	0.0464 L	0.0472 U	0.298 D	0.257 D	0.0465 U	0.0712 U	0.974 D	0.0471	U 0.0472 U
Fluorene	30	100	1.17 D	0.0536 L		0.0478 U	0.0515 U	0.0621 U	0.0466 U	0.0464 L	0.0472 U	0.0451 U	0.0458 U	0.0465 U	0.0712 U	0.0443 U	0.0471	U 0.0472 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	2.59 D	0.0536 L	0.0473 U	0.0478 U	0.0515 U	0.0621 U	0.0981 D	0.0464 L	0.0472 U	0.139 D	0.101 D	0.0465 U	0.0712 U	0.559 D	0.0471	U 0.0472 U
Naphthalene	12 100	100 100	1.9 D 1.81 D	0.0536 L 0.0536 L		0.0478 U 0.0478 U	0.0515 U 0.0515 U	0.0621 U 0.0621 U	0.0466 U 0.149 D	0.0464 L 0.0464 L	0.0472 U 0.0472 U	0.0451 U 0.119 D	0.0458 U 0.138 D	0.0465 U 0.0465 U		0.0443 U 0.278 D	0.0471	U 0.0472 U U 0.0472 U
Phenanthrene Phenol	0.33	100	1.81 D 0.0522 U			0.0478 U	0.0515 U	0.0621 U 0.0621 U	0.149 D 0.0466 U	0.0464 L	0.0472 U 0.0472 U	0.119 D 0.0451 U	0.138 D 0.0458 U	0.0465 U	0.0712 U	0.278 D 0.0443 U	0.04/1	U 0.04/2 U U 0.0472 U
Pyrene	100	100	2.58 D			0.0478 O	0.107 D	0.0621 U	0.0486 D	0.0464 L	0.0472 U	0.248 D	0.0456 D	0.0465 U	0.0712 U	1.03 D	0.0471	U 0.0472 U
Pesticides (mg/kg)				1														
4,4'-DDD	0.0033	13	0.00205 U	0.00213 L	0.00187 U	0.017 D	0.00204 U	0.00244 U	0.00182 U	0.00183 L	0.00183 U	0.00179 U	0.00178 U	0.00182 U	0.00281 U	0.00175 U	0.00189	U 0.00186 U
4,4'-DDE	0.0033	8.9	0.00205 U	0.00213 L	0.00187 U	0.0206 D	0.00204 U	0.00244 U	0.00877 D	0.00183 L	0.00183 U	0.00179 U	0.00178 U	0.00182 U	0.00281 U	0.00175 U	0.00189	U 0.00186 U
4,4'-DDT	0.0033	7.9	0.00205 U	0.00213 L	0.00187 U	0.0293 D	0.00204 U	0.00244 U	0.00182 U	0.00183 L	0.00183 U	0.0073 D	0.0099 D	0.00182 U	0.00281 U	0.00426 DP	0.00189	U 0.00186 U
Alpha BHC (Alpha Hexachlorocyclohexane)	0.02	0.48	0.00205 U	0.00213 L	0.00187 U	0.00187 U	0.0256 D	0.00244 U	0.00182 U 0.0203 DP	0.00183 L	0.00183 U	0.00179 U	0.00178 U	0.00182 U	0.00281 U	0.00175 U	0.00189	U 0.00186 U
Alpha Chlordane	0.094	4.2	0.00205 U 0.0411 U	0.00213 L		0.00187 U 0.0374 U	0.00204 U 0.0408 U	0.00244 U 0.0487 U		0.00183 L	0.00183 U	0.00179 U 0.0358 U	0.00178 U 0.0356 U	0.00182 U 0.0383 U	0.00281 U 0.0562 U	0.00175 U 0.035 U	0.00189	U 0.00196 U U 0.0371 U
Chlordane (alpha and gamma) Gamma-Chlordane	~ !	~	0.0411 U	0.00213 L	0.0375 U	0.0374 U	0.0408 U	0.0487 U	0.0364 U 0.0152 D	0.00183 L	0.0366 U	0.00179 U	0.0356 U 0.00178 U	0.0363 U	0.0062 U	0.00175 U	0.0377	U 0.0371 U
Hentachlor	0.042	2.1	0.00205	0.00213	0.00187 U	0.00187 U	0.00204 O	0.00244 U	0.00182 U	0.00183	0.00183 U	0.00179 U	0.00178 U	0.00182 U	0.00281 U	0.00175 U		
Herbicides (mg/kg)	~	2.1															0.00199	II 0.00196 II
Polychlorinated Biphenyls (mg/kg)			ND	ND	ND	ND V	ND .	ND	ND	ND	ND	ND	ND ND	ND	ND ND	0.00176 U	0.00189 ND	U 0.00186 U ND
			ND	ND	ND		ND	ND	ND	ND	ND	ND		ND				
PCB-1254 (Aroclor 1254)	~	~ .	0.0207 U	0.0215 L	0.0189 U	ND 0.0189 U	0.0206 U	0.0246 U	0.0184 U	0.0185 L	0.0185 U	0.0181 U	ND 0.018 U	0.0183 U	ND 0.0284 U	ND 0.0177 U	ND 0.019	ND U 0.0187 U
PCB-1254 (Aroclor 1254) PCB-1260 (Aroclor 1260)	~ ~	~ ~	0.0207 U 0.0207 U	0.0215 L 0.0215 L	0.0189 U 0.0189 U	ND 0.0189 U 0.0189 U	0.0206 U 0.0206 U	0.0246 U 0.0246 U	0.0184 U 0.0184 U	0.0185 L 0.0185 L	0.0185 U 0.0185 U	0.0181 U 0.0181 U	ND 0.018 U 0.018 U	0.0183 U 0.0183 U	ND 0.0284 U 0.0284 U	ND 0.0177 U 0.0177 U	ND 0.019 0.019	ND U 0.0187 U U 0.0187 U
PCB-1254 (Aroclor 1254) PCB-1260 (Aroclor 1260) Total PCBs	~ ~ 0.1	~ 1	0.0207 U	0.0215 L	0.0189 U	ND 0.0189 U	0.0206 U	0.0246 U	0.0184 U	0.0185 L	0.0185 U	0.0181 U	ND 0.018 U	0.0183 U	ND 0.0284 U	ND 0.0177 U	ND 0.019	ND U 0.0187 U
PCB-1254 (Aroclor 1254) PCB-1280 (Aroclor 1280) Total PCBs Inorganics (mg/kg)	~ ~ 0.1	~ ~ 1	0.0207 U 0.0207 U 0.0207 U	0.0215 U 0.0215 U 0.0215 U	0.0189 U 0.0189 U 0.0189 U	ND 0.0189 U 0.0189 U 0.0189 U	0.0206 U 0.0206 U 0.0206 U	0.0246 U 0.0246 U 0.0246 U	0.0184 U 0.0184 U 0.0184 U	0.0185 L 0.0185 L 0.0186 L	0.0185 U 0.0185 U 0.0185 U	0.0181 U 0.0181 U 0.0181 U	ND 0.018 U 0.018 U 0.018 U	0.0183 U 0.0183 U 0.0183 U	ND 0.0284 U 0.0284 U 0.0284 U	ND 0.0177 U 0.0177 U 0.0177 U	ND 0.019 0.019 0.019	ND 0.0187 U 0.0187 U 0.0187 U 0.0187 U
PCB-1254 (Aroclar 1254) PCB-1280 (Aroclar 1260) Total PCBs Inorganics (mg/kg) Aluminum	0.1	~ 1	0.0207 U 0.0207 U 0.0207 U 0.0207 U	0.0215 U 0.0215 U 0.0215 U 12,400	0.0189 U 0.0189 U 0.0189 U 7,240	ND 0.0189 U 0.0189 U 0.0189 U 3,190	0.0208 U 0.0206 U 0.0206 U	0.0246 U 0.0246 U 0.0246 U	0.0184 U 0.0184 U 0.0184 U 9,750	0.0185 U 0.0185 U 0.0185 U	0.0185 U 0.0185 U 0.0185 U 6,680	0.0181 U 0.0181 U 0.0181 U 2,370	ND 0.018 U 0.018 U 0.018 U 2,680	0.0183 U 0.0183 U 0.0183 U 4,900	ND 0.0284 U 0.0284 U 0.0284 U	ND 0.0177 U 0.0177 U 0.0177 U 4.430	ND 0.019 0.019 0.019 3,670	ND U 0.0187 U U 0.0187 U U 0.0187 U U 0.0187 U
PCB-1254 (Aroclor 1254) PCB-1280 (Aroclor 1280) Total PCBs Inorganics (mg/kg) Aluminum Antimony	~ _	~ ~ 1	0.0207 U 0.0207 U 0.0207 U 0.0207 U	0.0215 U 0.0215 U 0.0216 U 12,400 3.24 U	0.0189 U 0.0189 U 0.0189 U 7,240 2.85 U	ND 0.0189 U	0.0206 U 0.0206 U 0.0206 U 6,630 3.12 U	0.0248 U 0.0246 U 0.0246 U 7,020 3.73 U	0.0184 U 0.0184 U 0.0184 U 9,750 2.8 U	0.0185 L 0.0185 L 0.0185 L 4,200 2.78 L	0.0185 U 0.0185 U 0.0185 U 6,680 2.83 U	0.0181 U 0.0181 U 0.0181 U 2,370 2,72 U	ND 0.018 U 0.018 U 0.018 U 0.018 U 2,580 2,78 U	0.0183 U 0.0183 U 0.0183 U 4,900 2.8 U	ND 0.0284 U 0.0284 U 0.0284 U 13,800 4.28 U	ND 0.0177 U 0.0177 U 0.0177 U 0.0177 U 4,430 2.68 U	ND 0.019 0.019 0.019 0.019 3,670 2.88	ND U 0.0187 U U 0.0187 U U 0.0187 U U 0.0187 U U 2.0187 U U 2.83 U
PCB-1254 (Anoclor 1254) PCB-1260 (Anoclor 1260) Total PCBs Inorganics (mg/kg) Alumnum Antimony Arsenic	~ ~ 13	~ ~ 1 ~ 16 400	0.0207 U 0.0207 U 0.0207 U 3,670 3,14 U 5.22	0.0215 U 0.0215 U 0.0215 U 12,400 3.24 U 6.96	0.0189 U 0.0189 U 0.0189 U 7,240 2.85 U 1.71 U	0.0189 U 0.0189 U 0.0189 U 0.0189 U 3,190 2.87 U	0.0206 U 0.0206 U 0.0206 U 6,630 3.12 U 4.13	0.0246 U 0.0246 U 0.0246 U	0.0184 U 0.0184 U 0.0184 U 9,750	0.0185 U 0.0185 U 0.0185 U 4,200 2.78 U 1.67 U	0.0185 U 0.0185 U 0.0185 U 0.0185 U	0.0181 U 0.0181 U 0.0181 U 2.370 2.72 U 2.97	0.018 U 0.018 U 0.018 U 0.018 U 2.580 2.78 U 3.28	0.0183 U 0.0183 U 0.0183 U 4,900 2.8 U 1.68 U	ND 0.0284 U 0.0284 U 0.0284 U 13,800 4.28 U 6.15	ND 0.0177 U	ND 0.019 0.019 0.019 0.019 3,670 2.88 1.73	ND U 0.0187 U U 0.0187 U U 0.0187 U U 0.0187 U
PCB-1254 (Araclor 1254) PCB-1280 (Araclor 1280) Total PCBs Inorganics (mg/kg) Aluminum Antimony	~ _	~ ~ 1 ~ 16 400 4.3	0.0207 U 0.0207 U 0.0207 U 0.0207 U	0.0215 U 0.0215 U 0.0216 U 12,400 3.24 U	0.0189 U 0.0189 U 0.0189 U 7,240 2.85 U 1.71 U	ND 0.0189 U	0.0206 U 0.0206 U 0.0206 U 6,630 3.12 U	0.0246 U 0.0248 U 0.0246 U 7,020 3.73 U 2.28	0.0184 U 0.0184 U 0.0184 U 9,750 2.8 U 4.4	0.0185 L 0.0185 L 0.0185 L 4,200 2.78 L	0.0185 U 0.0185 U 0.0185 U 6,680 2.83 U	0.0181 U 0.0181 U 0.0181 U 2,370 2,72 U	ND 0.018 U 0.018 U 0.018 U 0.018 U 2,580 2,78 U	0.0183 U 0.0183 U 0.0183 U 4,900 2.8 U	ND 0.0284 U 0.0284 U 0.0284 U 13,800 4.28 U 6.15 37.8	ND 0.0177 U 0.0177 U 0.0177 U 0.0177 U 4,430 2.68 U	ND 0.019 0.019 0.019 0.019 3,670 2.88	U 0.0187 U 0
PCB-1254 (Arodict 1254) PCB-1260 (Arodict 1260) Total PCBs Inorganics (mg/kg) Aluminum Antimony Arsenic Barium Cadmium Cadmium	~ ~ 13 350	400 4.3 ~	0.0207 U 0.0207 U 0.0207 U 0.0207 U 3.670 3.14 U 5.22 47.5 0.377 U 2.550	0.0215 L 0.0215 L 0.0215 L 0.0215 L 12,400 3.24 L 6.86 119 0.388 L 5,580	0.0189 U 0.0189 U 0.0189 U 7,240 2.85 U 1.71 U 34.6 0.342 U 1,070	0.0189 U 0.0189 U 0.0189 U 0.0189 U 3,190 2.87 U 17.9 75.9 0.474 30,300	0.0208 U 0.0206 U 0.0206 U 6.630 3.12 U 4.13 53.9 0.374 U 2,940	0.0248 U 0.0246 U 0.0246 U 7,020 3,73 U 2.28 46.8 0.447 U 1,350	0.0184 U 0.0184 U 0.0184 U 9.750 2.8 U 4.4 61 0.335 U 59,300	0.0185 L 0.0185 L 0.0186 L 0.0186 L 4,200 2.78 L 1.67 L 27.7 0.334 L 1,450	0.0185 U 0.0185 U 0.0185 U 0.0185 U 6,680 1 2,83 U 1.7 U 32,8 0.34 U 905	0.0181 U 0.0181 U 0.0181 U 2.70 2.72 U 2.97 124 0.713 40,100	ND 0.018 U 0.018 U 0.018 U 0.018 U 2,580 2,78 U 3,28 33,6 0,774 40,100	0.0183 U 0.0183 U 0.0183 U 4,900 2.8 U 1.68 U 30.4 0.336 U 945	ND 0.0284 U 0.0284 U 0.0284 U 0.0284 U 13,800 4.28 U 6.15 37.8 0.514 U 2,280	ND 0.0177 U 0.0177 U 0.0177 U 4,430 2.68 U 6.02 207 0.705 15,100	0.019 0.019 0.019 0.019 3,670 2.88 1.73 33.8 0.345 1,230	ND U 0.0187 U U 1.7 U U 1.7 U U 1.7 U U 1.1 190
PCB-1254 (Arcelor 1254) PCB-1260 (Arcelor 1260) Total PCBs Interpretation (Arcelor 1260) Aluminum Antimony Assenic Batium Cadmium	~ ~ 13 350	400	0.0207 U 0.0207 U 0.0207 U 3.670 3.14 U 5.22 47.5 0.377 U 2,550 0.629 U	0.0215 U 0.0215 U 0.0215 U 12,400 3.24 U 6.86 119 0.388 U	0.0189 U 0.0189 U 0.0189 U 7,240 2.85 U 1.71 U 34.6 0.342 U 1.070 0.569 U	0.0189 U 0.0	0.0206 U 0.0206 U 0.0206 U 0.0206 U 6,630 3.12 U 4.13 53.9 0.374 U 2,940 0.624 U	0.0246 U 0.0246 U 0.0246 U 7,020 3.73 U 2.28 46.8 0.447 U 1,350 0.746 U	0.0184 U 0.0184 U 0.0184 U 9,750 2.8 U 4.4 61 0.335 U	0.0185 U 0.0185 U 0.0185 U 4,200 2.78 U 1.67 U 27.7 0.334 U	0.0185 U 0.0185 U 0.0185 U 0.0185 U 8,680 1 2.83 U 1.7 U 32.8 0.34 U 905 0.566 U	0.0181 U 0.0181 U 0.0181 U 2.370 2.72 U 2.97 124 0.713 40,100 0.545 U	ND 0.018 U 0.018 U 0.018 U 2.580 2.78 U 3.28 33.6 0.774 40,100 0.5555 U	0.0183 U 0.0183 U 0.0183 U 4.900 2.8 U 1.68 U 30.4 0.336 U 945 0.56 U	ND 0.0284 U 0.0284 U 0.0284 U 0.0284 U 13,800 4.28 U 6.15 37.8 0.514 U	ND 0.0177 U 0.0177 U 0.0177 U 4,430 2.68 U 6.02 207 0.705 15,100 0.635 U	ND 0.019 0.019 0.019 3,670 2.88 1.73 33.8 0.345 1,230 0.575	ND U 0.0187 U U 0.0187 U U 0.0187 U U 0.0187 U U 0.187 U U 0.187 U U 0.34 U 1.7 U 32 U 0.34 U 1.190 U 0.566 U
PCB-1254 (Arodon 1254) PCB-1260 (Arodon 1260) Total PCB- Book (Arodon Arodon Ar	13 350 2.5 1	400 4.3 ~ 110 ~	0.0207 U 0.0207 U 0.0207 U 3,670 3.14 U 5.22 47.5 0.377 U 2,550 0.629 U 10.9	0.0215 L 0.0215 L 0.0215 L 0.0215 L 12,400 3.24 L 6.86 119 0.388 L 5,580 0.647 L 85.5	7,240 2,85 U 1,71 U 34.6 0,342 U 1,070 0,569 U	0.0189 U 0.0	0.0206 U 0.0206 U 0.0206 U 0.0206 U 6,630 3.12 U 4.13 53.9 0.374 U 2,940 0.624 U 60.5	0.0248 U 0.0248 U 0.0248 U 7,020 3.73 U 2.28 48.8 0.447 U 1,350 0.746 U 36.9	0.0184 U 0.0184 U 0.0184 U 9,750 2.8 U 4.4 61 0.335 U 59,300 1.07 35.6	0.0185 L 0.0185 L 0.0185 L 0.0185 L 4,200 2.78 L 1.67 L 27.7 0.334 L 1,450 0.557 L	0.0185 U 0.0185 U 0.0185 U 0.0185 U 1.7 U 32.8 U 1.7 U 32.8 U 905 0.566 U 30.6	0.0181 U 0.0181 U 0.0181 U 2.370 2.72 U 2.97 124 0.713 40,100 0.545 U 7.43	ND 0.018 U 0.018 U 0.018 U 0.018 U 2.580 2.78 U 3.28 33.6 0.774 40,100 0.555 U 6.35	0.0183 U 0.0183 U 0.0183 U 4,900 2.8 U 1.68 U 30.4 0.336 U 945 0.56 U 18.4	ND 0.0284 U 0.0284 U 0.0284 U 0.0284 U 13,800 4.28 U 6.15 37.8 0.514 U 2.290 0.857 U 36.6	ND 0.0177 U 0.0177 U 0.0177 U 4.430 2.68 U 6.02 207 0.705 15,100 0.535 U 21.7	ND 0.019 0.019 0.019 0.019 3,670 2.88 1.73 33.8 0.345 1,230 0.575 17.5	ND U 0.0187
ACB-1254 (Accolor 1254) PCB-1260 (Accolor 1260) Total PCBs Inspanies Impagl Alumnum Artmony Artmony Artmony Calcium Colorium, Hexavalent Chromium, Total Chromium, Total	~ ~ 13 350	400 4.3 ~	0.0207 U 0.0207 U 0.0207 U 0.0207 U 3,670 3,14 U 5,22 47.5 0,377 U 2,550 0,629 U 10.9	0.0215 L 0.0215 L 0.0215 L 12,400 3.24 L 6.86 119 0.388 L 5,580 0.647 L 85.5	0.0189 U 0.0189 U 0.0189 U 7,240 2.85 U 1.71 U 34.6 0.342 U 1,070 0.569 U 47.4	ND 0.0189 U 0.0189 U 0.0189 U 0.0189 U 3,190 2.87 17.9 75.9 0.474 30,300 0.574 U 27.3 27.3	0.0206 U 0.0206 U 0.0206 U 0.0206 U 6,630 3.12 U 4.13 53.9 0.374 U 2.940 0.624 U 60.5 60.5	0.0246 U 0.0246 U 0.0246 U 7,020 3.73 U 2.28 46.8 0.447 U 1,350 0.746 U 36.9	0.0184 U 0.0184 U 0.0184 U 9,750 2.8 U 4.4 61 0.335 U 59,300 1.07 35.6 34.5	0.0185 L 0.0185 L 0.0185 L 4,200 2.78 L 1.67 L 27.7 0.334 L 1,450 0.557 L 13.9 13.9	0.0185 U 0.0185 U 0.0185 U 0.0185 U 6,680 1 2.83 U 1.7 U 32.8 0.34 U 905 0.566 U 30.6	0.0181 U 0.0181 U 0.0181 U 0.0181 U 2,370 2,72 U 2,97 124 0.713 40,100 0.545 U 7,43 7,43	ND 0.018 U 0.018 U 0.018 U 2,580 2,78 U 3,28 33,6 0,774 40,100 0,555 U 6,35	0.0183 U 0.0183 U 0.0183 U 4,900 2.8 U 1.68 U 30.4 0.336 U 945 0.56 U 18.4 18.4	ND 0.0284 U 0.0284 U 0.0284 U 13,800 4.28 U 6.15 37.8 0.514 U 2,290 0.857 U 36.6 36.6	ND 0.0177 U 0.0177 U 0.0177 U 0.0177 U 4,430 2,68 U 6,02 207 0,705 15,100 0,535 U 21.7 21.7	ND 0.019 0.019 0.019 0.019 3,670 2.88 1.73 33.8 0.345 1,230 0.575 17.5	ND U 0.0187 U U 1.7 U 32 U U 0.34 U 1.190 U 0.568 U 22 22
PGB-1254 (Anotion 1254) PGB-1260 (Anotion 1260) Total PGDB Incorpanies (Impligation 1260) Incorpanies (Implication 1260) Inc	7 13 350 2.5 7 1 2 30	400 4.3 ~ 110 ~ 180 ~	0.0207 U 0.0207 U 0.0207 U 3.670 3.14 U 5.22 47.5 0.377 U 2.550 0.629 U 10.9 10.9 4.95	0.0215 U. 0.0215 U. 0.0215 U. 0.0215 U. 12,400 3.24 U. 6.86 119 0.388 U. 5,580 0.647 U. 85.5 85.5 85.5 36.9	0.0189 U 0.0189 U 0.0189 U 7,240 2.85 U 1.71 U 34.6 0.342 U 1,070 0.589 U 47.4 47.4 16.1	ND 0.0189 U 0.0189 U 0.0189 U 3.190 2.87 17.9 75.9 0.474 30.300 0.574 U 27.3 27.3 9.08	0.0206 U 0.0206 U 0.0206 U 0.0206 U 6,630 3.12 U 4.13 53.9 0.374 U 2,940 0.624 U 60.5 60.5	0.0246 U 0.0246 U 0.0246 U 7,020 3,73 U 2.28 46.8 0.447 U 1,350 0,746 U 36.9 36.9 17.2	0.0184 U 0.0185 U 0.0	0.0185 L 0.0185 L 0.0185 L 4.200 2.78 L 1.67 L 27.7 0.334 L 1.450 0.557 L 13.9 L 13.9 L	0.0185 U 0.0185 U 0.0185 U 1 6,680 U 1.7 U 32.8 U 905 U 905 U 30.6 U 30.6 11.3	0.0181 U 0.0181 U 0.0181 U 0.0181 U 2,370 2.72 U 2,97 124 0.713 40,100 0.545 U 7,43 7,43 2.71	ND 0.018 U 0.018 U 0.018 U 2,580 2,78 U 3,28 33,6 0,774 40,100 0,555 U 6,35 6,35 6,35 2,93	0.0183 U 0.0183 U 0.0183 U 4,900 2.8 U 1.68 U 30.4 0.336 U 945 0.56 U 18.4 18.4 18.4	ND 0.0284 U 0.0284 U 0.0284 U 13,800 4.28 U 6.15 37.8 0.514 U 2,290 0.857 U 38.6 36.6 13.9	ND 0.0177 U 0.0177 U 0.0177 U 4,430 2.68 U 6.02 207 0.705 15,100 0.535 U 21.7 21.7 7,71	ND 0.019 0.019 0.019 0.019 3,670 2.88 1.73 33.8 0.345 1,230 0.575 17.5 17.5 17.5	ND U 0.0187 U 0.0187 U 0.0187 U 0.0187 U 0.0187 U 0.0187 U U 0.0187 U U 1.77 U 1.79 U 0.598 U 2.598 U 2.22 2.2 8.63
PGB-1256 (Areader 1254) PGB-1260 (Areader 1256) PGB-1260 (Areader 1256) PGB-1260 (Areader 1256) Authorities Authorities Authorities Bastellium Colcium Chromium, Hosavalent Chromium, Flotal Colcium Colcium Colcium Colcium	13 350 2.5 1	400 4.3 ~ 110 ~	0.0207 U 0.0207 U 0.0207 U 3.670 3.14 U 5.22 47.5 0.377 U 2.650 U 10.9 4.95 68.3	0.0215 L 0.0215 L 0.0215 L 12,400 3.24 L 6.86 119 0.388 L 5,580 0.647 L 85.5 85.5 36.9 69.1	0.0189 U 0.0189 U 0.0189 U 7,240 2.85 U 1.71 U 34.6 0.342 U 1.070 0.569 U 47.4 16.1 23.6	3,190 3,190 2,87 17.9 75.9 0,474 30,300 0,574 U 27.3 9,08 72.1	0.0206 U 0.0206 U 0.0206 U 0.0206 U 6,630 3.12 U 4.13 53.9 0.374 U 2,940 0.654 U 60.5 31.7 50.4	0.0246 U 0.0246 U 0.0246 U 0.0246 U 7,020 3.73 U 2.28 46.8 0.447 U 1.350 0.746 U 36.9 36.9 17.2 35.8	0.0184 U 0.0184 U 0.0184 U 9,750 2.8 U 4.4 61 0.335 U 59,300 1.07 35.6 34.5 10.4 33.6	0.0185 L 0.0185 L 0.0185 L 0.0185 L 4,200 2.78 L 1.67 27.7 0.334 L 1.450 0.557 L 13.9 13.9 5.93	0.0185 U 0.0185 U 0.0185 U 0.0185 U 1.7 U 32.8 U 1.7 U 32.8 U 0.34 U 9.06 U 30.6 U 30.6 11.3 25.6	0.0181 U 2.370 2.72 U 2.97 124 0.713 40,100 0.545 U 7.43 7.43 2.71 21.1	ND 0.018 U 0.018 U 0.018 U 0.018 U 0.018 U 2.580 2.78 U 3.28 33.6 0.774 40,100 0.5555 U 6.35 6.35 2.93 2.82	0.0183 U 0.0184 U 0.0018 U 0.0	ND 0.0284 U 0.0284 U 0.0284 U 13,800 4.28 U 6.15 37.8 0.514 U 2.290 0.857 U 36.6 13.9 12.8	ND 0.0177 U	ND 0.019 0.019 0.019 3,670 2.88 1.73 33.8 0.345 1,230 0.575 17.5 17.5 8.57 18.3	0.0187 U 0.0187 U U 1.77 U 1.77 U 0.34 U 1.190 U 0.566 U 22 22 8.63 18.5
ACB-1254 (Anotion 1254) ECB-1269 (Anotion 1260) Total PCIDs Introduced Introd	~ 13 350 2.5 ~ 1 ~ 30 ~	400 4.3 ~ 110 ~ 180 ~ 270 ~	0.0207 U 0.0207 U 0.0207 U 0.0207 U 3.670 3.14 U 5.22 47.5 0.377 U 2.550 0.629 U 10.9 10.9 4.95 68.3 9,880	0.0215 L 0.0215 L 0.0215 L 12,400 3.24 L 6.86 119 0.388 L 5,580 0.647 L 95.5 95.5 96.1 28,900	0.0189 U 0.0189 U 0.0189 U 7,240 2.85 U 1.71 U 34.6 0.342 U 1,070 0.569 U 47.4 47.4 18.1 23.6 18,200	NO 0.0189 U 0.0189 U 3,190 2.87 U 17.9 75.9 0.474 30,300 0.574 U 27.3 9.08 72.1 12,200	0.0206 U 0.0206 U 0.0206 U 0.0206 U 6,630 3.12 U 4.13 53.9 0.374 U 2,940 0.624 U 60.5 60.5 51.7 50.4 21,100	0.0246 U 0.0246 U 0.0246 U 7,020 3,73 U 2,28 48,8 0,447 U 1,380 0,746 U 36,9 36,9 36,9 17,2 36,8 17,600	0.0184 U 0.0184 U 0.0184 U 0.0184 U 0.0184 U 9,750 2.8 U 4.4 61 0.335 U 58,300 1.07 35.6 34.5 10.4 33.6 17,400	0.0185 L 0.0185 L 0.0185 L 4.200 2.78 L 1.67 L 27.7 0.334 L 1.450 0.557 L 13.9 13.9 15.93 17.9 10.000	0.0185 U 0.0185 U 0.0185 U 0.0185 U 6,680 2,83 U 1.7 U 32.8 0.34 U 905 0.586 U 30.6 30.6 30.6 11.3 25.6 15,200	0.0181 U 2.370 2.72 U 2.97 124 0.713 40,100 0.545 U 7.43 7.43 2.71 21.1 5,880 0	ND 0.018 U 0.018 U 0.018 U 2.580 2.78 U 3.28 3.3.6 0.774 40,100 0.655 U 6.35 2.93 28.2 7,350	0.0183 U 0.0183 U 0.0183 U 0.0183 U 4.900 2.8 U 1.68 U 30.4 0.336 U 945 0.56 U 18.4 18.4 18.4 8.3 20 11,000	NO 0.0284 U 0.0284 U 0.0284 U 13,800 4.28 U 6.15 37.8 0.514 U 2.280 0.857 U 38.6 38.6 13.9 12.8 22,200	ND 0.0177 U 0.0177 U 0.0177 U 4.430 2.68 U 6.02 207 0.705 15,100 0.535 U 21.7 7.71 60 15,600	ND 0.019 0.019 0.019 0.019 3,670 2.88 1.73 33.8 0.345 1,230 0.575 17.5 8.57 18.3 11,400	ND 0.0187 U 0.0188 U
PGB-1254 (Areader 1254) PCB-1260 (Areader 1260) Total PCBB Total P	7 13 350 2.5 7 1 2 30	400 4.3 ~ 110 ~ 180 ~	0.0207 U 0.0207 U 0.0207 U 3.670 3.14 U 5.22 47.5 0.377 U 2.650 U 10.9 4.95 68.3	0.0215 L 0.0215 L 0.0215 L 12,400 3.24 L 6.86 119 0.388 L 5,580 0.647 L 85.5 86.5 86.5 38.9 66.1 28,800 166	0.0189 U 1.7.1 U 34.6 0.342 U 1.070 0.569 U 47.4 16.1 23.6 18,200 9.48	NO 0.0189 U	0.0208 U 0.0208 U 0.0208 U 0.0208 U 0.0208 U 0 0.0208 U 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0246 U 0.0246 U 0.0246 U 7,020 3,73 U 2,28 46,8 0,447 U 1,350 0,746 U 36,9 17,600 15,2	0.0184 U 0.0184 U 0.0184 U 9,750 2.8 U 4.4 61 0.335 U 58,300 1.07 35.6 34.5 10.4 33.6 17,400 41.1	0.0185 L 0.0185 L 0.0185 L 4,200 2.78 L 1.67 L 27.7 0.334 L 1.450 0.557 L 13.9 5.93 17.9 10,000 4.89	0.0195 U 0.0195 U 0.0195 U 0.0195 U 0.0195 U 0.0195 U 0 0.0195 U 0.	0.0181 U 0.0	NO 018 U 0.018	0.0183 U 0.0183 U 0.0183 U 0.0183 U 4,900 2.8 U 1.68 U 30.4 0.336 U 945 0.56 U 18.4 8.3 20 11,000 6.55	ND 0.0284 U 0.0284 U 0.0284 U 13,800 4.28 U 6.15 37.8 0.514 U 2.290 0.857 U 36.6 13.9 12.8	ND 0.0177 U 4.430 2.88 U 6.02 207 0.705 15,100 0.5156 U 21.7 7.71 60 15,600 387	ND 0.019 0.019 0.019 2.88 1.73 33.8 0.345 1.230 0.575 17.5 8.57 18.3 11,400 60.2	ND 0.0187 U 0.0187 U 0.0187 U 0.0187 U U 0.0187 U U 0.0187 U U 0.0187 U U 1.7 U 0.0187 U U 0.0187 U 0.0187 U 0.0187 U 0.0188 U 0.
PGB-1256 (Areader 1254) PGB-1250 (Areader 1256) Date PCBE Date PCB	~ 13 350 2.5 ~ 1 ~ 30 ~	400 4.3 ~ 110 ~ 180 ~ 270 ~	0.0207 U 0.0209 U 0.0	0.0215 L 0.0215 L 0.0215 L 12,400 3.24 L 6.86 119 0.388 L 5,580 0.647 L 95.5 95.5 96.1 28,900	0.0189 U 0.0189 U 0.0189 U 7,240 2.85 U 1.71 U 34.6 0.342 U 1,070 0.569 U 47.4 47.4 18.1 23.6 18,200	NO 0.0189 U 0.0189 U 3,190 2.87 U 17.9 75.9 0.474 30,300 0.574 U 27.3 9.08 72.1 12,200	0.0206 U 0.0206 U 0.0206 U 0.0206 U 6,630 3.12 U 4.13 53.9 0.374 U 2,940 0.624 U 60.5 60.5 51.7 50.4 21,100	0.0246 U 0.0246 U 0.0246 U 7,020 3,73 U 2,28 48,8 0,447 U 1,380 0,746 U 36,9 36,9 36,9 17,2 36,8 17,600	0.0184 U 0.0184 U 0.0184 U 0.0184 U 0.0184 U 9,750 2.8 U 4.4 61 0.335 U 58,300 1.07 35.6 34.5 10.4 33.6 17,400	0.0185 L 0.0185 L 0.0185 L 4.200 2.78 L 1.67 L 27.7 0.334 L 1.450 0.557 L 13.9 13.9 15.93 17.9 10.000	0.0185 U 0.0185 U 0.0185 U 0.0185 U 6,680 2,83 U 1.7 U 32.8 0.34 U 905 0.586 U 30.6 30.6 30.6 11.3 25.6 15,200	0.0181 U 2.370 2.72 U 2.97 124 0.713 40,100 0.545 U 7.43 7.43 2.71 21.1 5,880 0	ND 0.018 U 0.018 U 0.018 U 2.580 2.78 U 3.28 3.3.6 0.774 40,100 0.655 U 6.35 2.93 28.2 7,350	0.0183 U 0.0183 U 0.0183 U 0.0183 U 4.900 2.8 U 1.68 U 30.4 0.336 U 945 0.56 U 18.4 18.4 18.4 8.3 20 11,000	NO 0.0284 U 0.0284 U 0.0284 U 0.0284 U 0.0284 U 13,800 4 28 U 6.15 37.8 0.514 U 2.280 0.867 U 36.6 13.9 12.8 22,200 17.8	ND 0.0177 U 0.0177 U 0.0177 U 4.430 2.68 U 6.02 207 0.705 15,100 0.535 U 21.7 7.71 60 15,600	ND 0.019 0.019 0.019 0.019 3,670 2.88 1.73 33.8 0.345 1,230 0.575 17.5 8.57 18.3 11,400	ND 0.0187 U 0.0188 U
PGB-1254 (Areader 1254) PCB-1260 (Areader 1260) Total PCBB Total P	~ 13 350 2.5 ~ 1 ~ 30 ~ 50 ~ 63 ~	400 4.3 ~ 1110 ~ 180 ~ 270 ~ 400 ~	0.0207 U 0.0207 U 0.0207 U 3.670 U 5.227 U 3.672 U 5.227 U 7.5 0.027 U 7.5 0.029 U 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9	0.0215 L 0.0215 L 0.0215 L 12,202 L 6.86 119 0.382 L 5.580 0.647 L 85.5 96.1 28,800 166 22,700	0.0189 U 0.0189 U 0.0189 U 0.0189 U 0.0189 U 0.0189 U 1.7.240 U 1.771 U 34.6 0.342 U 1.070 0.569 U 47.4 47.4 16.1 23.6 18,200 9.48 10,500	NO 0.0189 U 0.0189 U 0.0189 U 3,190 2.87 U 75.9 0.474 30,300 0.574 U 27.3 27.3 27.3 27.3 27.3 27.3 27.3 27.5 9.6 72.1 12,200 98.5 21,600	0.0206 U 0.0208 U 0.0208 U 0.0208 U 0 0.0208 U 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0246 U 0.0246 U 0.0246 U 0.0246 U 7.0246 U 7.0246 U 7.0246 U 7.0246 U 7.025	0.0184 U 9.750 4.4 6.1 6.335 U 58,300 1.07 33.6 17.400 41.1 23,700	0.0185 L 0.0185 L 0.0185 L 4.200 2.78 L 1.67 L 27.7 L 1.450 0.557 L 13.9 13.9 13.9 13.9 13.9 13.9 13.9 2.200 4.89 2.200	0.0185 U 3.83 U 3.28 U 3.44 U 3.66 U 3.0.6 U 3.0.6 15.200 6.05 3.270	0.0181 U 2.72 U 2.97 124 0.713 40.100 0.545 U 7.43 7.43 2.71 21.1 5.880 234 21,800	NO 018 U 0.018	0.0183 U 0.0184 U 0.0	NO 0284 U 0.0284 U 0.0867 U 2.290 0.867 U 2.290 U	NO NO 0.0177 U 0.0177	NO 0.019 0.019 0.019 3,670 2.88 1.73 33.8 0.345 1,230 0.575 17.5 17.5 18.57 18.3 11,400 60.2 2,750	ND 0.0187 U 0.0187 U 0.0187 U 0.0187 U 0.0187 U U
ACB-1254 (Anotion 1254) FCB-1260 (Anotion 1260) Total FCDB Congraints (Imp/light) Antimory Antimory Antimory Calcium Marsneite Chomilian, Trivialent Cobpet Coppet Septimical Magnesium Magnesium Magnesium	~ 13 350 2.5 ~ 1 ~ 30 ~ 50 ~ 63 ~ 1,600	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000	0.0207 U 0 0.0207 U 0	0.0215 L 0.0215 L 0.0215 L 0.0215 L 12,400 3.24 L 6.86 119 0.388 L 5,580 0.647 L 95.5 96.5 36.9 66.1 28,900 166 22,700 529	0.0189 U 0.0	ND 0.0189 U 0.0189 U 0.0189 U 0.0189 U 0.0189 U 3,190 2.87 U 17.9 75.9 0.474 30,300 0.574 U 27.3 27.3 27.3 27.3 27.3 27.2 21 22.1 22.10 0.199 147	0.0206 U 0.0206 U 0.0206 U 0.0206 U 0.0206 U 0 0.0206 U 0 0.0206 U 0 0.0206 U 0.0206	0.0246 U 0.0	0.0184 U 0.0	0.0185 L 0.0185 L 0.0185 L 4,200 2.78 L 1.67 L 27.7 0.334 L 1.450 0.557 L 13.9 5.93 17.9 10,000 4.89 2,280 104	0.0185 U 0.0	0.0181 U 0.0	NO 0.018 U 0.0	0.0183 U 0.0184 U 0.00184 U 0.0018	NO 0.0284 U 0.0284 U 0.0284 U 0.0284 U 0.0284 U 13,800 4 28 C 15 37.8 0.514 U 2.280 0.857 U 36.6 13.9 12.8 22,200 17.8 6,460 255	ND 0.0177 U 4.430 2.88 U 6.02 207 0.705 15,100 15,800 21.7 7.71 60 15,800 387 8,280 153	NO 0.019 0.019 0.019 3,670 2,88 1,73 33.8 1,230 0,575 17.5 17.5 17.5 17.5 18.3 11,400 60.2 2,750 120 0,653 84.3	ND 0.0187 U 0.0187 U 0.0187 U 0.0187 U 0.0187 U 0.0197 U
PGB-1254 Annoten 125-0 PGB-1260 (Annoten 125-0) PGB-1260 (Annoten 125-0	~ 13 350 2.5 ~ 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000 0.81 310	0.0207 U 0.020 U 0.02	0.0215 L 0.0215 L 12,400 3.24 L 6.86 119 0.388 L 5.580 0.847 L 85.5 8 98.1 28.00 168 22,700 529 1.06 503 2,230 0.230 1.06 503 2,230 0.230 1.06 503 2,230 0.230 1.06 503 2,230 0.230 1.06 503 2,230 0.230 1.06 503 2,230 0.230 1.06 503 2,230 0.230 1.06 503 2,230 0.230	0.0189 U 0.0189 U 0.0189 U 7.240 2.85 U 1.71 U 34.6 0.342 U 1.070 0.599 U 47.4 4 1 1 1 1 1 1 2.6 1 2.6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ND 0.0189 U 0.0189 U 0.0189 U 0.0189 U 3.180	0.0206 U 0.0206 U 0.0206 U 0.0206 U 0.0206 U 0 0.0206 U 0.0206 U 0	7,020 3,73 4,84 4,85 4,85 4,86 4,87 4,86 4,87 4,86 4,87 4,86 4,87 4,87 4,87 4,87 4,87 4,87 4,87 4,87	0.0184 U 0.0184 U 0.0184 U 0.0184 U 9,750 2.8 U 4.4 61 0.335 U 59,300 1.07 35.6 1 1.2 6 17,400 41.1 23,700 32.7 0.0422 100 1.920	0.0185 L 0.0185 L 0.0185 L 4.200 L 2.78 L 1.67 L 27.7 L 3.34 L 1.450 0.557 L 13.9 5.93 17.9 10,000 4.89 2,280 104 1.49 51.5 840	0.0185 U 0.0	0.0181 U 0.0181 U 0.0181 U 0.0181 U 0.0181 U 0.0181 U 0	NO 0.018 U 0.0	0.0183 U 0.0183 U 0.0183 U 0.0183 U 0.0183 U 1.68 U 3.04 U 945 U 18.4 18.4 18.4 18.4 19.00 6.55 2,850 121 0.0336 U 94.6 928	ND 0.0284 U 0.0284 U 0.0284 U 0.0284 U 0.0284 U 0.0284 U 0.0286 U 861 U 2.290 0.867 U 36.6 13.9 12.8 22.200 12.8 22.200 U 1778 0.6 13.9 12.8 1778 U 2.20 0.867 U 36.6 13.9 12.8 1778 U 36.6 13.9 12.8 U 36.6 13.9 U 36.6 13.9 U 36.6 13.9 U 36.6	ND ND 10177 U 0.0177	ND 0.019 0.019 0.019 0.019 0.019 0.019 3.870 2.88 1.73 33.8 0.345 1.230 0.575 17.5 17.5 17.5 17.5 18.3 11.400 60.2 2.750 120 0.653 84.3 709	ND U 0.0187 U 0.0187 U U 0.0187 U U 0.0187 U U U 0.0187 U U U 0.0187 U U U 0.0187 U
PGB-1256 (Areador 1254) PGB-1260 (Areador 1256) PGB-1260 (Areador 1256) PGB-1260 (Areador 1256) Authorition Authorition Authorition Cadmium Alexander Cadmium Alexander	~ 13 350 2.5 1 ~ 30 ~ 50 ~ 63 ~ 1,600 0.18	400 4.3 110 180 270 400 0.81 310 180	0.0207 U 0.0207 U 0.0207 U 0.0207 U 3.670 3.14 U 5.22 4.37 U 2.550 0.629 U 10.9 10.9 10.9 4.95 68.3 95.2 1.100 2.23 0.207 2.19 376 3.14 U	0.0215 L 0.0215 L 0.0215 L 12,400 1 2,24 6,88 1 6,88 1 19 0.388 L 5,580 0.647 L 85.5 28.9 69.1 28,800 166 22,700 529 1.05 503 2,230 3,24 L	0.0189 U 0.0189 U 0.0189 U 0.0189 U 0.0189 U 0 0.0189 U 0 0.0189 U 0 0.0189 U 0 0.0180 U 0.01	ND 0.0189 U 0.0189 U 0.0189 U 0.0189 U 0.0189 U 3,190 2.87 U 17.9 75.9 0.474 30,300 0.574 U 27.3 27.3 27.3 27.1 2,200 98.5 21,600 110 0.199 147 443 7.12	0.0206 U 0.0206 U 0.0206 U 0.0206 U 0.0206 U 0 0.0206 U 0 0 0.0206 U 0.020	0.0246 U 0.0247 U 0.0	0.0184 U 0.0185 U 0.000 U 0.0	0.0185 L 0.0185 L 0.0186 L 0.0186 L 2.78 L 2.78 L 2.7.7 0.334 L 1.450 0.557 L 13.9 13.9 1.99 1.000 4.89 2.200 1.000 4.89 2.200 1.04 1.49 51.5 840 2.78 L	0.0185 U 0.0	0.0181 U 0.0	NO 0.018 U 0.0	0.0183 U 0.0	NO 0.0284 U 0.0285 U 0.0857 U	NO NO 177 U 0.0177 U	NO 0.019 0.0	NO. U 0.0187 U 0.0187 U U 1.018 U 0.018 U
PGB-1254 (Areader 125-4) PGB-1260 (Areader 126-6) Total PCBB Uncompanies (Implight Uncom	~ 13 350 2.5 ~ 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000 0.81 310	0.0207 U 0.020 U 0.02	0.0215 L 0.0215 L 12,400 3.24 L 6.86 119 0.388 L 5.580 0.847 L 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5	0.0189 U 0.0189 U 0.0189 U 7.240 2.85 U 1.71 U 34.6 0.342 U 1.070 0.569 U 47.4 4 47.4 4 47.4 4 4 4.4 4 4.4 4 4 4.4 4 4 4	ND 0.0189 U	0.0206 U 0.0	0.0246 U 0.0	0.0184 U 0.0184 U 0.0184 U 0.0184 U 9,750 2.8 U 4.4 61 0.335 U 59,300 1.07 35.6 3 10.4 1 10.4 1 123,700 327 0.0422 100 1.920 2.8 U	0.0185 L 0.0185 L 0.0185 L 4.200 2.78 L 1.67 L 2.77 0.334 L 1.450 0.557 L 13.9 10.000 L 4.89 2.200 104 1.49 51.5 840 2.78 L 5.84 0.557 L	0.0185 U 0.00 0.00 U 0.00	0.0181 U 0.0	ND 0.018 U 0.0	0.0183 U 0.0184 U 0.0	NO 0.0284 U 0.0857 U 0.857 U 0.857 U 0.857 U 0.857 U 0.857 U 0.857 U 0.0857	NO N	ND 0.019 0.0	ND. U 0.0187
ACB-1254 (Anodor 1254) PCB-1260 (Anodor 1250) Table (PCB- Table (P	~ 13 350 2.5 ~ 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	400 4.3 110 180 270 400 0.81 310 180	0.0207 U 0.0207 U 0.0207 U 0.0207 U 3.670 3.14 U 5.22 47.5 2.520 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.	0.0215 L 0.0215 L 0.0215 L 12,400 3.24 L 6.86 1 6.86 1 6.85 5 6.81 2 88.5 8 89.5 8 89.5 8 10.83 L 10.83 L 1	0.0189 U 0.0189 U 0.0189 U 0.0189 U 0.0189 U 0.0189 U 0 0.0189 U 0 0.0189 U 0 0.0189 U 0.0189	ND 0.0189 U 0.0189 U 0.0189 U 0.0189 U 2.87 7.9 7.9 7.9 0.474 30,300 0.574 U 27.3 20 98.5 21,600 110 0.199 141 2,200 98.5 21,600 110 0.199 142 0.574 U 128	0.0208 U 0.0	0.0246 U 0.0246 U 0.0246 U 0.0246 U 0.0246 U 0.0246 U 0 0.0246 U 0 0.0246 U 0 0.0246 U 0 0.0246 U 0.0247 U 0.02	0.0184 U 0.0	0.0185 L 0.0185 L 0.0185 L 4.200 L 2.78 L 1.67 L	0.0185 U 17.7 U 2.23 U 2.23 U 2.25 6 U 2.25 6 U 2.25 6 U 2.25 0 U 2.25 0 U 2.25 0 U 2.25 U 1.25 0 U 2.25 U 1.25 U 2.25 U 2.	0.0181 U 0.0	NO	0.0183 U 0.0184 U 0.0	ND 0.0284 U 0.0294 U 0.0294 U 13.800 0 13.800 0 13.801 0	NO	NO 019 0.019	NO. U 0.0187
PGB-1254 Monotor 125-01 PGB-1250 Monotor 12500 Total PCBB Userganics Implig Userganics Implig Userganics Implig Userganics Implig Userganics Us	7 3 3 3 5 0 2.5 7 1 7 3 0 7 5 0 7 1 8 3 0 7 7 1 8 3 0 7 7 7 1 8 3 0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	400 4.3 ~ 110 ~ 180 ~ 400 ~ 2,000 0.81 310 ~ 180 180	0.0207 U 0.0207 U 0.0207 U 0.0207 U 3.670 3.14 U 3.672 47.5 0.377 U 2.550 0.629 U 10.9 10.9 10.9 10.9 2.23 0.207 21.9 376 0.223 0.207 21.9 0.223 0.241 U 0.629 U 0.629 U	0.0215 L 0.0	0.0189 U 0.000 U 0.00	NO 0.0189 U 0.0189 U 0.0189 U 0.0189 U 0.0189 U 0 0.0189 U 0 0.0189 U 0 0.0189 U 0 0.0189 U 0	0.0206 U 0.0206 U 0.0206 U 0.0206 U 0.0206 U 0 0.0206 U	0.0246 U 0.0246 U 0.0246 U 7,020 3.73 U 2.8	0.0184 U 0.0185 U 0.0	0.0185 L 0.0185 L 0.0185 L 1.07 L 2.78 L 1.67 L 2.77 L 2.77 L 2.77 L 2.77 L 2.77 L 2.77 L 2.77 L 2.79 L 2.79 L 2.79 L 2.89 L 2.89 L 2.89 L 2.89 L 2.89 L 2.89 L 2.89 L 2.78 L 2.78 L 2.78 L 2.77 L 2.7	0.0185 U 0.0	0.0181 U 0.0	NO 0.018 U 0.0	0.0183 U 0.0183 U 0.0183 U 0.0183 U 0.0183 U 0.0183 U 0 0.0183 U 0 0.0183 U 0 0.0183 U 0.0184	ND	NO	ND 0.019 0.0	U 0.0187 U 0
PGB-1256 (Areader 1254) PGB-1260 (Areader 1256) PGB-1260 (Areader 1260) PGB-12	~ 13 350 2.5 ~ 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	400 4.3 110 180 270 400 0.81 310 180	0.0207 U 0.0207 U 0.0207 U 0.0207 U 3.670 3.14 U 5.22 47.5 2.520 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.	0.0215 L 0.0215 L 0.0215 L 12,400 3.24 L 6.86 1 6.86 1 6.85 5 6.81 2 88.5 8 89.5 8 89.5 8 10.83 L 10.83 L 1	0.0189 U 0.0189 U 0.0189 U 0.0189 U 0.0189 U 0.0189 U 0 0.0189 U 0 0.0189 U 0 0.0189 U 0.0189	ND 0.0189 U 0.0189 U 0.0189 U 0.0189 U 2.87 7.9 7.9 7.9 0.474 30,300 0.574 U 27.3 20 98.5 21,600 110 0.199 141 2,200 98.5 21,600 110 0.199 142 0.574 U 128	0.0208 U 0.0	0.0246 U 0.0246 U 0.0246 U 0.0246 U 0.0246 U 0.0246 U 0 0.0246 U 0 0.0246 U 0 0.0246 U 0 0.0246 U 0.0247 U 0.02	0.0184 U 0.0	0.0185 L 0.0185 L 0.0185 L 4.200 L 2.78 L 1.67 L	0.0185 U 17.7 U 2.23 U 2.23 U 2.25 6 U 2.25 6 U 2.25 6 U 2.25 0 U 2.25 0 U 2.25 0 U 2.25 U 1.25 0 U 2.25 U 1.25 U 2.25 U 2.	0.0181 U 0.0	NO	0.0183 U 0.0184 U 0.0	ND 0.0284 U 0.0294 U 0.0294 U 13.800 0 13.800 0 13.801 0	NO	NO 019 0.019	NO. U 0.0187
PGB-1326 (Areador 1254) PGB-1320 (Areador 1200) FGB-1320 (Areador 1200) FGB-13	7 3 3 3 5 0 2.5 7 1 7 3 0 7 5 0 7 1 8 3 0 7 7 1 8 3 0 7 7 7 1 8 3 0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	400 4.3 ~ 110 ~ 180 ~ 400 ~ 2,000 0.81 310 ~ 180 180	0.0207 U 0.0207 U 0.0207 U 0.0207 U 3.670 3.14 U 3.672 47.5 0.377 U 2.550 0.629 U 10.9 10.9 10.9 10.9 2.23 0.207 21.9 376 0.223 0.207 21.9 0.223 0.241 U 0.629 U 0.629 U	0.0215 L 0.0	0.0189 U 0.000 U 0.00	ND 0.0189 U 0.0189 U 0.0189 U 0.0189 U 2.87 U 17.9 75.9 75.9 75.9 75.9 75.9 75.9 75.9 7	0.0206 U 0.0206 U 0.0206 U 0.0206 U 0.0206 U 0 0.0206 U	0.0246 U 0.0246 U 0.0246 U 7,020 3.73 U 2.8	0.0184 U 0.0185 U 0.0	0.0185 L 0.0185 L 0.0185 L 1.07 L 2.78 L 1.67 L 2.77 L 2.77 L 2.77 L 2.77 L 2.77 L 2.77 L 2.77 L 2.79 L 2.79 L 2.79 L 2.89 L 2.89 L 2.89 L 2.89 L 2.89 L 2.89 L 2.89 L 2.78 L 2.78 L 2.78 L 2.77 L 2.7	0.0185 U 0.0	0.0181 U 0.0	NO 0.018 U 0.0	0.0183 U 0.0183 U 0.0183 U 0.0183 U 0.0183 U 0.0183 U 0 0.0183 U 0 0.0183 U 0 0.0183 U 0.0184	ND	NO	ND 0.019 0.0	U 0.0187 U 0

Table 1 Soil Sample Analytical Results Summary

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Location Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB06 SB06 0-2	SB06 SR06 5-7	SB06 SR06 12-14	SB07 SB07 0-2	SB07 SB07 8-10	SB07 SB07 18-20	SB08 SB08 0-2	SB08 SB08 4-6	SB08 SB08 13-15	SB09 SB09 0-2	SB09 SB09 4-6	SB09 SB09 13-15	SB10 SB10 0-2	SB10 SB10 6-8	SB10 SR10 18-20	SB11 SB11 0-2
Laboratory ID	Unrestricted Use	Restricted Use	20D0818-05	20D0818-06	20D0818-07	20D0818-09	20D0818-10	20D0818-11	20D0776-07	20D0776-08	20D0776-09	20D0776-01	20D0776-02	20D0776-03	20E0134-01	20E0134-02	20E0134-03	20D0849-07
Sample Date	SCOs	Restricted- Residential SCOs	4/29/2020	4/29/2020	4/29/2020	4/29/2020	4/29/2020	4/29/2020	4/28/2020	4/28/2020	4/28/2020	4/28/2020	4/28/2020	4/28/2020	5/6/2020	5/6/2020	5/6/2020	4/30/2020
Sample Depth (feet bgs)		Residential acos	0-2	5-7	12-14	0-2	8-10	18-20	0-2	4-6	13-15	0-2	4-6	13-15	0-2	6-8	18-20	0-2
Volatile Organic Compounds (mg/kg)																		
Acetone Benzene	0.05	100 4.8	0.0044 U 0.0022 U	0.02 0.0037 U	0.0039 U 0.0019 U	0.0044 U 0.0022 U	0.0047 J 0.0021 U	0.0067 J 0.0024 U	0.01 J 0.0027 U	0.005	J 0.0054 U J 0.0027 U	0.0046 U 0.0023 U	0.0037 U 0.0018 U	0.03 0.0024 U	0.015 B 0.0036 U	0.019 B 0.0026 U	0.0051 .	JB 0.0048 U U 0.0024 U
Carbon Disulfide	0.00	4.0	0.0022 U	0.0037 U	0.0019 U	0.0022 U	0.0021 U	0.0024 U	0.0027 U	0.0025	J 0.0027 U	0.0023 U	0.0018 U	0.0024 U	0.0036 U	0.0026 U		U 0.0024 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0022 U	0.0037 U	0.0019 U	0.0022 U	0.0021 U	0.0024 U	0.0027 U	0.0025	J 0.0027 U	0.0023 U	0.0018 U	0.0024	0.0036 U	0.0026 U		U 0.0024 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	~	0.0022 U	0.0037 U	0.0019 U	0.0022 U	0.0021 U	0.0024 U	0.0027 U	0.0025	J 0.0027 U	0.0023 U	0.0018 U	0.0024 U	0.0036 U	0.0026 U	0.002	U 0.0024 U
Semivolatile Organic Compounds (mg/kg)				_	,		_	_			_				_			_
2,4-Dimethylphenol	~	~	0.0468 U 0.0468 U	0.0518 U	0.0482 U	0.0459 U	0.0477 U 0.0477 U	0.0535 U	0.0439 U	0.0461	J 0.0601 U J 0.0601 U	0.044 U	0.0441 U 0.0441 U	0.0469 U	0.0465 U	0.0483 U	0.0474	U 0.221 U
2-Methylnaphthalene 2-Methylphenol (o-Cresol)	0.33	100	0.0468 U	0.0518 U 0.0518 U	0.0482 U 0.0482 U	0.0459 U 0.0459 U	0.0477 U	0.0535 U 0.0535 U	0.0439 U 0.0439 U	0.0461	J 0.0601 U	0.044 U	0.0441 U	0.0469 U 0.0469 U	0.0465 U 0.0465 U	0.0483 U 0.0483 U	0.0474	U 0.221 U U 0.221 U
3 & 4 Methylphenol (m&p Cresol)	0.33	100	0.0468 U	0.0518 U	0.0482 U	0.0459 U	0.0477 U	0.0535 U	0.0439 U	0.0461	J 0.0601 U	0.044 U	0.0441 U	0.0469 U	0.0465 U	0.0483 U	0.0474	U 0.221 U
Acenaphthene	20	100	0.0468 U	0.0518 U	0.0482 U	0.0459 U	0.0477 U	0.0535 U	0.0439 U	0.0461	J 0.0601 U	0.044 U	0.0441 U	0.0469 U	0.0465 U	0.0483 U	0.0474	U 0.221 U
Acenaphthylene	100	100	0.0468 U	0.0518 U	0.0482 U	0.0459 U	0.0477 U	0.0535 U	0.0439 U	0.0461	J 0.0601 U	0.044 U	0.0441 U	0.0469 U	0.0465 U	0.0483 U	0.0474	U 0.221 U
Anthracene	100	100	0.0468 U	0.0518 U	0.0482 U	0.0459 U	0.0477 U	0.0535 U	0.0701 JD	0.0461	J 0.0601 U	0.044 U	0.0441 U	0.0469 U	0.0601 JD	0.0483 U	0.0474	U 0.221 U
Benzo(a)Anthracene Benzo(a)Pyrene	1	1	0.112 D 0.104 D	0.0518 U 0.0518 U	0.0482 U 0.0482 U	0.0459 U 0.0549 JD	0.0477 U 0.0477 U	0.0535 U 0.0535 U	0.249 D 0.264 D	0.0537 L 0.0581 L	D 0.321 D D 0.322 D	0.0773 JD 0.0906 D	0.0441 U 0.0441 U	0.0469 U 0.0469 U	0.204 D 0.187 D	0.0483 U 0.0483 U	0.0474	U 0.314 JD U 0.307 JD
Benzo(b)Fluoranthene	1	1	0.104 D	0.0518 U	0.0482 U	0.0349 33	0.0477 U	0.0535 U	0.201 D	0.0478	D 0.326 D	0.0794 JD	0.0441 U	0.0469	0.197 D	0.0483		U 0.289 JD
Benzo(a.h.i)Pervlene	100	100	0.0589 JD	0.0518 U	0.0482 U	0.0475 JD		0.0535 U	0.162 D	0.0461	J 0.226 D	0.0604 JD	0.0441 U	0.0469 U	0.125 D	0.0483 U		U 0.221 U
Benzo(k)Fluoranthene	0.8	3.9	0.0843 JD	0.0518 U	0.0482 U	0.0483 JD		0.0535 U	0.102 D	0.0461	J 0.257 D	0.0625 JD	0.0441 U	0.0469 U	0.165 D	0.0483 U		U 0.236 JD
Benzyl Butyl Phthalate	~	~	0.0468 U	0.0518 U	0.0482 U	0.169 D	0.0477 U	0.0535 U	0.0439 U	0.0461	J 0.0601 U	0.044 U	0.0441 U	0.0469 U	0.0465 U	0.0483 U		U 0.221 U
Biphenyl (Diphenyl)	~	~	0.0468 U	0.0518 U	0.0482 U	0.0459 U	0.0477 U	0.0535 U	0.0439 U	0.0461	J 0.0601 U	0.044 U	0.0441 U	0.0469 U	0.0465 U	0.0483 U	0.0474	U 0.221 U
Bis(2-Ethylhexyl) Phthalate	~	~	0.0468 U 0.0468 U	0.0518 U	0.0482 U	0.0658 JD	0.0477 U	0.0535 U	0.24 D	0.0461	J 0.0601 U	0.044 U	0.0441 U	0.0469 U 0.0469 U	0.102 D	0.0483 U	0.0474	U 0.221 U
Carbazole Chrysene	~	3.9	0.0468 U 0.0984 D	0.0518 U 0.0518 U	0.0482 U 0.0482 U	0.0459 U 0.0483 JD	0.0477 U 0.0477 U	0.0535 U 0.0535 U	0.0439 U 0.222 D	0.0461	J 0.0801 U	0.044 U 0.0843 JD	0.0441 U 0.0441 U	0.0469 U 0.0469 U	0.0465 U 0.229 D	0.0483 U 0.0483 U	0.0474	U 0.221 U U 0.36 .ID
Dibenzia.h)Anthracene	0.33	0.33	0.0984 D	0.0518 U	0.0482 U	0.0483 JD 0.0459 U	0.0477 U	0.0535 U	0.222 D	0.05	J 0.0662 JD	0.0843 JD 0.044 U	0.0441 U	0.0469 U	0.229 D 0.0465 U	0.0483 U	0.0474	U 0.36 JD
Dibenzofuran	7	59	0.0468 U	0.0518 U	0.0482 U	0.0459 U	0.0477 U	0.0535 U	0.0439 U	0.0461	J 0.0601 U	0.044 U	0.0441 U	0.0469 U	0.0465 U	0.0483 U	0.0474	U 0.221 U
Fluoranthene	100	100	0.166 D	0.0518 U	0.0482 U	0.0614 JD		0.0535 U	0.522 D	0.0758	D 0.585 D	0.162 D	0.0457 JD	0.0469 U	0.484 D	0.0483 U	0.0474	U 0.67 D
Fluorene	30	100	0.0468 U	0.0518 U	0.0482 U	0.0459 U	0.0477 U	0.0535 U	0.0439 U	0.0461	J 0.0601 U	0.044 U	0.0441 U	0.0469 U	0.0465 U	0.0483 U	0.0474	U 0.221 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	0.0679 JD	0.0518 U	0.0482 U	0.0459 U	0.0477 U	0.0535 U	0.189 D	0.0461	J 0.202 D	0.0667 JD	0.0441 U	0.0469 U	0.113 D	0.0483 U	0.0474	U 0.221 U
Naphthalene	12	100	0.0468 U	0.0518 U	0.0482 U	0.0459 U	0.0477 U	0.0535 U	0.0439 U	0.0461	J 0.0601 U	0.044 U	0.0441 U	0.0469 U	0.0465 U	0.0483 U		U 0.221 U
Phenanthrene Phenol	100 0.33	100 100	0.0468 U 0.0468 U	0.0518 U 0.0518 U	0.0482 U 0.0482 U	0.0459 U 0.0459 U	0.0477 U 0.0477 U	0.0535 U 0.0535 U	0.283 D 0.0439 U	0.0461	J 0.244 D J 0.0601 U	0.0878 JD 0.044 U	0.0441 U 0.0441 U	0.0469 U 0.0469 U	0.181 D 0.0465 U	0.0483 U 0.0483 U		U 0.392 JD U 0.221 U
Pyrene	100	100	0.151 D	0.0518 U	0.0482 U	0.0556 JD	0.0477 U	0.0535 U	0.0439 D	0.0401	D 0.494 D	0.044 O	0.0441 U	0.0469	0.374 D	0.0483	0.0474	U 0.596 D
Pesticides (mg/kg)	100	100	0.101	0.0010	0.0402 0	0.0000 00	0.0477	0.0000	0.407	0.0720	0.404	0.100	0.0441	0.0400 0	0.074	0.0400	0.0474	0.550
4,4'-DDD	0.0033	13	0.00183 U	0.00204 U	0.00186 U	0.0018 U	0.00185 U	0.00211 U	0.00172 U	0.00183	J 0.00236 U	0.00173 U	0.00175 U	0.00187 U	0.00182 U	0.00189 U	0.00191	U 0.00178 U
4,4'-DDE	0.0033	8.9	0.00183 U	0.00204 U	0.00186 U	0.0018 U	0.00185 U	0.00211 U	0.00172 U	0.00183	J 0.00236 U	0.00173 U	0.00175 U	0.00187 U	0.00182 U	0.00189 U	0.00191	U 0.00745 D
4,4'-DDT	0.0033	7.9	0.00183 U	0.00204 U	0.00186 U	0.0018 U	0.00185 U	0.00211 U	0.00172 U	0.00183	J 0.00236 U	0.00173 U	0.00175 U	0.00187 U	0.00182 U	0.00189 U	0.00191	U 0.00178 U
Alpha BHC (Alpha Hexachlorocyclohexane) Alpha Chlordane	0.02	0.48 4.2	0.00183 U 0.00183 U	0.00204 U 0.00204 U	0.00186 U 0.00186 U	0.0018 U 0.0018 U	0.00185 U 0.00185 U	0.00211 U 0.00211 U	0.00172 U 0.00172 U	0.00183	J 0.00236 U J 0.00236 U	0.00173 U 0.00173 U	0.00175 U 0.00175 U	0.00187 U 0.00187 U	0.00182 U 0.0175 DP	0.00189 U 0.00189 U	0.00191	U 0.00178 U U 0.0148 DP
Alpha Chlordane Chlordane (alpha and gamma)	0.094	4.2	0.00183 0	0.00204 U	0.00186 0	0.0018 U	0.00185 U	0.00211 U	0.00172 U	0.00183	J 0.00236 U	0.00173 U	0.00175 U	0.00187 U	0.0176 DP	0.00189 U	0.00191	U 0.0356 U
Gamma-Chlordane	~	~	0.00183 U	0.00204 U	0.0072 U	0.0018 U	0.0005 U	0.00211 U	0.00172 U	0.00183	J 0.00236 U	0.00173 U	0.0037 U	0.00187 U	0.0123 D	0.00189 U	0.00191	U 0.0107 D
Heptachlor	0.042	2.1	0.00183 U	0.00204 U	0.00186 U	0.0018 U	0.00185 U	0.00211 U	0.00172 U	0.00183	J 0.00236 U	0.00173 U	0.00175 U	0.00187 U	0.00182 U	0.00189 U	0.00191	U 0.00178 U
Herbicides (mg/kg)	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (mg/kg)																		
PCB-1254 (Araclor 1254) PCB-1260 (Araclor 1260)	~	~	0.0185 U 0.0185 U	0.0206 U 0.0206 U	0.0188 U 0.0188 U	0.0182 U	0.0186 U 0.0186 U	0.0213 U 0.0213 U	0.0173 U 0.0173 U	0.0184	J 0.0238 U I 0.0238 U	0.0175 U 0.0175 U	0.0177 U 0.0177 U	0.0189 U 0.0189 U	0.0184 U 0.0184 U	0.019 U	0.0193	U 0.018 U
Total PCBs	0.1	~	0.0185 U	0.0206 U	0.0188 U	0.0182 U	0.0186 U	0.0213 U	0.0173 U	0.0184	J 0.0238 U	0.0175 U	0.0177 U	0.0189 U	0.0184 U	0.019 U	0.0193	U 0.018 U
Inorganics (mg/kg)	0.1	!'	0.0180 0	0.0200 0	0.0100 0	0.0162 0	0.0180 0	0.0213 0	0.0173 0	0.0184	0.0236 0	0.0175 0	0.0177 0	0.0169 0	0.0184 0	0.015 0	0.0193	0 0.016 0
Aluminum	~	~	5,720	7,940	6,560	3,740	5,660	10,000	7,770	4,070	3,910	6,170	4,400	6,110	8,150	6,940	5,760	6,550
Antimony	~	~	2.81 U	3.11 U	2.9 U	2.75 U	2.88 U	3.23 U	2.64 U	2.79	J 3.61 U	2.64 U	2.67 U	2.87 U	2.8 U	2.94 U	2.92	U 2.73 U
Arsenic	13	16	1.68 U	7.02	1.74 U	2.83	2.11	2.13	2.99	4.44	4.9	1.59 U	1.6 U	1.72 U	3.84	1.79	1.75	U 2.86
Barium	350	400	46	69.1	39	32.7										61.9	40.9	58.1
							34.2	24.6	90.2	106	442	35.7	33.6	37.7	76.3			
Cadmium	2.5	4.3	0.337 U	0.373 U	0.348 U	0.348	0.346 U	0.388 U	0.316 U	0.334	J 0.433 U	0.317 U	0.321 U	0.345 U	0.336 U	0.353 U		U 0.327 U
Calcium	2.5	~	25,900	4,820	0.348 U 1,030	0.348 26,100	0.346 U 924	0.388 U 584	0.316 U 19,600	0.334 33,600	J 0.433 U 29,400	0.317 U 1,830	0.321 U 2,060	0.345 U 2,040	0.336 U 54,800	0.353 U 3,390	1,630	36,000
	2.5 ~ 1	4.3 ~ 110 ~			0.348 U	0.348	0.346 U	0.388 U	0.316 U	0.334	J 0.433 U 29,400	0.317 U	0.321 U 2,060	0.345 U	0.336 U	0.353 U		36,000 U 0.545 U
Calcium Chromium, Hexavalent	2.5 ~ 1 ~ 30	~	25,900 0.561 U	4,820 0.622 U	0.348 U 1,030 0.581 U	0.348 26,100 0.55 U	0.346 U 924 0.576 U	0.388 U 584 0.647 U	0.316 U 19,600 0.527 U	0.334 33,600 0.557	J 0.433 U 29,400 J 0.722 U	0.317 U 1,830 0.529 U	0.321 U 2,060 0.535 U	0.345 U 2,040 0.574 U	0.336 U 54,800 0.56 U	0.353 U 3,390 0.589 U	1,630 0.584	36,000
Calcium Chromium, Hexavalent Chromium, Total Chromium, Trivalent Cobalt	1 ~ 30 ~	110 180	25,900 0.561 U 11.7 11.7 5.13	4,820 0.622 U 27.1 27.1 17.7	0.348 U 1,030 0.581 U 24.2 24.2 12.9	0.348 26,100 0.55 U 7.68 7.68 4.95	0.346 U 924 0.576 U 24.2 24.2 10.5	0.388 U 584 0.647 U 24.2 24.2 12.8	0.316 U 19,600 0.527 U 31 31 12.8	0.334 33,600 0.557 33.6 33.6 16.6	J 0.433 U 29,400 J 0.722 U 20 20 8.18	0.317 U 1,830 0.529 U 17.4 17.4 8.92	0.321 U 2,060 0.535 U 15.2 15.2 7.21	0.345 U 2,040 0.574 U 39.5 39.5 14.7	0.336 U 54,800 0.56 U 28.6 28.6 7.87	0.353 U 3,390 0.589 U 32.2 32.2 13.5	1,630 0.584 16.5 16.5 8.24	36,000 U 0.545 U 19.2 19.2 8.21
Calcium Chromium, Hexavalent Chromium, Total Chromium, Trivalent	ĩ 1 ~	110	25,900 0.561 U 11.7 11.7 5.13 13.4	4,820 0,622 U 27:1 27:1 17:7 31.9	0.348 U 1,030 0.581 U 24.2 24.2 12.9 22.4	0.348 26,100 0.55 U 7.68 7.68 4.95 20.6	0.346 U 924 0.576 U 24.2 24.2 10.5 26.3	0.388 U 584 0.647 U 24.2 24.2 12.8 16.5	0.316 U 19,600 0.527 U 31 31 12.8 48.1	0.334 33,600 0.557 33.6 33.6 16.6 28.8	J 0.433 U 29,400 J 0.722 U 20 20 8.18 26.5	0.317 U 1,830 0.529 U 17.4 17.4 8.92 20	0.321 U 2,060 0.535 U 15.2 15.2 7.21 21.9	0.345 U 2,040 0.574 U 39.5 39.5 14.7 19.4	0.336 U 54,800 0.56 U 28.6 28.6 7.87 32.4	0.353 U 3,390 0.589 U 32.2 32.2 13.5 49	1,630 0.584 16.5 16.5 8.24 58.6	36,000 U 0.545 U 19.2 19.2 8.21 24.1
Calcium Chromium, Hexavalent Chromium, Total Chromium, Trivalent Cobalt Copper Iron	1 2 30 2 50	110 	25,900 0.561 U 11.7 11.7 5.13 13.4 8,810	4,820 0.622 U 27.1 27.1 17.7 31.9 24,100	0.348 U 1,030 0.581 U 24.2 24.2 12.9 22.4 13,400	0.348 26,100 0.55 U 7.68 7.68 4.95 20.6 9,200	0.346 U 924 0.576 U 24.2 24.2 10.5 28.3 14,300	0.388 U 584 0.647 U 24.2 24.2 12.8 16.5 15,100	0.316 U 19,600 0.527 U 31 31 12.8 48.1 14,900	0.334 33,600 0.557 33.6 33.6 16.6 28.8 14,200	J 0.433 U 29,400 J 0.722 U 20 20 8.18 26.5 10,700	0.317 U 1,830 0.529 U 17.4 17.4 8.92 20 12,600	0.321 U 2,060 0.535 U 15.2 15.2 7.21 21.9 11,600	0.345 U 2,040 0.574 U 39.5 39.5 14.7 19.4 15,000	0.336 U 54,800 0.56 U 28.6 28.6 7.87 32.4 13,300	0.353 U 3,390 0.589 U 32.2 32.2 13.5 49 15,000	1,630 0,584 16.5 16.5 8.24 58.6 14,700	36,000 U 0.545 19.2 19.2 8.21 24.1 14,600
Calcium Chromium, Hexavalent Chromium, Total Chromium, Trivalent Cobalt Copper Iron Lead	1 ~ 30 ~	110 180	25,900 0.561 U 11.7 11.7 5.13 13.4 8,810 89.9	4,820 0.622 U 27.1 27.1 17.7 31.9 24,100 274	0.348 U 1,030 0.581 U 24.2 24.2 12.9 22.4 13,400 7.43	0.348 26,100 0.55 U 7.68 7.68 4.95 20.6 9,200	0.346 U 924 0.576 U 24.2 24.2 10.5 26.3 14,300 6.88	0.388 U 584 0.647 U 24-2 24-2 12.8 16.5 15,100 8.63	0.316 U 19,600 0.527 U 31 31 12.8 48.1 14,900 296	0.334 33,600 0.557 33.6 33.6 16.6 28.8 14,200	J 0.433 U 29,400 0.722 U 20 20 8.18 26.5 10,700 2,080	0.317 U 1,830 0.529 U 17.4 17.4 8.92 20 12,600 13.8	0.321 U 2,060 0.535 U 15.2 15.2 7.21 21.9 11,600 29.1	0.345 U 2,040 0.574 U 39.5 39.5 14.7 19.4 15,000 66	0.336 U 54,800 0.56 U 28.6 28.6 7.87 32.4 13,300 34	0.353 U 3,390 U 32.2 32.2 13.5 49 15,000 74	1,630 0,584 16.5 16.5 8.24 58.6 14,700 8.74	36,000 U 0.545 19.2 19.2 8.21 24.1 14,600 44.7
Calcium Chromium, Hexavalent Chromium, Total Chromium, Trivalent Cobalt Copper Iron Lead Magnesium	7 1 20 20 2 50 63 2	110 180 270 400	25,900 0.561 11.7 11.7 5.13 13.4 8,810 89.9 9,190	4,820 0.622 U 27.1 17.7 31.9 24,100 274 6,660	0.348 U 1,030 0.581 U 24.2 24.2 12.9 22.4 13,400 7.43 3,240	0.348 28,100 0.55 U 7.68 7.68 4.95 20.6 9,200 100	0.346 U 924 0.576 U 24.2 24.2 10.5 28.3 14,300 6.88 6,640	0.388 U 584 0.647 U 24.2 24.2 12.8 16.5 15,100 8.63 5,150	0.316 U 19,600 0.527 U 31 12.8 48.1 14,900 296 11,300	0.334 33,600 0.557 33.6 33.6 16.6 28.8 14,200 441 22,100	J 0.433 U 29,400 U 0.722 U 20 20 8.18 28.5 10,700 2,080 8,090	0.317 U 1,830 0.529 U 17.4 17.4 8.92 20 12,600 13.8 3,760	0.321 U 2,080 0.535 U 15.2 15.2 7.21 21.9 11,600 29.1 3,930	0.345 U 2,040 0.574 U 39.5 39.5 14.7 19.4 15,000 66 6,890	0.336 U 54,800 0.56 U 28.6 28.6 7.87 32.4 13,300 34 10,700	0.353 U 3,390 0.589 U 32.2 32.2 13.5 49 15,000 74 7,370	1,630 0,584 16.5 16.5 8.24 58.6 14,700 8.74 3,100	36,000 U 0.545 19.2 19.2 8.21 24.1 14,600 44.7 11,100
Calcium Chromium, Hexavalent Chromium, Total Chromium, Total Chromium, Trivalent Cobal Cobper Fron Lead Megnesium Menganese	1 2 30 2 50	110 	25,900 0.561 U 11.7 5.13 13.4 8,810 89.9 9,190	4,820 0.622 U 27.1 27.1 17.7 31.9 24,100 274 6,660 202	0.348 U 1,030 0.581 U 242 242 12.9 22.4 13,400 7.43 3,240 231	0.348 26,100 0.55 U 7.68 7.68 4.95 20.6 9,200	0.346 U 924 0.576 U 24.2 24.2 10.5 28.3 14,300 6.88 6,640 269	0.388 U 584 0.647 U 24.2 24.2 12.8 16.5 15,100 8.63 5,150 125	0.316 U 19,800 0.527 U 31 31 12.8 48.1 14,900 296 11,300 245	0.334 33,600 0.557 33.6 33.6 16.6 28.8 14,200 441 22,100 247	J 0.433 U 29,400 0.722 U 20 20 8.18 26.5 10,700 2,080	0.317 U 1,830 0.529 U 17.4 17.4 8.92 20 12,600 13.8 3,760 265	0.321 U 2,060 0.535 U 15.2 15.2 7.21 21.9 11,600 29.1 3,930 200	0.345 U 2,040 0.574 U 39.5 39.5 14.7 19.4 15,000 66 6,890 286	0.336 U 54,800 0.56 U 28.6 28.6 7.87 32.4 13,300 34	0.353 U 3,390 0.589 U 32.2 32.2 13.5 49 15,000 74 7,370 158	1,630 0,584 16.5 16.5 8.24 58.6 14,700 8.74 3,100 273	36,000 U 0.545 U 19.2 19.2 8.21 24.1 14,600 44.7 11,100 235
Calcium Chromium, Hexavalent Chromium, Total Chromium, Trivalent Cobalt Copper Iron Lead Magnesium	7 1 30 7 50 63 63	270 2,000	25,900 0.561 11.7 11.7 5.13 13.4 8,810 89.9 9,190 101 0.0337 U 29.4	4,820 0,622 U 27.1 27.1 17.7 31.9 24,100 274 6,680 202 0,0479 133	0.348 U 1,030 0.581 U 24.2 24.2 12.9 22.4 13,400 7.43 3,240	0.348 26,100 0.555 U 7.68 7.68 4.95 20.6 9,200 100 13,900 126 0.143 17.7	0.346 U 924 0.576 U 24.2 24.2 10.5 26.3 14,300 6.88 6,640 269 0.0346 U	0.388 U 584 0.647 U 24.2 24.2 12.8 16.5 15,100 8.63 5,150	0.316 U 19,600 0.527 U 31 31 12.8 48.1 14,900 296 11,300 245 0.771 154	0.334 33,600 0.557 33.6 33.6 16.6 28.8 14,200 441 22,100	J 0.433 U 29,400 U 0.722 U 20 20 8.18 28.5 10,700 2,080 8,090 217	0.317 U 1,830 0.529 U 17.4 17.4 17.4 8.92 20 12,600 13.8 3,760 265 0.032 71.3	0.321 U 2,080 0.535 U 15.2 15.2 7.21 21.9 11,600 29.1 3,930	0.345 U 2,040 0.574 U 39.5 39.5 14.7 19.4 15,000 66 6,890 286 0.0827 209	0.336 U 54,800 0.56 U 28.6 28.6 7.87 32.4 13,300 34 10,700 275	0.353 U 3,390 0.589 U 32.2 32.2 13.5 49 15,000 74 7,370	1,630 0,584 16.5 16.5 8.24 58.6 14,700 8.74 3,100	36,000 U 0.545 U 19.2 19.2 8.21 24.1 14,600 44.7 11,100 235 U 0.15 57.3
Calcium Chronium, Hexavalent Chronium, Total Chronium, Total Chronium, Trivalent Cobalt Copper Iron Manganese Mercury Mercury Mercury	1 2 30 2 50 2 63 7 1,600 0.18 30	110 ~ 180 ~ 270 ~ 400 0.81 310 ~	25,900 0.561 11.7 11.7 5.13 13.4 8,810 89.9 9,190 101 0.0337 U 29.4 848	4,820 0,622 U 27.1 27.1 17.7 31.9 24,100 274 6,660 202 0,0479 133 747	0.348 U 1,030 0.581 U 24.2 24.2 12.9 22.4 13,400 7.43 3,240 231 0.0348 U 128 882	0.348 26,100 0.555 U 7.68 7.68 4.95 20.6 9.200 100 13,900 126 0.143 17.7 393	0.346 U 924 0.576 U 24.2 24.2 10.5 26.3 14,300 6.88 6,640 289 0.0346 U 155 829	0.388 U 684 U 24.2 24.2 12.8 16.5 15,100 8.63 5,150 125 0.0388 U 86.2 916	0.316 U 19,600 0.527 U 31 31 12.8 48.1 14,900 296 11,300 245 0.771 154 1,020	0.334 33,600 0.557 33.6 18.6 28.8 14,200 441 22,100 247 1.28 325 856	J 0.433 U 29,400 U 20,722 U 20 20 8.18 28.5 10,700 2,080 8,090 217 0.54 114 765	0.317 U 1,830 0.529 U 17.4 17.4 8.92 20 12,800 13.8 3,760 265 0.032 71.3 907	0.321 U 2,080 0.535 U 15.2 15.2 7.21 21.9 11,600 29.1 3,930 200 0.226 69.9 872	0.345 U 2,040 0.574 U 39.5 39.5 14.7 19.4 15,000 66 6,890 286 0.0827 209 745	0.336 U 54,800 0.56 U 28.6 28.6 7.87 32.4 13,300 34 10,700 275 0.04 52.5 871 B	0.363 U 3,390 U 0.589 U 32.2 13.5 49 15,000 74 7,370 158 0.401 182 1,140 B	1,630 0.584 16.5 16.5 8.24 58.6 14,700 8.74 3,100 273 0.0351 47.6 1,140	36,000 U 0.545 19.2 19.2 8.21 24.1 14,000 44.7 11,100 235 U 0.15 57.3 B 940
Calcium Commium, Hexavalent Chromium, Hexavalent Chromium, Total Chromium, Tradent Calcett General Colors on Calcett General Calcett General	7 1 20 50 63 7 1,600	110 ~ 180 ~ 270 ~ 400 ~ 2,000 0,81 310 ~ 180	25,900 0.861 U 11.7 11.7 5.13 13.4 8,810 89.9 9,190 101 0.0337 U 29.4 848 2.81 U	4,820 0,622 U 27.1 27.1 17.7 31.9 24,100 274 6,660 202 0,0479 133 747 3,111 U	0.248 U 1,030 0.581 U 24.2 24.2 12.9 22.4 13,400 7.43 3,240 231 0.0348 U 128 882 2.9 U	0.348 28,100 0.55 U 7.88 7.88 4.95 20.8 9,200 100 13,900 126 0.143 17.7 393 5.01	0.346 U 924 0.576 U 24.2 10.5 26.3 14,300 6.88 6,640 269 0.0346 U 155 829 2.88 U	0.388 U 584 0.847 U 24.2 12.8 16.5 15,100 8.63 5,150 125 0.0388 U 86.2 916 3.23 U	0.216 U 19,600 0.527 U 31 31 12.8 48.1 14,900 296 11,300 245 0.771 154 1,020 2.64 U	0.334 33,800 0.557 33.6 33.6 16.6 28.8 14,200 441 22,100 247 1.28 325 856 4.08	J 0.433 U 29,400 J 0.722 U 20 20 8.18 28.5 10,700 2,080 217 0.54 114 765 3.61 U	0.317 U 1,830 0.529 U 17.4 17.4 8.92 20 12,600 13.8 3,760 265 0.032 71.3 907 2,64 U	0.321 U 2,060 0.535 U 15.2 7.21 21.9 11,600 29.1 3,930 200 0.226 69.9 872 2,67 U	0.345 U 2,040 0.574 U 39.5 39.5 14.7 19.4 15,000 66 6,890 286 0.0827 209 745 2.87 U	0.336 U 54,900 0.56 U 28.6 28.6 7.87 32.4 13,300 34 10,700 275 0.04 52.5 871 B 2.8 U	0.363 U 3,393 U 3,293 U 32.2 13.5 49 15,000 74 7,370 158 0.401 182 1,140 B 2,94 U	1,630 0.584 16.5 16.5 16.5 8.24 58.6 14,700 8.74 3,100 273 0.0351 47.6 1,140 2.92	36,000 0.545 19.2 19.2 19.2 8.21 24.1 14,600 44.7 11,100 235 U 0.15 57.3 B 940 U 2.73 U
Calcium Commission, Heavailent Onnmission, Heavailent Onnmission, Total Commission, Twelvert Copper Ison Lead Mercary Nickel Votestalum Mercary Stole Votestalum Silver Silver	1 2 30 2 50 2 63 7 1,600 0.18 30	110 ~ 180 ~ 270 ~ 400 0.81 310 ~	25,900 0.561 U 11.7 11.7 5.13 13.4 8.810 89.9 9.190 101 0.0337 U 29.4 848 2.81 U 1.72	4,820 0,822 U 27.1 17.7 31.9 24,100 274 6,660 202 0,0479 133 747 3.11 U 0,622 U	0.248 U 1,030 0.581 U 24.2 24.2 12.9 22.4 13,400 7,43 3,240 231 0.0348 U 128 882 2.9 U 0.581 U	0.248 28,100 0.55 U 7.68 7.68 4.95 20.6 9,200 100 13,900 126 0.143 1.7.7 393 5.01 0.55 U	0.346 U 924 0.576 U 24.2 10.5 26.3 14,300 6.88 6,840 289 0.0348 U 185 829 2.88 U 0.576 U	0.388 U 584 0.647 U 24.2 24.2 12.8 16.5 15,100 8.63 5,150 125 0.0388 U 86.2 916 3.23 U 0.647 U	0.216 U 19,800 0.527 U 31 31 12.8 48.1 14,900 296 11,300 245 0.771 154 1,020 2.84 U 0.527 U	0.324 33,600 0.557 33.6 33.6 16.6 28.8 14,200 441 22,100 247 1,28 325 856 4,08 0.557	J 0.433 U 29,400 J 29,400 U 20,722 U 20 20 8.18 28.5 10,700 2.080 8,090 217 0.54 114 785 3.61 U J 0.722 U J	0.317 U 1,830 0.529 U 17.4 17.4 8.92 20 12,800 13.8 3,760 285 0.932 71.3 907 2.84 U 0.529 U	0.321 U 2.080 0.535 U 15.2 15.2 7.21 21.9 11,800 29.1 3,930 200 0.226 69.9 872 2.67 U 0.535 U	0.345 U 2.040 0.574 U 39.5 39.5 39.5 14.7 19.4 15,000 66 6,890 286 0.0827 209 745 2.87 U 0.574 U	0.336 U 54,800 0.56 U 28.6 28.6 7.87 32.4 13,300 34 10,700 275 0.04 52.5 871 B 2.8 U	0.563 U 3.390 U 0.589 U 32.2 13.5 49 15,000 74 7,370 158 0.401 182 1,140 B 2.94 U 0.589 U	1,630 0.584 16.5 16.5 8.24 55.6 14,700 8.74 3,100 273 0.0351 47.6 1,140 2.92 0.584	36,000 U 0.545 U 19.2 19.2 19.2 8.21 24.1 14,600 44.7 11,100 235 U 0.15 57.3 B 940 U 2.73 U 0.545 U 0.545 U 0.545 U
Calcium Toral Chromium, Hexavalent Chromium, Toral Chromium, Trodent Cobet Copper Lead Megresium Merganese Mercury Notical Solemium Silver Soldent	1 2 30 2 50 2 63 7 1,600 0.18 30	110 ~ 180 ~ 270 ~ 400 ~ 2,000 0,81 310 ~ 180	25,900 0.661 11.7 11.7 5.13 13.4 8,810 89.9 9,190 101 0.0337 U 29.4 848 2.81 U 1.72 95.9	4,820 0,822 27.1 27.1 17.7 31.9 24,100 274 6,680 202 0,0479 133 747 3,111 U 0,622 U 127	0.348 U 1,030 0.581 U 24.2 24.2 12.9 22.4 13,400 7,43 3,240 231 0.0348 U 128 882 2.9 U 0.581 U	0.248 26,100 0.55 U 26,100 0.55 U 26,100 0.55 U 20.8 9,200 100 126 0.143 17.7 393 5.01 0.555 U 222	0.346 U 924 0.576 U 24.2 24.2 10.5 26.3 14,300 6.89 6,640 289 0.03346 U 155 829 0.576 U 72	0.388 U 594 0.647 U 24.2 12.8 16.5 15,100 8.63 5,160 0.0338 U 86.2 9.10 9.28 0.647 U 92.8	0.316 U 19,600 0.527 U 31 31 12.8 48.1 14,900 296 0.771 154 1,020 2.84 U 0.527 U 768	0.334 33,800 0.557 33.6 18.6 28.8 14,200 441 22,100 247 128 325 856 4.08 0.557 205	J 0.433 U 29,400 0.722 U 20 8.18 28.5 10,700 2,080 8,090 217 0.54 114 765 3.61 U J 0.722 U	0.317 U 1,830 0.529 U 17.4 17.4 8.92 20 12,800 13.8 3,760 265 0.032 71.3 907 2,84 U 0.529 U 175	0.321 U 2.080 0.535 U 15.2 15.2 7.21 21.9 11,600 29.1 3,930 200 0.226 69.9 872 2.67 U 0.535 U 169	0.345 U 2.040 0.574 U 0.574 U 39.5 39.5 14.7 19.4 15,000 66 690 286 0.0827 209 745 2.87 U 0.574 U 139	0.336 U 54,800 U 28.6 U 28.6 7.87 32.4 13,300 34 10,700 275 0.04 52.5 871 B 2.8 U 0.566 U 219	0.583 U 3.390 U 0.589 U 32.2 13.5 49 15,000 74 7,370 158 0.401 182 1,140 B 2.94 U 0.589 U 298	1,630 0,584 16.5 16.5 16.5 8.24 58.6 14,700 8,74 3,100 273 0,0351 47.6 1,140 2,92 0,584 148	36,000 0,545 19.2 19.2 19.2 8.21 24.1 14,600 44.7 11,100 235 U 0,15 57.3 B 940 U 2,73 U 0,545 U 280
Calcium Commission, Heavailent Onnmission, Heavailent Onnmission, Total Commission, Twelvert Copper Ison Lead Mercary Nickel Votestalum Mercary Stole Votestalum Silver Silver	~ 1 ~ 30 ~ 50 ~ 63 ~ ~ 1,600 0.18 30 ~ ~ 3.9 2 ~ ~ ~	110 ~ 180 ~ 270 ~ 400 ~ 2,000 0,81 310 ~ 180 ~	25,900	4,820 0,622 U 27.1 17.7 31.9 24,100 274 6,680 202 0,0479 133 747 3.11 U 0,622 U 127 29.2	0.248 U 1,000 0.581 U 24.2 24.2 12.9 22.4 13.400 7.43 3,240 231 0.0348 U 128 882 2.9 U 127 20.5	0.348	0.346 U 924 0.576 U 24.2 24.2 10.5 26.3 14,300 6.88 6,840 269 0.0346 U 156 829 2.88 U 0.576 U 72 18.6	0.388 U 594 0.647 U 24.2 24.2 12.8 16.5 15,100 8.63 5,150 125 0.0398 U 86.2 916 3.23 U 92.8 22.1	0.316 U 19.800 0.527 U 31 12.8 49.1 14.900 296 11.300 245 0.771 154 1.020 2.84 U 0.527 U 768 26 26	0.334 33,800 0.557 33.6 18.6 28.8 14,200 441 22,100 247 1,28 325 856 4,08 0.557 205 14.5	J 0.433 U 29,400 J 0.722 U 20 20 8.18 26,5 10,700 2,080 8,090 217 0.54 114 785 3,681 U 0.722 U 206 18.1	0.317 U 1,830 0.529 U 17.4 8.92 20 12,600 13.8 3,760 265 0.032 71.3 907 2.64 U 0.529 U 17.6 17.6	0.321 U 2.080 0.535 U 15.2 15.2 7.21 21.9 11,600 29.1 3.930 200 0.226 69.9 872 2.67 U 0.535 U 169 17.9	0.345 U 2,040 0.574 U 39.5 39.5 14.7 19.4 15,000 66 6,990 286 0.0827 206 745 2.87 U 1.39 22.1	0.336 U 54,800 0.56 U 28.6 28.6 7.87 32.4 13,300 34 10,700 275 0.04 52.5 871 B 2.8 U 219 32.9	0.563 U 3.390 0.589 32.2 32.2 13.5 49 15,000 74 7,370 158 0.401 182 1,140 B 2.94 U 0.5699 U 298 24.7	1,630 0,584 16.5 16.5 8.24 88.6 14,700 8.74 3,100 273 0,0351 47.6 1,140 2.92 0,584 148 27.5	36,000 0,545 U 19.2 19.2 19.2 8.21 14,000 44.7 11,100 235 U 0,545 U 2,73 U 0,545 U 0,545 U 0,545 U 280 42.3
Calcium Commun, Hexavalent Onnomium, Hexavalent Onnomium, Total Onnomium, Total Coper Indian Onnomium	1 2 30 2 50 2 63 7 1,600 0.18 30	110 ~ 180 ~ 270 ~ 400 ~ 2,000 0,81 310 ~ 180	25,900 0.661 11.7 11.7 5.13 13.4 8,810 89.9 9,190 101 0.0337 U 29.4 848 2.81 U 1.72 95.9	4,820 0,822 27.1 27.1 17.7 31.9 24,100 274 6,680 202 0,0479 133 747 3,111 U 0,622 U 127	0.348 U 1,030 0.581 U 24.2 24.2 12.9 22.4 13,400 7,43 3,240 231 0.0348 U 128 882 2.9 U 0.581 U	0.248 26,100 0.55 U 26,100 0.55 U 26,100 0.55 U 20.8 9,200 100 126 0.143 17.7 393 5.01 0.555 U 222	0.346 U 924 0.576 U 24.2 24.2 10.5 26.3 14,300 6.89 6,640 289 0.03346 U 155 829 0.576 U 72	0.388 U 594 0.647 U 24.2 12.8 16.5 15,100 8.63 5,160 0.0338 U 86.2 9.10 9.28 0.647 U 92.8	0.316 U 19,600 0.527 U 31 31 12.8 48.1 14,900 296 0.771 154 1,020 2.84 U 0.527 U 768	0.334 33,800 0.557 33.6 18.6 28.8 14,200 441 22,100 247 128 325 856 4.08 0.557 205	J 0.433 U 29,400 0.722 U 20 8.18 28.5 10,700 2,080 8,090 217 0.54 114 765 3.61 U J 0.722 U	0.317 U 1,830 0.529 U 17.4 17.4 8.92 20 12,800 13.8 3,760 265 0.032 71.3 907 2,84 U 0.529 U 175	0.321 U 2.080 0.535 U 15.2 15.2 7.21 21.9 11,600 29.1 3,930 200 0.226 69.9 872 2.67 U 0.535 U 169	0.345 U 2.040 0.574 U 0.574 U 39.5 39.5 14.7 19.4 15,000 66 690 286 0.0827 209 745 2.87 U 0.574 U 139	0.336 U 54,800 U 28.6 U 28.6 7.87 32.4 13,300 34 10,700 275 0.04 52.5 871 B 2.8 U 0.566 U 219	0.583 U 3.390 U 0.589 U 32.2 13.5 49 15,000 74 7,370 158 0.401 182 1,140 B 2.94 U 0.589 U 298	1,630 0,584 16.5 16.5 16.5 8.24 58.6 14,700 8,74 3,100 273 0,0351 47.6 1,140 2,92 0,584 148	36,000 0,545 19.2 19.2 19.2 8.21 24.1 14,600 44.7 11,100 235 U 0,15 57.3 B 940 U 2,73 U 0,545 U 280
Calcium Commium, Hexavalent Chromium, Hexavalent Chromium, Total Chromium, Tivalent Cobat Copper Lead Margarsium Manganese Marcuy Nickal Salenium Salenium Salenium Salenium Salenium	~ 1 ~ 30 ~ 50 ~ 63 ~ ~ 1,600 0.18 30 ~ ~ 3.9 2 ~ ~ ~	110 ~ 180 ~ 270 ~ 400 ~ 2,000 0,81 310 ~ 180 ~	25,900	4,820 0,622 U 27.1 17.7 31.9 24,100 274 6,680 202 0,0479 133 747 3.11 U 0,622 U 127 29.2	0.248 U 1,000 0.581 U 24.2 24.2 12.9 22.4 13.400 7.43 3,240 231 0.0348 U 128 882 2.9 U 127 20.5	0.348	0.346 U 924 0.576 U 24.2 24.2 10.5 26.3 14,300 6.88 6,840 269 0.0346 U 156 829 2.88 U 0.576 U 72 18.6	0.388 U 594 0.647 U 24.2 24.2 12.8 16.5 15,100 8.63 5,150 125 0.0398 U 86.2 916 3.23 U 92.8 22.1	0.316 U 19.800 0.527 U 31 12.8 49.1 14.900 296 11.300 245 0.771 154 1.020 2.84 U 0.527 U 768 26 26	0.334 33,800 0.557 33.6 18.6 28.8 14,200 441 22,100 247 1,28 325 856 4,08 0.557 205 14.5	J 0.433 U 29,400 J 0.722 U 20 20 8.18 26,5 10,700 2,080 8,090 217 0.54 114 785 3,681 U 0.722 U 206 18.1	0.317 U 1,830 0.529 U 17.4 8.92 20 12,600 13.8 3,760 265 0.032 71.3 907 2.64 U 0.529 U 17.6 17.6	0.321 U 2.080 0.535 U 15.2 15.2 7.21 21.9 11,600 29.1 3.930 200 0.226 69.9 872 2.67 U 0.535 U 169 17.9	0.345 U 2,040 0.574 U 39.5 39.5 14.7 19.4 15,000 66 6,990 286 0.0827 206 745 2.87 U 1.39 22.1	0.336 U 54,800 0.56 U 28.6 28.6 7.87 32.4 13,300 34 10,700 275 0.04 52.5 871 B 2.8 U 219 32.9	0.563 U 3.390 0.589 32.2 32.2 13.5 49 15,000 74 7,370 158 0.401 182 1,140 B 2.94 U 0.589 2.98 2.4.7	1,630 0,584 16.5 16.5 8.24 88.6 14,700 8.74 3,100 273 0,0351 47.6 1,140 2.92 0,584 148 27.5	36,000 0,545 U 19.2 19.2 19.2 8.21 14,000 44.7 11,100 235 U 0,545 U 2,73 U 0,545 U 0,545 U 0,545 U 280 42.3

Table 1 Soil Sample Analytical Results Summary

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Location Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB11 SB11 10-1	SB11 2 SB11 14-16	SB12		SB12 SB12 8-10	SB12 SB12 18-20	SB13 SB13 0-2	SB13 SR13 5-7	SB13 SODUP02 050420	SB13 SB13 18-20	SB14 SR14 0-2		SB14 SB14 6-8	SB14 SODUP03 050620	SB14 SB14 18-20	SB15 SB15 0-2
Laboratory ID	Unrestricted Use	Restricted Use Restricted-	20D0849-0				20D0849-05	20D0849-06	20E0055-04	20E0055-05	20E0055-07	20E0055-06	20E0134-04	4	20E0134-05	20E0134-07	20E0134-06	20E0055-01
Sample Date	SCOs	Residential SCOs	4/30/2020		4/30/20	20	4/30/2020	4/30/2020	5/4/2020	5/4/2020	5/4/2020	5/4/2020	5/6/2020		5/6/2020	5/6/2020	5/6/2020	5/4/2020
Sample Depth (feet bgs) Volatile Organic Compounds (mg/kg)			10-12	18-20	0-2		8-10	18-20	0-2	5-7	5-7	18-20	0-2		6-8	6-8	18-20	0-2
Acetone	0.05	100	0.011	0.012	0.017		0.0081 J	0.0041 U	0.015 B	0.069 F	0.12 B	0.021 B	0.011	JB	0.023 B	0.018 B	0.022 B	0.0084 JB
Benzene	0.06	4.8	0.0022	U 0.0028	U 0.0029	U	0.0024 U	0.002 U	0.0023 U	0.0022 U	0.0024 U	0.0032 U	0.0029	U	0.0025 U	0.0026 U	0.003 U	0.0026 U
Carbon Disulfide	~	~	0.0022	U 0.0028	U 0.0029	U	0.0024 U	0.002 U	0.0023 U	0.0022 U	0.0024 U	0.0032 U	0.0029	U	0.0025 U	0.0026 U	0.0057 J	0.0026 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0022	U 0.0028	U 0.0029	U	0.0024 U	0.002 U	0.0023 U	0.019	0.037	0.0058 J	0.0029	U	0.0057	0.0053	0.003 U	0.0026 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) Semivolatile Organic Compounds (mg/kg)	~	~	0.0022	U 0.0065	0.0029	U	0.0024 U	0.002 U	0.0023 U	0.0022 L	0.0024 U	0.0032 U	0.0029	U	0.0025 U	0.0026 U	0.003 U	0.0026 U
2,4-Dimethylphenol		~	0.0549	U 0.0557	U 0.226	- 11	0.0514 U	0.0508 U	0.0472 U	0.047 U	0.0472 U	0.0597 U	0.0518	11.	0.051 U	0.0513 U	0.0547 U	0.0464 U
2-Methylnaphthalene	~	~	0.0549	U 0.0557	U 0.226	Ü	0.0514 U	0.0508 U	0.0472 U	0.047 U	0.0472 U	0.0597 U	0.0518	Ü	0.051 U	0.0513 U	0.0547 U	0.0464 U
2-Methylphenol (o-Cresol)	0.33	100	0.0549	U 0.0557	U 0.226	Ü	0.0514 U	0.0508 U	0.0472 U	0.047 U	0.0472 U	0.0597 U	0.0518	U	0.051 U	0.0513 U	0.0547 U	0.0464 U
3 & 4 Methylphenol (m&p Cresol)	0.33	100	0.0549	U 0.0557	U 0.226	U	0.0514 U	0.0508 U	0.0472 U	0.047 U	0.0472 U	0.0597 U	0.0518	U	0.051 U	0.0513 U	0.0547 U	0.0464 U
Acenaphthene	20	100	0.0549	U 0.0557	U 0.226	U	0.0514 U 0.0514 U	0.0508 U	0.0472 U	0.047 U	0.0472 U	0.0597 U	0.0518	U D	0.051 U	0.0513 U 0.0513 U	0.0547 U 0.0547 U	0.0464 U
Acenaphthylene Anthracene	100 100	100 100	0.0549	U 0.0557 U 0.0557	U 0.226 U 0.274	JD	0.0514 U 0.119 D	0.0508 U 0.0508 U	0.0472 U 0.0472 U	0.047 U 0.047 U	0.0472 U 0.0472 U	0.0597 U 0.0597 U	0.165	D	0.051 U 0.051 U	0.0513 U 0.0513 U	0.0547 U 0.0547 U	0.0464 U 0.0464 U
Benzo(a)Anthracene	1	1	0.0549	U 0.0557	U 0.815	D	0.154 D	0.0508 U	0.0497 JD			0.0597 U	0.729	D	0.12 D	0.12 D	0.0547 U	0.117 D
Benzo(a)Pyrene	1	1	0.0549	U 0.0557	U 0.743	D	0.12 D	0.0508 U	0.0662 JD	0.0735 JE		0.0597 U	0.735	D	0.12 D	0.112 D	0.0547 U	0.123 D
Benzo(b)Fluoranthene	1	1	0.0549	U 0.0557	U 0.642	D	0.102 D	0.0508 U	0.0655 JD	0.0637 JE		0.0697 U	0.574	D	0.0903 JD		0.0547 U	0.126 D
Benzo(g,h,i)Perylene	100	100	0.0549	U 0.0557	U 0.483	D	0.059 JD	0.0508 U	0.0519 JD	0.047 U		0.0597 U	0.379	D	0.0562 JD		0.0547 U	0.0464 U
Benzo(k)Fluoranthene	0.8	3.9	0.0549	U 0.0557	U 0.559	D	0.0868 JD	0.0508 U	0.0542 JD	0.0682 JE		0.0597 U	0.583	D	0.0928 JD		0.0547 U	0.0963 D
Benzyl Butyl Phthalate Biphenyl (Diphenyl)	~	~	0.0549	U 0.0557 U 0.0557	U 0.226 U 0.226	U	0.0514 U 0.0514 U	0.0508 U 0.0508 U	0.0472 U 0.0472 U	0.047 U 0.047 U	0.0472 U 0.0472 U	0.0597 U 0.0597 U	0.0518	U	0.051 U 0.051 U	0.0513 U 0.0513 U	0.0547 U 0.0547 U	0.0464 U 0.0464 U
Bis(2-Ethylhexyl) Phthalate	~	~	0.0549	U 0.0557	U 0.226	U	0.0514 U	0.0508 U	0.0472 U	0.047 U	0.0472 U	0.0597 U	0.0518	ü	0.051 U	0.0513 U	0.0547 U	0.0464 U
Carbazole	~	~	0.0549	U 0.0557	U 0.226	Ü	0.0514 U	0.0508 U	0.0472 U	0.047 U	0.0472 U	0.0597 U	0.0603	JD	0.051 U	0.0513 U	0.0547 U	0.0464 U
Chrysene	1	3.9	0.0549	U 0.0557	U 0.739	D	0.125 D	0.0508 U	0.0527 JD	0.084 JE		0.0597 U	0.749	D	0.114 D	0.104 D	0.0547 U	0.16 D
Dibenz(a,h)Anthracene	0.33	0.33	0.0549	U 0.0557	U 0.226	U	0.0514 U	0.0508 U	0.0472 U	0.047 U	0.0472 U	0.0697 U	0.116	D	0.051 U	0.0513 U	0.0547 U	0.0464 U
Dibenzofuran	7	59	0.0549	U 0.0557	U 0.226	U	0.0514 U	0.0508 U	0.0472 U	0.047 U		0.0597 U	0.0518	U	0.051 U	0.0513 U	0.0547 U	0.0464 U
Fluoranthene	100	100	0.0622	JD 0.0557	U 1.67	D	0.36 D	0.0508 U	0.0519 JD	0.139 E		0.0597 U	1.72	D	0.234 D	0.197 D	0.0547 U	0.235 D
Fluorene	30	100	0.0549		U 0.226	U	0.0729 JD	0.0508 U 0.0508 U	0.0472 U 0.0472 U	0.047 U	0.0472 U 0.0472 U	0.0597 U	0.0916	JD	0.051 U	0.0513 U 0.0638 JD	0.0547 U 0.0547 U	0.0464 U
Indeno(1,2,3-c,d)Pyrene Naphthalene	0.5	0.5	0.0549	U 0.0557	U 0.415 U 0.226	JD	0.0541 JD 0.0514 II	0.0508 U 0.0508 U	0.0472 U 0.0472 U	0.047 U		0.0597 U 0.0597 U	0.381	Ü	0.0643 JD 0.061 II	0.0638 JD 0.0513 JJ	0.0547 U 0.0547 U	0.0703 JD 0.0464 II
Phenanthrene	100	100	0.071	JD 0.0557	U 1.03	D	0.435 D	0.0508 U	0.0472 U	0.047 U		0.0597 U	1.13	D	0.0969 JD		0.0547 U	0.0977 D
Phenol	0.33	100	0.0549	U 0.0557	U 0.226	U	0.0514 U	0.0508 U	0.0472 U	0.047 U		0.0597 U	0.0518	Ü	0.051 U	0.0513 U	0.0547 U	0.0464 U
Pyrene	100	100	0.0675	JD 0.0557	U 1.51	D	0.297 D	0.0508 U	0.0527 JD	0.112 E	0.0472 U	0.0597 U	1.36	D	0.177 D	0.148 D	0.0547 U	0.241 D
Pesticides (mg/kg)																		
4,4'-DDD 4.4'-DDE	0.0033	13 8.9	0.00218	U 0.00224 U 0.00224	U 0.00182		0.00201 U 0.00201 U	0.00201 U 0.00201 U	0.00186 U 0.00186 U	0.00183 U	0.00186 U 0.00186 U	0.00354 U 0.00354 U	0.00203	U	0.00202 U 0.00202 U	0.00202 U 0.00202 U	0.00214 U 0.00214 U	0.00181 U 0.0059 D
4.4'-DDT	0.0033	7.9	0.00218	U 0.00224	U 0.00182		0.00201 U	0.00201 U	0.00186 U	0.00183 U	0.00186 U	0.00354 U	0.00203	Ü	0.00202 U	0.00202 U	0.00214 U	0.00181 U
Alpha BHC (Alpha Hexachlorocyclohexane)	0.02	0.48	0.00218	U 0.00224	U 0.00182		0.00201 U	0.00201 U	0.00100 U	0.00183 U	0.00186 U	0.00354 U	0.00203	ü	0.00202 U	0.00202 U	0.00214 U	0.00181 U
Alpha Chlordane	0.094	4.2	0.00218	U 0.00224	U 0.0182		0.00201 U	0.00201 U	0.00186 U	0.00183 U	0.00186 U	0.00354 U	0.00203	Ü	0.00202 U	0.00202 U	0.00214 U	0.00999 DP
Chlordane (alpha and gamma)	~	~	0.0435	U 0.0447	U 0.0364	U	0.0401 U	0.0402 U	0.0373 U	0.0365 U	0.0372 U	0.0709 U	0.0406	U	0.0404 U	0.0405 U	0.0429 U	0.0463 D
Gamma-Chlordane	~	~	0.00218	U 0.00224	U 0.014		0.00201 U	0.00201 U	0.00186 U	0.00183 U	0.00186 U	0.00354 U	0.00203	U	0.00202 U	0.00202 U	0.00214 U	0.00643 D
Heptachlor Herbicides (mg/kg)	0.042	2.1	0.00218	U 0.00224	U 0.00182	U	0.00201 U	0.00201 U	0.00186 U	0.00183 L	0.00196 U	0.00354 U	0.00203 ND	U	0.00202 U	0.00202 U	0.00214 U	0.00181 U
Polychlorinated Biphenyls (mg/kg)	~	~	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
PCB-1254 (Aroclor 1254)	~	~	0.022	U 0.0226	U 0.0184	- 11	0.0203 U	0.0203 U	0.0188 U	0.0184 L	0.0188 U	0.0358 U	0.0205		0.0204 U	0.0204 U	0.0216 U	0.0183 U
PCB-1260 (Aroclor 1260)	~	~	0.022	U 0.0226	U 0.203	-	0.0203 U	0.0203 U	0.0188 U	0.0184 U	0.0188 U	0.0358 U	0.0205	Ü	0.0204 U	0.0204 U	0.0216 U	0.0183 U
Total PCBs	0.1	1	0.022	U 0.0226	U 0.203		0.0203 U	0.0203 U	0.0188 U	0.0184 U	0.0188 U	0.0358 U	0.0205	U	0.0204 U	0.0204 U	0.0216 U	0.0183 U
Inorganics (mg/kg)																		
Aluminum	~																	
Antimony		~	5,980	12,800	6,350		4,750	4,030	12,300	4,440	5,710	7,460	4,990		7,920	7,710	9,310	7,750
	12	~ 18	3.32	U 3.41	U 2.78	U	3.08 U	3.07 U	2.83 U	2.82 U	2.83 U	3.6 U	3.13	U	3.09 U	3.08 U	9,310 3.28 U	2.81 U
Arsenic	13 350	7 16 400	3.32 2.03	U 3.41 2.05	U 2.78 U 3.92	U	3.08 U 1.85 U	3.07 U 1.84 U	2.83 U 2.03	2.82 U 1.69 U	2.83 U 1.7 U	3.6 U 3.16		U	3.09 U 2.34	3.08 U 1.85 U	9,310 3.28 U 2.64	2.81 U 4.36
	13 350 2.5	16 400 4.3	3.32	U 3.41	U 2.78	U	3.08 U	3.07 U	2.83 U	2.82 U	2.83 U 1.7 U 34.1	3.6 U	3.13 4.69	U	3.09 U	3.08 U	9,310 3.28 U	2.81 U
Arsenic Barium Cadmium Calcium	350	400 4.3	3.32 2.03 24.4 0.398 2,510	U 3.41 2.05 67.1 U 0.409 4,730	U 2.78 U 3.92 59.9 U 0.333 22,300	U	3.08 U 1.85 U 28.3 0.37 U 1,890	3.07 U 1.84 U 31.9 0.368 U 1,410	2.83 U 2.03 74.9 0.34 U 2,770	2.82 U 1.69 U 28.4 0.339 U 1,090	2.83 U 1.7 U 34.1 0.34 U 2,010	3.6 U 3.16 29.8 0.432 U 4,260	3.13 4.69 453 0.375 1,520	U	3.09 U 2.34 67.9 0.371 U 3,670	3.08 U 1.85 U 72.6 0.369 U 3,910	9,310 3,28 U 2,64 26,2 0,394 U 2,680	2.81 U 4.36 70.8 0.338 U 51,000
Arsenic Barium Cadmium Calcium Chromium, Hexavalent	350	400	3.32 2.03 24.4 0.398 2,510 0.664	U 3.41 2.05 67:1 U 0.409 4,730 U 0.682	U 2.78 U 3.92 59.9 U 0.333 22,300 U 0.555		3.08 U 1.85 U 28.3 0.37 U 1,890 0.616 U	3.07 U 1.84 U 31.9 0.368 U 1,410 0.613 U	2.83 U 2.03 74.9 0.34 U 2,770 0.861	2.82 U 1.69 U 28.4 0.339 U 1,090 0.564 U	2.83 U 1.7 U 34.1 0.34 U 2,010 0.566 U	3.6 U 3.16 29.8 0.432 U 4,260 0.719 U	3.13 4.69 453 0.375 1,520 0.625		3.09 U 2.34 67.9 0.371 U 3,670 0.619 U	3.08 U 1.85 U 72.6 0.369 U 3,910 0.616 U	9,310 3.28 U 2.64 26.2 0.394 U 2,680 0.656 U	2.81 U 4.36 70.8 0.338 U 51,000 0.563 U
Arsenic ' Barium Cadmium Calcium Chromium, Hexavalent Chromium, Total	350 2.5 ~ 1 ~	400 4.3 ~ 110 ~	3.32 2.03 24.4 0.398 2,510 0.664 47.5	U 3.41 2.05 67:1 U 0.409 4,730 U 0.682 156	U 2.78 U 3.92 59.9 U 0.333 22,300 U 0.555 22.2	U	3.08 U 1.85 U 28.3 0.37 U 1,890 0.616 U 36.4	3.07 U 1.84 U 31.9 0.368 U 1,410 0.613 U 195	2.83 U 2.03 74.9 0.34 U 2,770 0.861 37.4	2.82 U 1.69 U 28.4 0.339 U 1,090 0.564 U 11.7	2.83 U 1.7 U 34.1 0.34 U 2,010 0.566 U	3.6 U 3.16 29.8 0.432 U 4,260 0.719 U 40.9	3.13 4.69 453 0.375 1,520 0.625 14.2	U	3.09 U 2.34 67.9 0.371 U 3,670 0.619 U 54.9	3.08 U 1.85 U 72.6 0.369 U 3,910 0.616 U 54.5	9,310 3.28 U 2.84 26.2 0.394 U 2,680 0.656 U 34.2	2.81 U 4.36 70.8 0.338 U 51,000 0.563 U 32.9
Arzenic ' Barium Cadmium Calcium Chromium, Hexavelent Chromium, Total Chromium, Trivalent	350	400 4.3	3.32 2.03 24.4 0.398 2,510 0.664 47.5 47.5	U 3.41 2.05 67.1 U 0.409 4,730 U 0.682 156 156	U 2.78 U 3.92 59.9 U 0.333 22,300 U 0.555 22.2 22.2	U	3.08 U 1.85 U 28.3 0.37 U 1,890 0.616 U 36.4 36.4	3.07 U 1.84 U 31.9 0.368 U 1,410 0.613 U 195	2.83 U 2.03 74.9 0.34 U 2,770 0.861 37.4 36.5	2.82 U 1.69 U 28.4 0.339 U 1,090 0.564 U 11.7	2.83 U 1.7 U 34.1 0.34 U 2.010 0.566 U 14.6	3.6 U 3.16 29.8 0.432 U 4,260 0.719 U 40.9 40.9	3.13 4.69 453 0.375 1,520 0.625 14.2 14.2	U	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9	3.08 U 1.85 U 72.6 0.369 U 3,910 0.616 U 54.5 54.5	9,310 3.28 U 2.64 26.2 0.394 U 2,680 0.656 U 34.2 34.2	2.81 U 4.36 70.8 0.338 U 51,000 0.563 U 32.9 32.9
Assenic Basinic Basinic Calcium Calcium Chromium, Hexavalent Chromium, Total Chromium, Trivalent Cobalt	350 2.5 ~ 1 ~ 30 ~	400 4.3 ~ 110 ~ 180 ~	3.32 2.03 24.4 0.398 2,510 0.664 47.5 47.5	U 3.41 2.05 67.1 U 0.409 4,730 U 0.682 156 156 57.2	U 2.78 U 3.92 59.9 U 0.333 22,300 U 0.555 22.2 22.2 9.57	U	3.08 U 1.85 U 28.3 0.37 U 1,890 0.616 U 36.4 36.4	3.07 U 1.84 U 31.9 0.388 U 1,410 0.613 U 195 52.4	2.83 U 2.03 74.9 0.34 U 2,770 0.861 37.4 36.5 18.6	2.82 U 1.69 U 28.4 0.339 U 1,090 0.564 U 11.7 11.7 6.24	2.83 U 1.7 U 34.1 0.34 U 2.010 0.586 U 14.6 6.92	3.6 U 3.16 29.8 0.432 U 4,260 0.719 U 40.9 16	3.13 4.69 453 0.375 1,520 0.625 14.2 14.2 6.92	U	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9 54.9 24.4	3.08 U 1.85 U 72.6 0.369 U 3,910 0.616 U 54.5 54.5 24.7	9,310 3.28 U 2.64 28.2 0.394 U 2,680 0.656 U 34.2 34.2 13.4	2.81 U 4.36 70.8 0.338 U 51,000 0.563 U 32.9 8.72
Arzenic ' Barium Cadmium Calcium Chromium, Hexavelent Chromium, Total Chromium, Trivalent	350 2.5 ~ 1 ~	400 4.3 ~ 110 ~	3.32 2.03 24.4 0.398 2,510 0.664 47.5 47.5	U 3.41 2.05 67.1 U 0.409 4,730 U 0.682 156 156	U 2.78 U 3.92 59.9 U 0.333 22,300 U 0.555 22.2 22.2	U	3.08 U 1.85 U 28.3 0.37 U 1,890 0.616 U 36.4 36.4	3.07 U 1.84 U 31.9 0.368 U 1,410 0.613 U 195	2.83 U 2.03 74.9 0.34 U 2,770 0.861 37.4 36.5	2.82 U 1.69 U 28.4 0.339 U 1,090 0.564 U 11.7	2.83 U 1.7 U 34.1 0.34 U 2.010 0.566 U 14.6	3.6 U 3.16 29.8 0.432 U 4,260 0.719 U 40.9 40.9	3.13 4.69 453 0.375 1,520 0.625 14.2 14.2	U	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9	3.08 U 1.85 U 72.6 0.369 U 3,910 0.616 U 54.5 54.5	9,310 3.28 U 2.64 26.2 0.394 U 2,680 0.656 U 34.2 34.2	2.81 U 4.36 70.8 0.338 U 51,000 0.563 U 32.9 32.9
Arsenic Barrium Cadmium Cadmium Chromium, Hexavelent Chromium, Texal Chromium, Total Chromium, Tivalent Cobait	350 2.5 ~ 1 ~ 30 ~	400 4.3 ~ 110 ~ 180 ~	3.32 2.03 24.4 0.398 2,510 0.664 47.5 47.5 19.5 23.8	U 3.41 2.05 67.1 0.409 4,730 0.682 158 156 57.2 29.6	U 2.78 U 3.92 59.9 U 0.333 22,300 U 0.555 22.2 22.2 9.57 31.9	U	3.08 U 1.85 U 28.3 0.37 U 1.890 0.616 U 36.4 36.4 17.4	3.07 U 1.84 U 31.9 0.388 U 1,410 0.613 U 195 195 52.4 41.6	2.83 U 2.03 74.9 0.34 U 2,770 0.861 37.4 36.5 18.6 37.4	2.82 U 1.69 U 28.4 0.339 U 1.090 0.564 U 11.7 11.7 6.24 20.4	2.83 U 1.7 U 34.1 0.34 U 2,010 0.566 U 14.6 14.6 6.92 20.6	3.6 U 3.16 29.8 0.432 U 4.260 0.719 U 40.9 16 16.4	3.13 4.69 453 0.375 1,520 0.625 14.2 14.2 6.92 30.5	U	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9 54.9 24.4 46.9	3.08 U 1.85 U 72.6 0.369 U 3,910 0.616 U 54.5 54.5 24.7 44.6	9,310 3.28 U 2.64 26.2 0.394 U 2,680 0.666 U 34.2 34.2 13.4 12.8	2.81 U 4.36 70.8 0.338 U 51,000 0.563 U 32.9 32.9 8.72 34.5
Arsenic Barrium Cadmium Cadmium Calcium Chromium, Hexavelent Chromium, Total Chromium, Total Chromium, Total Choper Godalt Copper	350 2.5 ~ 1 ~ 30 ~ 50	400 4.3 ~ 110 ~ 180 ~ 270 ~	3.32 2.03 24.4 0.398 2.510 0.664 47.5 47.5 19.5 23.8 18,800	U 3.41 2.05 67.1 U 0.409 4,730 U 0.682 156 156 57.2 29.6 41,300	U 2.78 3.92 59.9 U 0.333 22,300 U 0.555 22.2 22.2 9.57 31.9	U	3.08 U 1.85 U 28.3 0.37 U 1.890 0.616 U 36.4 36.4 17.4 16.8 16.400	3.07 U 1.84 U 31.9 0.368 U 1,410 0.613 U 195 195 52.4 41.6 39,700	2.83 U 2.03 74.9 0.34 U 2,770 0.861 37.4 36.5 18.6 37.4 18,800	2.82 U 1.69 U 28.4 0.339 U 1.090 0.564 U 11.7 11.7 6.24 20.4	2.83 U 1.7 U 34.1 0.34 U 2.010 0.566 U 14.6 14.6 6.92 20.6 13,000	3.6 3.16 29.8 0.432 U 4.260 0.719 U 40.9 16 16.4 20,000	3.13 4.69 453 0.375 1,520 0.625 14.2 14.2 6.92 30.5 9,690	U	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9 54.9 24.4 46.9 20,900	3.08 U 1.85 U 72.6 0.369 U 3,910 0.616 U 54.5 54.5 24.7 44.6 19,800	9,310 3,28 2,64 26,2 26,2 0,656 0,656 U 34,2 34,2 13,4 12,8 20,700	2.81 U 4.36 70.8 0.338 U 51,000 0.563 U 32.9 8.72 34.5 13,200
Arsenic Barrium Cadmium Cadmium Cadmium Catolium Ozromium, Howardent Ozromium, Total Ozromium, Total Cadott Cadott Cadott Cadott Cadott Agreesium Magnesium Margnesee	350 2.5 ~ 1 ~ 30 ~ 50 ~ 63 ~ 1,600	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000	3.32 2.03 24.4 0.398 2,510 0.864 47.5 47.5 19.5 23.8 18,800 55 16,300 203	U 3.41 2.05 67.1 U 0.409 4,730 U 0.882 156 156 57.2 29.6 41,300 11.6 31,500 431	U 2.78 U 3.92 58.9 U 0.333 22,300 U 0.555 22.2 22.2 9.57 31.9 13,800 115 7,230 209	U	3.08 U 1.95 U 28.3 0.37 U 1.890 0.616 U 36.4 36.4 17.4 16.8 16,400 10.4 20,100 232	3.07 U 1.84 U 31.9 0.388 U 1.410 0.613 U 195 195 52.4 41.6 39,700 2.71 85,300 675	2.83 U 2.03 74.9 0.34 U 2.770 0.861 37.4 36.5 18.6 37.4 18.800 235 6,190 286	2.82 U.1.69 U.2.84 0.339 U.3.090 0.664 U.1.7 11.7 6.24 20.4 10,400 5 2,370 235	2.83 U 1.7 U 34.1 0.34 U 2,010 0.566 U 14.6 14.6 14.6 13,000 7.42 2,770 156	3.6 U 3.16 29.8 0.432 U 4.260 0.719 U 40.9 16 16.4 20,000 52.4 17,100 278	3.13 4.69 453 0.375 1,520 0.625 14.2 14.2 6.92 30.5 9,690 302 907 38.7	U	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9 54.9 24.4 48.9 20,900 99.2 18,700 409	3.08 U 1.85 U 72.6 0.369 U 3.910 0.616 U 64.5 54.5 24.7 44.6 19,800 101 18,000 416	9,310 3,28 2,64 26,2 0,394 U,686 U,34,2 34,2 34,2 34,2 12,8 20,700 21,1 12,200 320	2.81 U 4.36 70.8 0.338 U 51,000 0.563 U 32.9 8.72 34.5 13,200 64.4 10,100 223
Arsenic Barrium Cadmium Cadmium Cadmium Cadmium Cadmium Cadmium Cadmium Cadmium Cadmium Conomium, Triadent Cobalt Copper Iron Isangesium Manganese Mercary Mercary	350 2.5 ~ 1 ~ 30 ~ 50 ~ 63 ~ 1,600 0.18	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000 0.81	3.32 2.03 24.4 0.398 2,510 0.884 47.5 47.5 19.5 23.8 18,800 55 16,300 203 0.0398	U 3.41 2.05 67.1 U 0.409 4,730 U 0.882 156 156 57.2 29.6 41,300 11.6 31,500 431 U 0.0409	U 2.78 3.92 59.9 U 0.333 22,300 U 0.555 22.2 22.2 22.2 13,800 115 7,230 209 U 0.238	U	3.08 U 1.85 U 28.3 0.37 U 1,890 0.616 U 38.4 36.4 17.4 16.8 16,400 10.4 20,100 232 0.037 U	3.07 U 1.84 U 31.9 0.368 U 1,410 0.613 U 195 52.4 41.6 39,700 2.71 85,300 675 0.0368 U	2.83 U 2.03 74.9 0.34 U 2.770 0.861 37.4 36.5 18.6 37.4 18.800 225 6.190 266 0.156	2.82 U.1.69 U.2.82 U.3.39 U.3.39 U.1.090 0.564 U.11.7 11.7 6.24 20.4 10.400 5 5 2,370 235 0.0339 U.3.39 U.3.30 U.3	2.83 U 1.7 U 34.1 U 2.010 0.566 U 14.6 6.92 20.6 13.000 7.42 2.770 156 0.034 U	3.6 U 3.16 29.8 0.432 U 4.260 0.719 U 40.9 16 16.4 20,000 52.4 17,100 278 0.246	3.13 4.69 453 0.375 1,520 0.625 14.2 14.2 6.92 30.5 9,690 302 907 38.7 0.0481	U	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9 54.9 24.4 48.9 20,900 99.2 18,700 409 0.465	3.08 U 1.85 U 72.6 0.369 U 3.9110 0.816 U 54.5 24.7 44.6 19,800 101 18,000 416 0.516	9,310 3,28 U 2,64 262 0,394 U 0,856 U 34.2 34.2 34.2 13.4 12.8 20,700 2,11 12,200 320 0,0394 U	2.81 U 4.36 70.8 0.338 U 51,000 0.563 U 32.9 32.9 8.72 34.5 13,200 64.4 10,100 223 0.176
Arsanic Barrium Cadritum Cadritum Controllum, Nexositent Conrollum, Total Conrollum, Total Controllum,	350 2.5 ~ 1 ~ 30 ~ 50 ~ 63 ~ 1,600	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000	3.32 2.03 24.4 0.398 2,510 0.884 47.5 47.5 19.5 23.8 18,800 55 16,300 203 0.0398	U 3.41 2.05 67.1 0.409 4,730 0.682 156 156 57.2 29.6 41,300 11.8 31,500 431 0.0409	U 2.78 3.92 59.9 0.333 22,300 0.555 22.2 22.2 9.57 31.9 13,800 115 7,230 209 0.238 71.7	U	3.08 U 1.85 U 28.3 0.37 U 1.890 0.616 U 36.4 36.4 17.4 16.400 10.4 20,100 232 0.037 U 285	3.07 U 1.84 U 31.9 0.388 U 1.410 0.613 U 195 195 52.4 41.6 39,700 2.71 85,300 6,75 0.0368 U 1,200	2.83 U 74.9 0.34 U 2.770 0.861 37.4 38.5 18.6 37.4 18.800 235 6.156 0.156 158	2.82 U. 1.89 U. 28.4 0.339 U. 1.030 0.584 U. 11.7 6.24 20.4 10,400 5 2.370 236 0.0339 U. 71.5	2.83 U 1.7 U 34.1 0.34 U 2.010 0.666 U 14.6 14.6 14.6 6.92 20.6 13.000 7.42 2.770 156 0.034 U	3.6 U 3.6 29.8 0.432 U 4.280 0.719 U 40.9 40.9 16 18.4 20,000 52.4 17,100 278 0.246 272	3.13 4.89 453 0.375 1,520 0.625 14.2 14.2 6.92 30.5 9,690 302 907 38.7 0.0481	U	3.09 U 2.34 67.9 67.9 0.371 U 3.670 0.619 U 54.9 54.9 24.4 46.9 20,900 99.2 18,700 409 0.465 391	3.08 U 1.85 U 72.8 0.369 U 3,910 0.616 U 54.5 54.5 54.5 24.7 44.6 19,800 101 18,000 410 0.516 367	9,310 3,28 2,64 2,62 2,69 0,666 0,666 0,42 342 342 342 12,8 20,700 2,11 12,200 320 0,0934 U 176	2.81 U 4.36 70.8 0.338 U 51,000 0.663 U 32.9 8.72 34.5 13,200 64.4 10,100 223 0.176 74.1
Areanic Barrium Cadmium Cadmium Cadmium Caticium Caticium Conomium, Nesolatet Conomium, Trivalent Conomium, Trivalent Cobat Copper Iron Lagracium Magnesium Magnesium Nicola Potassium	350 2.5 ~ 1 ~ 30 ~ 50 ~ 63 ~ 1.600 0.18 30 ~	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000 0.81 310	3.32 2.03 24.4 0.398 2,510 0.664 47.5 19.5 23.8 18,800 55 16,300 203 0.0388 1,170	U 3.41 2.05 67.1 0 0.409 4,730 0 0.882 158 158 57.2 22.6 41,300 11.6 31,500 0.0409 902 3,630	U 2.78 3.92 59.9 U 0.333 22,300 U 0.555 22.2 22.2 9.57 31.9 13,800 115 7,230 209 0.238 71.7	U	3.08 U 1.85 U 28.3 0.37 U 1.890 0.616 U 36.4 17.4 16.8 16.400 10.04 20.100 222 0.037 U 285	3.07 U 1.84 U 31.9 0.368 U 1.410 0.613 U 195 195 52.4 41.6 39,700 2.71 85,300 675 0.0368 U 1.200 906	2.83 U 2.03 74.9 0.34 U 2.770 0.861 37.4 36.5 18.6 37.4 18,800 235 6,190 286 0.156 158	2.82 U. 1.69 U. 28.4 0.339 U. 1.090 0.564 U. 11.7 6.24 10.400 5 2.370 2.25 0.0339 U. 71.5 851	2.83 U 1.77 U 34.1 U 2.010 0.586 U 14.6 6.92 20.6 13.000 7.42 2.770 156 0.034 U 66 1.280	3.6 U 3.16 29.8 0.432 U 4.260 0.719 U 40.9 16 16.4 20,000 62.4 17,100 278 0.246 272 1,550	3.13 4.69 453 0.375 1.520 0.625 14.2 14.2 6.92 30.5 9.690 302 907 38.7 0.0481 31.2 474	U	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9 54.9 24.4 46.9 20,900 99.2 18,700 409 0.465 391 918 B	3.08 U 1.95 U 72.6 0.3699 U 3.910 0.616 U 54.5 54.5 22.7 44.6 19,800 101 18,000 416 0.516 367 962 B	9,310 3,28 U 2,64 2,62 0,394 U 2,680 0,666 U 34,2 13,4 12,8 12,7 13,4 12,2 0 0,7 176 1,860 B	2.81 U 4.38 70.8 0.338 U 51,000 0.563 U 32.9 8.72 34.5 13,200 64.4 10,100 223 0.176 74.1 747
Arsenic Barrium Cadmium Cadmiu	350 2.5 ~ 1 ~ 30 ~ 50 ~ 63 ~ 1,000 0.18 30 ~ 3.9	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 0.81 310 ~	3.32 2.03 24.4 0.398 2,510 0.884 47.5 19.5 23.8 18,800 55 16,300 203 0.0398 319 1,170 3.32	U 2.05 67.1 U 0.409 4,739 U 0.882 186 186 156 157.2 29.6 41,300 11.8 31,500 431 U 0.0409 902 3,630 U 0.341	U 2.78 U 3.92 59.9 U 0.333 22,300 0.555 22.2 22.2 9.57 31.9 13,800 115 7,230 209 U 0.238 71.7 1,070 U 0.238	U	3.08 U 1.85 U 28.3 0.37 U 1.890 0.616 U 36.4 36.4 17.4 16.8 16,400 10.4 20,100 232 0.037 U 285 861 3.08 U	3.07 U 1.84 U 31.9 0.388 U 1,410 0.613 U 195 195 52.4 41.6 39,700 2.71 85,300 675 0.0368 U 1,200 906 3.07 U	2.83 U 2.03 74.9 0.34 U 2.770 0.861 37.4 36.5 18.6 37.4 18.800 235 6.190 286 0.156 158 1.030 2.83 U	2.82 U.1.69 U.2.84 U.3.39 U.1.090 U.5.64 U.11.7 6.24 20.4 10,400 5.5 2,370 235 0.0339 U.71.5 851 2.82 U.4.10,400 U.5.10 U	2.83 U 1.7 U 34.1 0.34 U 2.010 0.566 U 14.6 14.6 6.92 20.6 13.000 7.42 2.770 156 0.034 U 66 1.280 U 2.83 U	3.6 U 3.16 29.8 0.432 U 4.260 0.719 U 40.9 16 16.4 20.000 52.4 17,100 278 0.246 272 1,550 3.6 U	3.13 4.89 483 0.375 1,520 0.625 14.2 14.2 14.2 6.92 30.5 9,690 302 907 38.7 0.0481 31.2 4.74 3.13	UUUU	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9 54.9 24.4 48.9 20.900 99.2 18,700 409 0.465 391 918 B 3.09 U	3.08 U 1.85 U 72.8 0.389 U 3.910 0.616 U 54.5 54.5 24.7 44.6 19.800 101 18,000 416 0.516 367 962 8 3.08 U	9.310 3.28 2.64 2.62 2.62 2.690 0.666 U 34.2 34.2 12.8 12.8 12.9 21.1 12.200 22.00 23.0 0.0394 U 176 1,860 B 1,860	2.81 U 4.38 70.8 0.338 U 51,000 0.6663 U 32.9 8.72 34.5 13,200 64.4 10,100 223 0.178 74.1 747 2.81 U
Areanic Barrium Cadmium Cadmium Cadmium Caticium Caticium Conomium, Nesolatet Conomium, Trivalent Conomium, Trivalent Cobat Copper Iron Lagracium Magnesium Magnesium Nicola Potassium	350 2.5 ~ 1 ~ 30 ~ 50 ~ 63 ~ 1.600 0.18 30 ~	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000 0.81 310	3.32 2.03 24.4 0.398 2,510 0.664 47.5 19.5 23.8 18,800 55 16,300 203 0.0388 1,170	U 3.41 2.05 67.1 0 0.409 4,730 0 0.882 158 158 57.2 22.6 41,300 11.6 31,500 0.0409 902 3,630	U 2.78 3.92 59.9 U 0.333 22,300 U 0.555 22.2 22.2 9.57 31.9 13,800 115 7,230 209 0.238 71.7	U	3.08 U 1.85 U 28.3 0.37 U 1.890 0.616 U 36.4 17.4 16.8 16.400 10.04 20.100 222 0.037 U 285	3.07 U 1.84 U 31.9 0.368 U 1.410 0.613 U 195 195 52.4 41.6 39,700 2.71 85,300 675 0.0368 U 1.200 906	2.83 U 2.03 74.9 0.34 U 2.770 0.861 37.4 36.5 18.6 37.4 18,800 235 6,190 286 0.156 158	2.82 U. 1.69 U. 28.4 0.339 U. 1.090 0.564 U. 11.7 6.24 10.400 5 2.370 2.25 0.0339 U. 71.5 851	2.83 U 1.77 U 34.1 U 2.010 0.586 U 14.6 6.92 20.6 13.000 7.42 2.770 156 0.034 U 66 1.280	3.6 U 3.16 29.8 0.432 U 4.260 0.719 U 40.9 16 16.4 20,000 62.4 17,100 278 0.246 272 1,550	3.13 4.69 453 0.375 1.520 0.625 14.2 14.2 6.92 30.5 9.690 302 907 38.7 0.0481 31.2 474	U	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9 54.9 24.4 46.9 20,900 99.2 18,700 409 0.465 391 918 B	3.08 U 1.95 U 72.6 0.3699 U 3.910 0.616 U 54.5 54.5 22.7 44.6 19,800 101 18,000 416 0.516 367 962 B	9,310 3,28 U 2,64 2,62 0,394 U 2,680 0,666 U 34,2 13,4 12,8 12,7 13,4 12,2 0 0,7 176 1,860 B	2.81 U 4.38 70.8 0.338 U 51,000 0.563 U 32.9 8.72 34.5 13,200 64.4 10,100 223 0.176 74.1 747
Arsenic Barrium Cadmium Cadmium Cadmium Cadmium Cadmium Cadmium Cadmium Cadmium Comonium, Total Comonium, Total Comonium, Total Comonium, Total Comonium Cadmium Cadmi	350 2.5 ~ 1 ~ 30 ~ 60 63 ~ 1,600 0.18 30 ~ 3.9 2	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000 0,81 310 ~ 180 ~ ~	3.32 2.03 24.4 0.398 2.510 0.864 47.5 19.5 23.8 18,800 55 16,300 203 0.0398 319 1,170 3.32 0.664	U 2.05 67.1 U 0.409 4.730 U 0.682 156 156 157 2 29.6 41,000 11.6 0.0409 902 9.6 3,630 U 0.682	U 2.78 0 3.92 59.9 U 0.333 22,300 U 0.555 22.2 22.2 9.57 31.9 13,800 115 7,230 209 U 0.238 71.7 1,070 U 2.78 U 0.555	U	3.08 U 1.85 U 28.3 U 28.3 U 1.85 U 28.3 U 1.890 U.616 U 36.4 17.4 16.8 16.400 10.4 20,100 232 U 285 861 3.08 U U 0.616 U U	3.07 U 31.9 U 31.9 0.388 U 1,410 0.613 U 195 195 52.4 41.8 52.4 41.8 95.00 675 0.0368 U 1,200 906 3.07 U 1,74	2.83 U 2.03 74.9 0.34 U 2.770 0.861 37.4 36.5 18.8 37.4 18.800 285 190 286 0.156 188 1.030 0.868 U 0.568 U 0.568 U	2.82 U. 1.69 U. 2.84 0.339 U. 1.090 0.564 U. 11.7 6.24 20.4 10,400 5. 2.370 235 0.0339 U. 71.5 851 2.82 U. 6.584 U. 6.58	2.83 U 34.1 0.34 U 2.010 0.568 U 14.6 14.6 14.6 13.000 7.42 2.770 156 0.034 U 66 1.280 0.386 U	3.6 U 3.16 29.8 0.432 U 4.260 0.719 U 40.9 40.9 16 16.4 20,000 52.4 17,100 278 0.246 272 1,550 3.6 U 0.719 U	3.13 4.89 453 0.375 1.520 0.625 14.2 14.2 6.92 30.5 9,690 302 907 38.7 0.0481 31.2 474 3.13 0.625	UUUU	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9 24.4 46.9 20,900 99.2 18,700 409 0.465 391 918 B 3.09 U 0.619 U	3.08 U 1.95 U 7.2.6 0.369 U 3.910 0.616 U 54.5 54.5 54.5 7 44.6 19.800 11 18.000 416 367 962 B 3.08 U 0.616 U 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9,310 3,28 U 2,84 26,2 0,394 U 2,890 0,856 U 34,2 13,4 12,2 13,4 12,2 0 0,700 21,1 176 1,860 B 3,28 U 0,666 U	2.81 U 4.36 70.8 0.338 U 51,000 0.563 U 32.9 32.9 8.72 34.5 13,200 84.1 10,100 223 74.17 747 2.81 U 0.563 U
Arsanic Barrium Cadrium Cadrium Cadrium Commium, Heavarlent Chromium, Total Chromium Capper Fere Lagrania Marganese Mercary Nectal Mercary Nectal Selection Sele	350 2.5 ~ 1 ~ 30 ~ 50 ~ 63 ~ 1,000 0.18 30 ~ 3.9	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 0.81 310 ~	3.32 2.03 24.4 0.398 2,510 0.884 47.5 19.5 23.8 18,800 203 0.0398 319 1,170 3.32 0.884	U 2.05 67.1 U 0.409 4.730 U 0.682 156 57.2 29.6 41,300 11.6 31,500 431 U 0.0409 992 3,630 U 0.682 20.0 U 0.682 22.6 41,300 0.0409 0.040	U 2.78 U 392 59.9 U 0.333 22,300 U 0.555 22.2 22.2 9.57 31.9 U 13,800 115 7,230 209 0 0.238 71.7 1,070 U 0.555 5 0.555	U	3.08 U 1.85 U 28.3 U 28.3 U 28.3 U 1.890 0.616 U 36.4 36.4 17.4 16.80 10.4 20,100 2.22 0.037 U 285 861 3.08 U 0.616 U	3.07 U 31.9 0.388 U 1.410 0.613 U 195 195 52.4 41.6 39,700 2.71 85,300 675 0.0368 U 1.200 906 3.07 U 1.74 127	2.83 U 2.03 74.9 0.34 U 2.770 0.861 37.4 36.5 18.6 37.4 18.800 235 6.190 286 0.156 189 1.030 0.566 U 276	2.82 U.1.69 U.2.84 U.339 U.1.70 U.564 U.11.7 6.24 20.4 10,400 5.2.370 235 0.0339 U.71.5 851 2.82 U.564 U.98.3	2.83 U 34.1 0.34 U 2.010 0.566 U 14.6 6.92 2.0.6 13.000 7.42 2.770 156 0.034 U 66 1.280 0.566 U	3.6 U 3.16 29.8 0.432 U 4.260 0.719 U 40.9 16 16.4 20.000 52.4 17,100 278 0.246 272 1,550 0.719 U 191	3.13 4.69 453 0.375 1,520 0.625 14.2 14.2 6.92 30.5 9,690 302 907 38.7 0.0481 31.2 474 3.13 0.625 1.42	UUUU	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9 24.4 46.9 20,900 99.2 18,700 409 0.465 391 918 B 3.09 U 0.619 U	3.08 U 72.6 O.369 U 3.910 O.616 U 54.5 S4.5 24.7 44.6 19,800 101 18,000 416 O.516 367 82.0 U 0.616 U 177	9,310 3,28 U 2,64 26,2 0,394 U 2,680 0,656 U 34,2 34,2 13,4 12,8 20,700 21,1 12,200 320 0,0394 U 176 1,860 1,860 U 0,656 U 0,656 U 0,656	2.81 U 4.36 70.8 0.338 U 51,000 0.563 U 32.9 8.72 34.5 13,200 64.4 10,100 223 0.176 74.1 747 747 241 U 0.563 U
Arsenic Barrum Cadrium Cadrium Cadrium Cadrium Cadrium Cadrium Cadrium Cadrium Coronium Towlent Catost Cacper Ion Ion Magnesium Marganese Mercory No.Cel Solenium Silver Solenium Silver Solenium Silver Solenium	350 2.5 ~ 1 ~ 30 ~ 60 63 ~ 1,600 0.18 30 ~ 3.9 2	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000 0,81 310 ~ 180 ~ ~	3.32 2.03 24.4 0.398 2,510 0.884 47.5 47.5 19.5 23.8 18,800 55 16,300 203 0.0398 319 1,170 3.32 0.684 260 25.9	U 2.05 67.1 U 0.409 4.730 U 0.682 158 158 159 22.8 41,000 11.8 31,500 431 0.0409 902 902 3,630 U 0.882 280 41,200 41,200 431 U 0.682 280 41,200 41,200 431 U 0.682 280 41,200 41,	U 2.78 9.93 0.392 59.99 0.393 22,300 0.555 22.2 22.2 22.2 9.57 31.9 13,800 115 7,230 0.238 71.7 1,070 U 2.78 U 0.555 358 29.8	U	3.08 U 1.85 U 28.3 0.37 U 1.990 0.616 U 36.4 36.4 17.4 16.80 10.4 10.4 20.100 232 0.037 U 285 861 3.08 U 0.616 U	3.07 U 31.9 0.388 U 1,410 0.613 U 1,611 U 195 195 52.4 41.8 52.4 41.8 52.4 41.8 52.4 141.0 0.0088 U 1,200 0.0088 U 1,200 0.0088 U 1,274 127 16.2	2.83 U 2.03 74.9 0.34 U 2.770 0.861 37.4 36.5 18.8 37.4 18,800 285 0.156 188 1.030 2.83 U 0.5668 U 0.566 U 0.566	2.82 U. 1.69 28.4 U. 3.39 U. 3	2.83 U 1.7 U 34.1 0.34 U 2.010 0.5566 U 14.6 6.92 2.0.0 15.6 0.024	3.6 U 3.16 29.8 0.432 U 4.260 0.719 U 40.9 40.9 16 16.4 20.000 52.4 17.100 278 0.246 272 1,550 3.6 U 0.719 U 191 24.1	3.13 4.89 453 0.375 1,520 0.625 14.2 6.92 30.5 9,690 302 907 38.7 0.0481 31.2 474 3.13 0.625 142 14.8	UUUU	3.09 U 2.34 67.9 0.371 U 3.670 0.619 U 54.9 24.4 48.9 20,900 99.2 18,700 409 0.465 391 918 B 3.09 U 0.619 U 158	3.08 U 7.2.6 0.369 U 7.2.6 0.369 U 3.910 0.616 U 54.5 24.7 44.6 19,800 0.516 367 952 B 3.08 U 0.616 U	9,310 3,28 U 2,84 26,2 0,394 U 2,680 0,656 U 34,2 13,4 12,8 12,1 11,200 0,000 1,100	2.81 U 4.36 70.8 0.338 U 51,000 0.553 U 32.9 32.9 8.72 34.5 13,200 64.4 10,100 223 0.176 74.1 747 2.81 U 0.563 U 0.663 U 0.663 U

Table 1 Soil Sample Analytical Results Summary

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Location		NYSDEC Part 375	SB15	SB15	SB16	SB16	SB16	SB101	SB102	SB103	SB104	SB105	SB106	SB107	SB108	SB108	SB109	SB110	SB111
Sample ID	NYSDEC Part 375	Restricted Use	SB15_5-7	SB15_18-20	SB16_0-2	SB16_14-16	SB16_18-20	SB101_3-4	SB102_4-5	SB103_2.5-3.5	SB104_4.5-5.5	SB105_4-5	SB106_4.5-5.5	SB107_4.5-5.5	SB108_7-9.5	SODUP04_052220		SB110_9-10	SB111_8-9
Laboratory ID	Unrestricted Use	Restricted-	20E0055-02	20E0055-03	20D0849-01	20D0849-02	20D0849-03	20E0734-01	20E0734-02	20E0734-03	20E0734-04	20E0734-05	20E0734-06	20E0734-07	20E0734-08	20E0734-13	20E0734-09	20E0734-11	20E0734-12
Sample Date	SCOs	Residential SCOs	5/4/2020 5-7	5/4/2020	4/30/2020	4/30/2020	4/30/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020 4 5 5 5	5/22/2020 4-5	5/22/2020 4 5-5 5	5/22/2020 4 5-5 5	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020
Sample Depth (feet bgs)			5-7	18-20	0-2	14-16	18-20	3-4	4-5	2.5-3.5	4.5-5.5	4-5	4.5-5.5	4.5-5.5	7-9.5	7-9.5	4-5	9-10	8-9
Volatile Organic Compounds (mg/kg)	0.05	100	0.13 R	0.033 B	0.013 B	0.0042 JB	0.0076 J	0.0061 U	0.0058 U	0.01 J	0.018 B	0.0076 U	0.0058 U	0.0063 J	0.05	3 0.049	0.0071 U	0.017 F	0.082
Acetone Benzene	0.06	4.8	0.0025 U	0.0028 U	0.0026 U	0.0042 JB 0.0019 U	0.0076 J	0.0061 U	0.0058 U	0.003 U	0.018 B	0.0076 U	0.0058 U	0.0063	0.0043 L		0.0071 U	0.0026 L	0.0032 U
Carbon Disulfide	0.00	4.0	0.0025 U	0.0044 J	0.0026 U	0.0019 U	0.0026 U			0.003 U	0.0025 U	0.0038 U	0.0029 U	0.0028 U	0.0043 L		0.0035 U	0.0026 L	0.0032 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.038	0.0083	0.0026 U	0.0019 U	0.0026 U			0.003 U	0.0025 U	0.0038 U	0.0029 U	0.0028 U	0.011	0.0033 U	0.0035 U	0.0026 L	0.012
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	~	0.0025	0.0028	0.0026	0.0019	0.0026	0.0031 U	0.0029	0.003 U	0.0025 U	0.0038	0.0029 U	0.0028	0.0043	I 0.0033 II	0.0035 U	0.0026 L	0.0032
Semivolatile Organic Compounds (mg/kg)																			
2,4-Dimethylphenol	~	~	0.053 U	0.0546 U	0.0468 U	0.0491 U	0.0521 U	0.725 D	0.0479 U	0.0484 U	0.0467 U	0.0459 U	0.048 U	0.0463 U	0.0587 L	J 0.0553 U	0.053 U	0.0536 L	0.0535 U
2-Methylnaphthalene	~	~	0.053 U	0.0546 U	0.0468 U	0.0491 U	0.0521 U	4.68 D	0.0479 U	0.0484 U	0.0467 U	0.0459 U	0.048 U	0.293 D	0.0587 L		0.114 D	0.0536 L	0.0535 U
2-Methylphenol (o-Cresol)	0.33	100	0.053 U	0.0546 U	0.0468 U	0.0491 U	0.0521 U		0.0479 U	0.0484 U	0.0467 U	0.0459 U	0.048 U	0.0463 U	0.0587 L	J 0.0553 U	0.053 U	0.0536 L	0.0535 U
3 & 4 Methylphenol (m&p Cresol)	0.33	100	0.053 U	0.0546 U	0.0468 U	0.0491 U	0.0521 U		0.0479 U	0.0484 U	0.0467 U	0.0459 U	0.048 U	0.0502 JD	0.0587 L		0.053 U	0.0536 L	0.0535 U
Acenaphthene	20	100	0.053 U	0.0546 U	0.0611 JD	0.0491 U	0.0521 U			0.0484 U	0.0467 U	0.0459 U	0.048 U	1.32 D	0.0587 L		0.0718 JD	0.0536 L	0.0535 U
Acenaphthylene	100	100	0.053 U	0.0546 U	0.0468 U	0.0491 U	0.0521 U	16.1 D	0.0695 JD	0.0641 JE	0.0863 JE	0.0459 U	0.0674 JD	1.54 D	0.0731 J			0.0599 JI	0.0649 JD
Anthracene	100	100	0.053 U	0.0546 U	0.169 D	0.0491 U	0.0521 U	14.1 D	0.0479 U	0.111 D	0.067 JE	0.0459 U	0.0552 JD	5.09 D	0.0587 L			0.0539 JI	0.0777 JD
Benzo(a)Anthracene	1	1	0.0583 JD	0.0546 U	0.412 D 0.356 D	0.0491 U 0.0491 U	0.0521 U	34.7 D	0.166 D	0.453 D	0.197 D	0.0951 D	0.133 D	10.3 D	0.192 E		1.49 D	0.253 E	0.482 D
Benzo(a)Pyrene	1	1	0.053 U	0.0546 U 0.0546 U	0.356 D 0.373 D		0.0521 U	46.1 D	0.172 D	0.434 D 0.385 D	0.211 D 0.183 D	0.0864 JD 0.0747 JD	0.124 D 0.157 D	9.43 D	0.199 E		2.04 D	0.265 E	0.435 D 0.332 D
Benzo(b)Fluoranthene	400	400	0.053 U				0.0521 U 0.0521 U							7.07 D			1.74 D	0.203 E	
Benzo(g,h,i)Perylene Benzo(k)Fluoranthene	100 0.8	100 3.9	0.053 U 0.053 U	0.0546 U 0.0546 U	0.233 D 0.298 D		0.0521 U 0.0521 U		0.107 D	0.233 D 0.351 D	0.121 D 0.156 D	0.0527 JD 0.0673 JD	0.11 D 0.113 D	3.6 D	0.144 E		1.5 D 1.56 D	0.142 E	0.161 D 0.354 D
Benzolki Plutvi Phthalate	0.0	3.5	0.053 U	0.0546 U	0.298 D	0.0491 U	0.0521 U		0.137 D	0.0484 U	0.156 D	0.0673 JD 0.0459 U	0.113 D	0.0463 U	0.176 L		0.053 U	0.216 L	0.354 D
Biphenyl (Diphenyl)	~	~ 1	0.053 U	0.0546 U	0.0468 U	0.0491 U	0.0521 U	2.15 D	0.0479 U	0.0484 U	0.0467 U	0.0459 U	0.048 U	0.0974 D	0.0587 L		0.053 U	0.0536 L	0.0535 U
Bis(2-Ethylhexyl) Phthalate			0.053 U	0.0546 U	0.0529 JD	0.0491 U	0.0521 U	0.0505 U	0.0479 U	0.0484 U	0.0467 U	0.0459 U	0.048	0.0463 U	0.0587 L		0.053 U	0.0536 L	0.0535 U
Carbazole	~	~	0.053 U	0.0546 U	0.107 D		0.0521 U		0.0479 U	0.0757 JE	0.0467 U	0.0459 U	0.048 U	0.926 D	0.0587 L		0.496 D	0.0536 L	0.0535 U
Chrysene	1	3.9	0.053 U	0.0546 U	0.401 D	0.0491 U	0.0521 U	43.2 D	0.187 D	0.472 D	0.22 D	0.0988 D	0.175 D	9.28 D	0.203 E		2.25 D	0.216 E	0.415 D
Dibenz(a,h)Anthracene	0.33	0.33	0.053 U	0.0546 U	0.0902 JD	0.0491 U	0.0521 U	7.34 D	0.0479 U	0.0764 JE	0.0467 U	0.0459 U	0.0521 JD	2.01 D	0.0587 L		0.53 D	0.0676 JI	0.101 JD
Dibenzofuran	7	59	0.053 U	0.0546 U	0.0468 U	0.0491 U	0.0521 U	13.5 D	0.0479 U	0.0484 U	0.0467 U	0.0459 U	0.048 U	0.875 D	0.0587 L	J 0.0553 U	0.149 D	0.0536 L	0.0535 U
Fluoranthene	100	100	0.0659 JD	0.0546 U	1.02 D	0.0491 U	0.0521 U	135 D	0.337 D	1.05 D	0.341 D	0.161 D	0.184 D	21.9 D	0.331 E	0.379 D	3.82 D	0.318 E	0.687 D
Fluorene	30	100	0.053 U	0.0546 U	0.0468 U	0.0491 U	0.0521 U	14.2 D	0.0479 U	0.0484 U	0.0467 U	0.0459 U	0.048 U	2.16 D	0.0587 L	J 0.0553 U	0.24 D	0.0536 L	0.0535 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	0.053 U	0.0546 U	0.0468 U	0.0491 U	0.0521 U		0.103 D	0.241 D	0.126 D	0.0459 U	0.0973 D	4.07 D	0.123 E		1.24 D	0.141 E	0.194 D
Naphthalene	12	100	0.053 U	0.0546 U	0.0468 U	0.0491 U	0.0521 U		0.0479 U	0.0484 U	0.0467 U	0.0459 U	0.048 U	0.374 D	0.0587 L		0.135 D	0.0536 L	0.0535 U
Phenanthrene	100	100	0.053 U	0.0546 U	0.737 D		0.0521 U		0.14 D	0.552 D	0.234 D	0.127 D	0.104 D	16.9 D	0.207 E		2.92 D	0.104 JI	0.137 D
Phenol	0.33	100	0.053 U	0.0546 U	0.0468 U	0.0491 U	0.0521 U		0.0479 U	0.0484 U	0.0467 U	0.0459 U	0.048 U	0.0463 U	0.0587 L		0.053 U	0.0536 L	0.0535 U
Pyrene	100	100	0.0591 JD	0.0546 U	0.89 D	0.0491 U	0.0521 U	107 D	0.295 D	0.826 D	0.345 D	0.162 D	0.178 D	17.4 D	0.313 E	0.36 D	3.46 D	0.297	0.648 D
Pesticides (mg/kg) 4.4'-DDD	0.0000	13	0.00000 11	0.00000 11	0.00400 11	0.00404 11	0.00000 11	NA.	NA.		NA	NA.	NA.	NA.	NA	NA.	112	NA.	NA.
4,4*-DDE	0.0033	8.9	0.00206 U 0.00206 U	0.00322 U 0.00322 U	0.00186 U 0.00186 U	0.00194 U 0.00194 U	0.00206 U 0.00206 U	NA NA	NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA	NA NA	NA NA	NA NA
4.4-DDE 4.4-DDT	0.0033	7.9	0.00206 U	0.00322 U	0.00186 U	0.00194 U	0.00206 U	NA NA	NA	NA	NA	NA NA	NA NA	NA NA	NA	NA	NA NA	NA NA	NA NA
Alpha BHC (Alpha Hexachlorocyclohexane)	0.02	0.48	0.00206 U	0.00322 U	0.00186 U	0.00194 U	0.00206 U	NA.	NΔ	NΔ	NA.	NΔ	NΔ	NA.	NΔ	NΔ	NA.	NΔ	NA.
Alpha Chlordane	0.02	4.2	0.00206 U	0.00322 U	0.0124 DP		0.00206 U		NA.	NA.	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA.	NA.
Chlordane (alpha and gamma)	~	~	0.0413 U	0.0844 U	0.0628 D	0.0389 U	0.0413 U	NΔ	NΔ	NΔ	NΔ	NΔ	NΔ	NΔ	NΔ	NΔ	NΔ	NΔ	NΔ
Gamma-Chlordane	~	~	0.00206 U	0.00322 U	0.00869 D	0.00194 U	0.00206 U	NA.	NA.	NA.	NA	NA.	NA	NA.	NA	NA.	NA	NA.	NA.
Heptachlor	0.042	2.1	0.00206 U	0.00322 U	0.00186 U	0.00194 U	0.00206 U	NA.	NA.	NA.	NA	NA.	NA	NA.	NA	NA	NA.	NA.	NA.
Herbicides (mg/kg)	~	~	ND	ND	ND	ND	ND	NA	NA	NA.	NA	NA.	NA	NA.	NΔ				
Polychlorinated Biphenyls (mg/kg)							•									NA.	NA	NA.	NA.
PCB-1254 (Araclar 1254)													100		TRM	NA.	NA.	NA.	NA
	~	~	0.0208 U	0.0325 U	0.0188 U	0.0196 U	0.0209 U	0.0201 U	0.0993	0.0195 U	0.0188 U	0.0184 U	0.0191 U	0.0183 U	0.0233 U	J 0.0218 U	0.0211 U	0.0211 L	0.0213 U
PCB-1260 (Aroclor 1260)	~	~ ~	0.0208 U	0.0325 U	0.0522	0.0196 U	0.0209 U	0.0201 U	0.0191 U	0.0195 U	0.0188 U	0.0184 U	0.0191 U 0.0191 U	0.0183 U 0.0183 U	0.0233 L 0.0233 L	J 0.0218 U J 0.0218 U	0.0211 U 0.0211 U	0.0211 L 0.0211 L	0.0213 U 0.0213 U
Total PCBs	~ ~ 0.1	~ ~ 1					0.0209 U	0.0201 U					0.0191 U	0.0183 U	0.0233 U	J 0.0218 U	0.0211 U	0.0211 L	0.0213 U
Total PCBs Inorganics (mg/kg)	0.1	~ ~ 1	0.0208 U 0.0208 U	0.0325 U 0.0325 U	0.0522 0.0522	0.0196 U 0.0196 U	0.0209 U 0.0209 U	0.0201 U 0.0201 U	0.0191 U 0.0993	0.0195 U 0.0195 U	0.0188 U 0.0188 U	0.0184 U 0.0184 U	0.0191 U 0.0191 U 0.0191 U	0.0183 U 0.0183 U 0.0183 U	0.0233 L 0.0233 L 0.0233 L	J 0.0218 U J 0.0218 U J 0.0218 U	0.0211 U 0.0211 U 0.0614	0.0211 L 0.0211 L 0.0211 L	0.0213 U 0.0213 U 0.0213 U
Total PCBs Inorganics (mg/kg) Aluminum	0.1	~ ~ 1	0.0208 U 0.0208 U 7,800	0.0325 U 0.0325 U	0.0522 0.0522 6,300	0.0198 U 0.0198 U 6,470	0.0209 U 0.0209 U	0.0201 U 0.0201 U	0.0191 U 0.0993	0.0195 U 0.0195 U	0.0188 U 0.0188 U	0.0184 U 0.0184 U	0.0191 U 0.0191 U 0.0191 U 2,600	0.0183 U 0.0183 U 0.0183 U 9,150	0.0233 L 0.0233 L 0.0233 L 6,620	J 0.0218 U 0.0218 U 0.0218 U 0.0218 U 7,950	0.0211 U 0.0211 U 0.0614	0.0211 U 0.0211 U 0.0211 U 6,420	0.0213 U 0.0213 U 0.0213 U 4,440
Total PCBs Inorganics (mg/kg) Aluminum Antimory	~ ~	1	7,800 3.18	0.0325 U 0.0325 U 5,890 3.29 U	0.0522 0.0522 6,300 2.83 U	0.0196 U 0.0196 U 6,470 2.98 U	0.0209 U 0.0209 U 5,600 3.15 U	0.0201 U 0.0201 U 4,720 3.05 U	0.0191 U 0.0993 8,700 2.92 U	0.0195 U 0.0195 U 10,200 24.5	0.0188 U 0.0188 U 5,780 2.83 U	0.0184 U 0.0184 U 3,190 2.79 U	0.0191 U 0.0191 U 0.0191 U 2,600 2.88 U	0.0183 U 0.0183 U 0.0183 U 9,150 2.79 U	0.0233 L 0.0233 L 0.0233 L 6,620 3.52 L	J 0.0218 U 0.0218 U 0.0218 U 0.0218 U 7,950 J 5.35	0.0211 U 0.0211 U 0.0614 7,410 3.18 U	0.0211 U 0.0211 U 0.0211 U 6,420 3.24 U	0.0213 U 0.0213 U 0.0213 U 4,440 3.21 U
Total PCBs Inorganics (mg/kg) Alaminum Antimony Arsenic	~ ~ 13	~ 1 1 7 16	7,800 3.18 3.46	0.0325 U 0.0325 U 5,890 3.29 U 4.74	0.0522 0.0522 6,300 2.83 U 3.07	0.0196 U 0.0196 U 6,470 2.98 U 1.79 U	0.0209 U 0.0209 U 5,600 3.15 U 1.89 U	0.0201 U 0.0201 U 4,720 3.05 U 2.09	0.0191 U 0.0993 U 8,700 2.92 U 5.54	0.0195 U 0.0195 U 10,200 24.5 8.01	0.0188 U 0.0188 U 5,780 2.83 U 2.42	0.0184 U 0.0184 U 3,190 2.79 U 3.14	0.0191 U 0.0191 U 0.0191 U 2,600 2.88 U	0.0183 U 0.0183 U 0.0183 U 9,150 2.79 U 10.7	0.0233 L 0.0233 L 0.0233 L 6,620 3.52 L 12.3	J 0.0218 U 0.0218 U 0.0218 U 0.0218 U 7,950 J 5.35 11.4	0.0211 U 0.0211 U 0.0614 U 7,410 3.18 U 4.94	0.0211 L 0.0211 L 0.0211 L 6,420 3.24 L 6.61	0.0213 U 0.0213 U 0.0213 U 4,440 3.21 U 1.93 U
Total PCBs Inorganics (mg/kg) Aluminum Antimony Arsenic Barium	~ ~ 13 350	400	7,800 3.18 64.2	0.0325 U 0.0325 U 5,890 3.29 U 4.74 25.7	0.0522 0.0522 6,300 2.83 U 3.07 44.9	0.0198 U 0.0196 U 6,470 2.98 U 1.79 U 37.2	0.0209 U 0.0209 U 5,600 3.15 U 1.89 U 33.5	0.0201 U 0.0201 U 4,720 3.05 U 2.09 147	0.0191 U 0.0993 U 8,700 2.92 U 5.54 70	0.0195 U 0.0195 U 10,200 24.5 8.01 151	0.0188 U 0.0188 U 5,780 2.83 U 2.42 37.9	0.0184 U 0.0184 U 3,190 2.79 U 3.14 83.7	0.0191 U 0.0191 U 0.0191 U 2,600 2.88 U 18.8	0.0183 U 0.0183 U 0.0183 U 9,150 2.79 U 10.7 104	0.0233 L 0.0233 L 0.0233 L 6,620 3.52 L 12.3 303	J 0.0218 U 0	0.0211 U 0.0211 U 0.0814 U 7,410 3.18 U 4.94 414	0.0211 L 0.0211 L 0.0211 L 6,420 3.24 L 6.61 204	0.0213 U 0.0213 U 0.0213 U 4,440 3.21 U 1.93 U 47.3
Total PCBs Inorganies (mg/kg) Aluminum Antimony Arsenic Barium Codmium	~ ~ 13		0.0208 U 0.0208 U 7,800 3.18 U 3.46 64.2 0.381 U	0.0325 U 0.0325 U 5,890 3.29 U 4.74 25.7 0.394 U	0.0522 0.0522 6,300 2.83 U 3.07 44.9 0.34 U	0.0198 U 0.0198 U 6,470 2.98 U 1.79 U 37.2 0.357 U	0.0209 U 0.0209 U 5,600 3.15 U 1.89 U 33.5 0.378 U	4,720 3.05 U 2.09 147 0.386 U 0.0201 U 0	0.0191 U 0.0993 8,700 2.92 U 5.54 70 0.35 U	0.0195 U 0.0195 U 10,200 24.5 8.01 151 3.23	0.0188 U 0.0188 U 5,780 2.83 U 2.42 37.9 0.339 U	0.0184 U 0.0184 U 3,190 2.79 U 3.14 83.7 0.335 U	0.0191 U 0.0191 U 0.0191 U 2,600 2.88 U 18.8 178 3.79	0.0183 U 0.0183 U 0.0183 U 9,150 2.79 U 10.7 104 0.334 U	0.0233 U 0.0233 U 0.0233 U 6,620 3.52 U 12.3 303 0.423 U	7,950 5,35 11.4 411 0.858	7,410 3.18 4.94 1.52	0.0211 L 0.0211 L 0.0211 L 6,420 3.24 L 6.61 204 0.389 L	0.0213 U 0.0213 U 0.0213 U 4,440 3.21 U 1.93 U 47.3 0.385 U
Total PCRs Inorganics (mg/kg) Aluminum Antimory Arsenic Barium Cadnium Cadnium	~ ~ 13 350	400 4.3	7,800 3.18 U 3.46 64.2 0.381 U 2,500	5,890 3,29 U 4,74 25,7 0,394 U 3,980	0.0622 0.0622 6,300 2.83 U 3.07 44.9 0.34 U 49,400	6,470 2.98 U 1.79 U 37.2 0.357 U 1,760	0.0209 U 0.0209 U 5,600 3.15 U 1.89 U 33.5 0.378 U 1,920	4,720 3.05 U 2.09 147 0.386 U 1,510 U	8,700 2,92 U 5,54 70 0.35 U 39,000 B	0.0195 U 0.0195 U 10,200 24.5 8.01 151 3.23 9,600 B	0.0188 U 0.0188 U 5,780 2.83 U 2.42 37.9 0.339 U 3,220 B	3,190 2,79 U 3,14 83.7 0,335 U 5,070 B	0.0191 U 0.0191 U 0.0191 U 2.600 2.88 U 18.8 178 3.79 3.460 B	0.0183 U 0.0183 U 0.0183 U 9,150 2.79 U 10.7 104 0.334 U 4,410 B	0.0233 L 0.0233 L 0.0233 L 6,620 3.52 L 12.3 303 0.423 L 27,500 E	J 0.0218 U 0	0.0211 U 0.0211 U 0.0614 U 0.0	0.0211 L 0.0211 L 0.0211 L 6,420 3.24 L 6.61 204 0.389 L 21,100 E	0.0213 U 0.0213 U 0.0213 U 0.0213 U 4,440 3.21 U 1.93 U 47.3 0.395 U 2,790 B
Total PCBs Inorganies (mg/kg) Aluminum Antimory Artsenic Barium Cadrium Calcium Chromium, Hexavalent	~ ~ 13 350	400	7,800 3.18 U 3.46 64.2 0.381 U 2,500 0.636 U	5,890 3.29 U 4,74 26.7 0.394 U 3,990 0.657 U	0.0522 0.0522 6,300 2.83 U 3.07 44.9 0.34 U	0.0198 U 0.0198 U 6,470 2.98 U 1.79 U 37.2 0.357 U	0.0209 U 0.0209 U 5,600 3.15 U 1.89 U 33.5 0.378 U 1,920 0.63 U	4,720 3.06 U 2.09 147 0.386 U 1,510 B 0.611 U	0.0191 U 0.0993 8,700 2.92 U 5.54 70 0.35 U	0.0195 U 0.0195 U 10,200 24.5 8.01 151 3.23	0.0188 U 0.0188 U 5,780 2.83 U 2.42 37.9 0.339 U 3,220 B 0.566 U	3,190 2,79 U 3,14 83.7 0,335 U 5,070 B 0,558 U	0.0191 U 0.0191 U 0.0191 U 2,600 2,88 U 18.8 178 3,79 3,460 B 0.576 U	0.0183 U 0.0183 U 0.0183 U 9,150 2.79 U 10.7 104 0.334 U 4,410 B 0.657 U	0.0233 L 0.0233 L 0.0233 L 6,620 3.52 L 12.3 303 0.423 L 27,500 E 0.706 L	7,950 5,35 11.4 411 0.858	0.0211 U 0.0211 U 0.0814 U 0.0818 U 0.638 U 0.638 U 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0211 L 0.0211 L 0.0211 L 6,420 3.24 L 6.61 204 0.389 L 21,100 E 0.648 L	0.0213 U 0.0213 U 0.0213 U 4,440 3.21 U 1.93 U 47.3 0.385 U
Tota PCBs Imorganics (mg/kg) Alaminium Antimory Arsenic Barium Cadmium Cadmium Chromium, Hexavalent Chromium, Total	13 350 2.5 ~ 1	400 4.3 ~ 110 ~	7,800 3.18 4.2 0.381 2,500 0.636 U	5,890 3.29 U 4.74 25.7 0.394 U 3,990 0.657 U 23.7	0.0522 0.0522 6,300 2.83 U 3.07 44.9 0.34 U 49,400 3.35	0.0198 U 0.0196 U 6,470 2.98 U 1.79 U 37.2 0.357 U 1,760 0.595 U	0.0209 U 0.0209 U 5,600 3.15 U 1.89 U 33.5 0.378 U 1,920	4,720 3.05 U 2.09 147 0.386 U 1,510 U	0.0191 U 0.0993 8,700 2,92 U 5,54 70 0.35 U 39,000 B 0.584 U	0.0195 U 0.0195 U 10,200 24.5 8.01 151 3.23 9,500 B 0.591 U	0.0188 U 0.0188 U 5,780 2.83 U 2.42 37.9 0.339 U 3,220 B 0.566 U	0.0184 U 0.0184 U 3,190 2.79 U 3.14 83.7 0.335 U 5,070 B 0.558 U 7.76	0.0191 U 0.0191 U 0.0191 U 2,600 2,88 U 18.8 179 3,79 3,460 B 0,576 U 13.2	0.0183 U 0.0183 U 0.0183 U 9.150 2.79 U 10.7 104 0.334 U 4,410 B 0.557 U 22.4	0.0233 L 0.0233 L 0.0233 L 0.0233 L 6,620 3.52 L 12.3 303 0.423 L 27,500 E 0.705 L 39.3	7,950 5,35 11.4 411 411 412 417 417 417 417 418 419 419 419 419 419 419 419 419	0.0211 U 0.0211 U 0.0614 U 0.0614 U 0.0614 U 0.0614 U 0.0614 U 0.0614 U 0.0616 U 0.0	0.0211 L 0.0211 L 0.0211 L 6,420 3.24 L 6.61 204 0.389 L 21,100 E	0.0213 U 0.0213 U 0.0213 U 4,440 3.21 U 1.93 U 47.3 0.385 U 2,790 B 0.642 U
Total PCBs Inorganies (mg/kg) Aluminum Antimory Artsenic Barium Cadrium Calcium Chromium, Hexavalent	~ ~ 13 350	400 4.3	7,800 3.18 U 3.46 64.2 0.381 U 2,500 0.636 U	0.0325 U 0.0325 U 5,890 3.29 U 4,74 25.7 0.394 U 3,990 0.657 U 23.7 23.7	0.0522 0.0522 0.0522 6,300 2.83 U 3.07 44.9 0.34 U 49,400 3.35 35.6	6,470 2.98 U 1.79 U 37.2 0.357 U 1,760 0.595 U 62.3	0.0209 U 0.0209 U 5,600 3.15 U 1.89 U 33.5 0.378 U 1,920 0.63 U 129	4,720 4,720 3.06 2.09 147 0.386 U 1,510 B 0.811 U 23.1	0.0191 U 0.0993 8,700 2,92 U 5,54 70 0.35 U 39,000 B 0.584 U 36.1	0.0195 U 0.0195 U 10,200 24.5 8.01 151 3.23 9,500 B 0.591 U	0.0188 U 0.0188 U 5,780 2.83 U 2.42 37.9 0.339 U 3,220 B 0.566 U	3,190 2,79 U 3,14 83.7 0,335 U 5,070 B 0,558 U	0.0191 U 0.0191 U 0.0191 U 2,600 2,88 U 18.8 178 3,79 3,460 B 0.576 U	0.0183 U 0.0183 U 0.0183 U 9,150 2.79 U 10.7 104 0.334 U 4,410 B 0.657 U	0.0233 L 0.0233 L 0.0233 L 6,620 3.52 L 12.3 303 0.423 L 27,500 E 0.706 L	7,950 J 0,0218 U J 0,0218 U 7,950 5.35 11.4 411 J 0,858 B J 0,666 U	0.0211 U 0.0211 U 0.0814 U 0.0818 U 0.638 U 0.638 U 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0211 L 0.0211 L 0.0211 L 6,420 3.24 L 6.61 204 0.389 L 21,100 E 0.648 L	0.0213 U 0.0213 U 0.0213 U 4,440 3.21 U 1.93 U 47.3 0.385 U 2,790 B 0.642 U 18.6
Total PCBs Imorganics (mg/kg) Aluminium Astenico Astenico Barium Cadmium Cadmium Cladium Chromium, Hexavalent Chromium, Total Chromium, Total	13 350 2.5 ~ 1 ~ 30 ~	400 4.3 ~ 110 ~ 180 ~	7,800 3.18 43.46 64.2 0.381 0.636 U 43.5	5,890 3.29 U 4.74 25.7 0.394 U 3,990 0.657 U 23.7	0.0522 0.0522 0.0522 6,300 2.83 U 3.07 44.9 0.34 U 49,400 3.35 35.6 32.2	0.0198 U 0.0198 U 6,470 2.98 U 1.79 U 37.2 0.357 U 1,760 0.595 U 62.3	0.0209 U 0.0209 U 5,600 3.15 U 1.89 U 33.5 0.378 U 1,920 0.63 U 129 129	0.0201 U 0.0201 U 4,720 3.05 U 2.09 147 0.366 U 1,510 B 0.611 U 23.1	8,700 2.92 U 5.54 70 0.35 U 39,000 B 0.584 U 36.1	0.0195 U 0.0195 U 10,200 24.5 8.01 151 3.23 9,500 B 0.591 U 47.5	0.0188 U 0.0188 U 5,780 2.83 U 2.42 37.9 0.339 U 3,220 B 0.566 U 19.9	0.0184 U 0.0184 U 3,190 2.79 U 3,14 83.7 0.335 U 5,070 B 0.558 U 7.76 7.76	0.0191 U 0.0191 U 0.0191 U 2,600 2,88 U 178 3,79 3,460 B 0.576 U 13.2 13.2	0.0183 U 0.0183 U 0.0183 U 9,150 2.79 U 10.7 104 0.334 U 4,410 B 0.557 U 22.4	0.0233 L 0.0233 L 0.0233 L 0.0233 L 6,620 3.52 L 12.3 303 0.423 L 27,500 E 0.706 L 39.3 39.3	7,950 5,35 11,4 411 0,858 3,24,700 38.7	0.0211 U 0.0211 U 0.0614 U 0.0614 U 0.0614 U 0 0.0616 U 0.	0.0211 L 0.0211 L 0.0211 L 6,420 3.24 L 6,61 204 0.389 L 21,100 648 L 13.8 13.8	0.0213 U 0.0213 U 0.0213 U 4,440 3.21 U 1.93 U 47.3 U 47.3 U 1.93 U 1.93 U 1.93 U 1.93 U 1.93 U 1.94 U 1.95 U 1.96 U
Total PCBs [Inorganics (mg/kg) Aluminium Antimory Ansterio Bartum Calcium Calcium Chromium, Hexavalent Chromium, Total	13 350 2.5 1	400 4.3 ~ 110 ~	7,800 3.18 42,0381 2,500 0.636 U	0.0325 U 0.0325 U 0.0325 U 5.890 3.29 U 4.74 25.7 0.394 U 3.990 0.655 U 23.7 23.7 10.3	0.0522 0.0522 0.0522 6,300 2.83 U 3.07 44.9 0.34 U 49,400 3.35 35.6 32.2 8.81	0.0196 U 0.0196 U 0.0196 U 2.98 U 1.79 U 37.2 0.357 U 1,760 0.595 U 62.3 62.3 28.2	0.0209 U 0.0209 U 5,600 3.15 U 1.89 U 33.5 0.378 U 1,920 0.63 U 129 129 60.4	0.0201 U 0.0201 U 4,720 U 1 3.06 U 2.09 147 0.366 U 1,510 B 1 0,611 U 23.1 23.1 11.6	0.0191 U 0.0993 8,700 2.92 U 5.64 70 0.35 U 39,000 B 0.594 U 36.1 36.1 12.9	0.0195 U 0.0195 U 10,200 24.5 8.01 151 3.23 9.500 B 0.591 U 47.5 47.5	0.0188 U 0.0188 U 5,780 2.83 U 2.42 37.9 0.339 U 3,220 B 0.566 U 19.9 19.9 9.66	0.0184 U 0.0184 U 3,190 2.79 U 3.14 83.7 0.335 U 5,070 B 0.558 U 7.76 7.76 6.45	0.0191 U 0.0191 U 2,600 U 18.8 U 17.8 3.79 3,460 B 0.576 U 13.2 13.2 6.12	0.0183 U 0.0183 U 0.0183 U 9,150 2.79 U 10.7 104 0.334 U 4,410 B 0.557 U 22.4 22.4 10.7	0.0233 L 0.0233 L 0.0233 L 6,620 3.52 L 12.3 303 0.423 L 27,600 E 0,700 E 39.3 39.3 15	J 0.0218 U 0	0.0211 U 0.0614 U 0.0	0.0211 L 0.0211 L 0.0211 L 0.0211 L 6.420 3.24 L 6.61 204 0.389 L 21,100 E 0.648 L 13.8 13.8 7.81	0.0213 U 0.0213 U 0.0213 U 1 3.21 U 1.93 U 47.3 U 47.3 U 47.3 U 1.93 E 1.86 U 18.6 18.6 9.38
Total PCBs Inorganics (my/kg) Aluminum Antimory Arsenic Barium Cadmium Cadmium Cadmium Cadmium Chemium, Heavowlent Chemium, Total Chemium, Total Chemium, Trivalent Cobatt Copper	13 350 2.5 ~ 1 ~ 30 ~	400 4.3 ~ 110 ~ 180 ~	7,800 U 3.18 U 3.46 64.2 0.381 U 2.500 0.636 U 43.5 23.1 34.6 19,300 82.3	5,890 3,29 U 4,74 25,7 0,394 U 3,990 0,657 U 23,7 10,3 11,9 17,100 6,33	0.0522 0.0522 0.0522 6,300 2.83 U 3.07 44.9 0.34 U 49,400 3.35 35.6 32.2 8.81 24.5 13,100 24.6	0.0198 U 0.0198 U 6,470 2.98 U 1.79 U 37.2 0.357 U 1,760 0.595 U 62.3 28.2 17.6 21,500	5,600 3,15 U 1,89 U 33,5 0,378 U 1,920 0,63 U 129 60,4 17,2 35,100	0.0201 U 0.0201 U 4,720	0.0191 U 0.0993 U 8,700 2.92 U 5.54 70 0 0.35 U 39,000 B 0.594 U 36.1 12.9 46.7 14,200 95.7	0.0195 U 0.0195 U 10,200 24.5 8.01 151 3.23 9,500 B 0.591 U 47.5 47.5 19.5 44.6 24,000	0.0188 U 0.0188 U 5.780 2.42 37.9 0.339 U 3.220 B 0.566 U 19.9 19.9 19.9 9.65 28.7 8,760 48.5	0.0184 U 0.0184 U 3.190 2.79 U 3.14 83.7 0.335 U 5.070 B 0.558 U 7.76 7.76 6.45 33.9 6,400 40.2	0.0191 U 0.0191 U 0.0191 U 0.0191 U 0.0191 U 0.0191 U 0 0.0191 U 0 0.0191 U 0 0.0191 U 0 0.0191 U 0.01	0.0183 U 0.0183 U 0.0183 U 0.0183 U 9,150 2.79 U 10.7 104 0.334 U 4,410 B 0.557 U 22.4 10.7 32.9 13,300 258	0.0233 L 0.0233 L 0.0233 L 6.620 3.52 L 12.3 303 0.423 L 27,500 E 0.705 39.3 15 83.7 16,000 1,930	J 0.0218 U 0	0.0211 U 0.0211 U 0.0614 U 0.0616 U 0.0616 U 0.0636 U 0.0650 U 0.0650 U 0.0650 U 0.0	0.0211 L 0.0211 L 0.0211 L 6,420 3.24 L 6,61 204 0.389 L 21,100 E 0.648 L 13.8 7.81 38.6 15,500 416	0.0213 U 1.93 U 1.
Total PCBs Inorganics (mg/kg) Allumirum Allumirum Astronomy Barkam Cadolum Cadolum Chornium, Hexavalent Chromium, Hexavalent Chromium, Total Chromium, Total Chromium, Total Chromium, Total Chromium, Total Chromium, Total	~ 13 350 2.5 ~ 1 ~ 30 ~ 50 ~	400 4.3 ~ 110 ~ 180 ~ 270 ~	7,800 3.18 U 3.46 64.2 0.381 U 2,500 U 43.5 43.5 43.5 19,300	0.0325 U 0.0325 U 0.0325 U 5.890 3.29 U 4.74 25.7 0.394 U 3.990 0.657 U 23.7 10.3 11.9 17,100	0.0522 0.0522 0.0522 6,300 2.83 3.07 44,9 0.34 49,400 3.35 35.6 32.2 8.81 24.5 13,100 24.6 13,500	0.0196 U 0.0198 U 2.98 U 1.79 U 37.2 U 37.2 U 0.557 U 1.760 U 62.3 62.3 28.2 17.6 21,500	0.0209 U 0.0209 U 5,600 3.15 U 1.89 U 33.5 0.378 U 1,920 0.63 U 129 129 60.4 17.2	0.0201 U 0.0201 U 4,720 1 3.05 U 2.09 147 0.368 U 1,510 B 1 0.611 U 23.1 23.1 23.1 11.6 89.1	8,700 2,92 U 5,54 70 39,000 B 0,584 U 36.1 12.9 46.7 14,200	0.0195 U 0.0195 U 10,200 24.5 8.01 151 3.23 9,500 B 0.591 U 47.5 47.5 19.5 44.6 24,000	0.0188 U 0.0188 U 5,780 2.83 U 2.42 37.9 0.339 U 3,220 B 0.566 U 19.9 19.9 9.65 26.7 8,760	0.0184 U 0.0184 U 3,190 2,79 U 3,14 83.7 0.335 U 6,070 B 0.558 U 7,76 6,45 33.9 6,400	0.0191 U 0.0	0.0183 U 0.0183 U 0.0183 U 9,150 2.79 U 10.7 104 0.334 U 4,410 B 0.557 U 22.4 22.4 22.4 10.7 32.9 13.300	0.0233 L 0.0233 L 0.0233 L 6,620 3.52 L 12.3 303 0.422 L 27,500 E 0.7,500 E 39.3 39.3 15 83.7 16,000	J 0.0218 U 0.000	0.0211 U 0.0211 U 0.0614 U 0.0616 U 0.0	0.0211 L 0.0211 L 0.0211 L 6.420 3.24 L 6.61 204 0.389 L 13.8 13.8 13.8 7.81 38.6 15,500	0.0213 U 0.0213 U 0.0213 U 0.0213 U 4,440 3.21 U 1.93 U 47.3 0.385 U 2,780 B 0.842 U 18.6 18.6 9.38 23.4 11,400
Total PCIB Interparlice Imp/kg) Alumnum Alumnum Alumnum Barium Calcium Magnatium Magnatium Magnatium Magnatium	13 350 2.5 2.5 1 2 30 2 50 63 1,600	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000	0.0208 U 0.0	0.0325 U 0.0	0.0522 0.0522 6,300 2.83 3.07 44.9 0.34 49,400 3.35 35.6 32.2 8.81 24.5 13,100 24.6 13,500 197	0.0198 U 0.0198 U 0.0198 U 0.0198 U 0.0198 U 0 0.0198 U 0 0.0198 U	0.0209 U 0.0209 U 5.600 3.15 U 1.89 U 33.5 0.378 U 1.920 0.63 U 129 60.4 17.2 35,100 3 74,800 732	0.0201 U 0.0201 U 0.0201 U 0.0201 U 0.0201 U 0 0.0201 U 0 0.0201 U	0.0191 U 0.0983 8,700 2.92 U 5.54 70 0.35 U 38,000 B 0.584 U 38,01 12,00 9 46,7 14,200 95,7 12,800 234	0.0195 U 0.0195 U 10,200 24.5 8.01 151 3.23 9,500 B 0.591 U 47.5 19.5 44.6 24,000 123 8,730 313	0.0188 U 0.0188 U 5.780 2.83 U 2.42 37.9 0.339 U 3.220 B 0.566 U 19.9 19.9 9.65 26.7 8.760 48.5 2.870 119	0.0184 U 0.0184 U 3.190 2.79 U 3.14 83.7 0.335 U 5.070 B 0.558 U 7.76 8.45 400 400 400 400 70 70	0.0191 U 0.0	0.0183 U 0.0183 U 0.0183 U 0.0183 U 0.0183 U 0.0183 U 0.0182 U 0.0	0.0233 L 0.0233 L 0.0233 L 6.620 3.52 L 12.3 303 0.423 L 27,500 E 0.705 L 39.3 15 83.7 16,000 1,930 5,570 250	J 0.0218 U J 7.950 J 5.35 11.4 411 J 0.858 3 24,700 8 0.866 U 38.7 18.4 118 21,800 2.530 9,460 312	0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0814 U 3.18 U 4.94 414 1.52 11,800 B 0.636 U 28.3 7.24 65.1 11,000 942 3,070 148	0.0211 L 0.0211 L 0.0211 L 6.420 3.24 L 6.61 204 0.389 L 21,100 E 0.648 L 13.8 7.81 38.6 15.500 416 3.240 228	0.0213 U 0.0
Total PCBs Inorganics (mp/kg) Aluminum Antimory Antimory Antimory Cadmium Calcium Chromium, Hexavelent Chromium, Total Chromium, Total Chromium, Total Lead Magnesium Lead Lead Magnesium	7 13 350 2.5 1 20 30 50 63 63 1,600 0.18	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000 0.81	7,800 U U 7,800 U U 3.48 U 3.46 6.42 U 2.500 U U U U 2.500 U U U 3.46 6.42 U 3.45 43.5 43.5 43.5 43.5 19,300 82.3 13,500	0.0325 U 0.0325 U 0.0325 U 0.0325 U 0 0.0325 U 0 0.0325 U 0 0.057 U 0.	0.0522 0.0522 6.300 2.83 3.07 44.9 0.34 49.400 3.95 35.6 32.2 8.81 24.5 13.100 24.6 13.500 197 0.0489	0.0198 U 0.0198 U 0.0198 U 0.0198 U 0.0198 U 0.0198 U 1.78 U 1.78 U 1.760 U 0.595 U 0.23 28.2 17.6 21.500 13.4 27.400 405 0.0357 U 0.0198 U 0.0357 U 0.00198 U 0.001	0.0209 U 5,000 3.15 U 1.89 U 33.5 0.378 U 1,920 0.63 U 129 60.4 17.2 35,100 3 74,800 732 0.0378 U	0.0201 U 0.0201 U 4,720 3.06 U 2.09 147 0.966 U 1,510 B 0.611 U 23.1 23.1 11.6 89.1 19,200 329 5,970	8,700 2,92 U 5,54 70 0,35 U 38,000 B 0,584 U 38,1 38,1 12,9 48,7 14,200 95,7 12,800	0.0195 U 0.0195 U 10,200 24.5 8.01 151 323 9.500 B 0.591 U 47.5 19.5 19.5 19.5 24,000 123 8,730	0.0188 U 0.0188 U 0.0188 U 5.780 2.83 U 2.42 37.9 0.339 U 3.220 B 0.566 U 19.9 19.9 9.65 26.7 8,780 48.5 2,870 119 0.302	0.0184 U 0.0	0.0191 U 0.0191 U 0.0191 U 0.0191 U 0.0191 U 0.0191 U 0 0.0191 U 0 0.0191 U 0 0.0191 U 0 0.0191 U 0.01	0.0183 U 0.0183 U 0.0183 U 0.183 U 9.150 2.79 U 107 104 0.334 U 4.410 B 0.557 U 22.4 10.7 32.9 13.300 258 3,990	0.0233 L 0.0233 L 0.0233 L 0.0233 L 6.520 L 12.3 3 0.423 L 27,500 E 0.7500 E 15 83,7 15 83,7	J 0.0218 U 0	7,410 2.18 U 414 1.52 11,900 B 0.636 U 28.3 28.3 28.3 28.3 11,000 842 3,070	0.0211 L 0.0211 L 0.0211 L 6.420 3.24 L 6.61 204 0.389 L 13.8 13.8 7.81 38.6 15.500 416 3.240 228	0.0213 U 1.02 U 1.
Total PCBs Interganics Imprigal) Alluminum Alluminum Alluminum Barkim Barkim Cadelum Cadelum Chromium, Hexavalent Chromium, Hexavalent Chromium, Total Chomium, Total Chomium, Lotal Chomium, Hexavalent Chromium, Hexavalent Lead Margerelum Marrury Marrury Nickel	13 350 2.5 2.5 1 2 30 2 50 63 1,600	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000	0.0208 U 0.0	0.0225 U 0.0	0.0522 0.0522 6,300 2.83 3.07 44.9 0.34 49,400 3.35 35.6 32.2 8.81 24.5 13,100 24.6 13,500 24.6 13,500 24.9 74.4	0.0198 U 0.0198 U 0.0198 U 0.0198 U 0.0198 U 0 0.0198 U	0.0209 U 0.0209 U 5.600 3.15 U 1.89 U 3.3.5 0.378 U 1.920 0.63 U 129 129 60.4 17.2 35,100 3 74,800 732 U 1,800 U 1,800 U	0.0201 U 4,720 3.05 U 2.09 147 0.386 U 1,510 B 0,611 U 23.1 11.6 88.1 11,200 329 5,970 348 0.234 122	0.0191 U 0.0993 B,700 2.92 U 5.54 U 38,000 B 0.594 U 36.1 12.9 46.7 14,200 95.7 12,800 234 0.166 146	0.0195 U 0.0195 U 10,200 24.5 8.01 151 3.23 9,500 B 0.591 U 47.5 47.5 19.5 44.6 24,000 123 8,730 313 0.243 222	0.0188 U 0.0188 U 5.780 2.83 U 2.42 37.9 0.339 U 3.220 B 0.566 U 19.9 19.9 9.85 28.7 8,700 48.5 2,870 119 0.302 100	0.0184 U 0.0184 U 3.190 2.79 U 3.14 83.7 0.335 U 5.070 B 0.558 U 7.76 6.45 33.9 6.400 40.2 1.150 70 0.0648 23.1	0.0191 U 0.0	0.0183 U 0.0182 U 0.0	0.0233 L 0.0233 L 0.0233 L 0.0233 L 0.0233 L 0.0233 L 0.0235 L 1.52 L	J 0.0218 U J 0.0218 U J J 0.0218 U J 0.0218	0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0814 U 4.94 414 1.52 11,800 B 0.636 U 28.3 7.24 65.1 11,000 942 3,070 148 0.613 60.7	0.0211 L 0.0211 L 0.0211 L 6.420 3.24 L 6.61 204 0.389 21,100 E 0.848 13.8 7.81 38.6 15,500 446 3.240 228	0.0213 U 0.0
Total PCBs Inorganisa Impalga Alumnum Alammum Alammum Alammum Alammim Calcium Maranina Maranina Chromium, Total Chromium, Total Chromium, Total Chromium Maranina Maranina Maranina Maranina	7 360 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.7 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000 0.81 310	0.0208 U 0.0208 U 7.000 3.18 U 3.48 U 3.48 U 2.500 U 43.5 44.5 23.1 U 34.6 1 39.500 82.3 1 39.500 6274 309 1.090	0.0325 U 5.890 3.29 U 4.74 25.7 0.394 U 3.990 0.6677 U 23.7 10.3 17,100 6.33 9,160 208 0.0394 U 113 1,520	0.0522 0.0522 6.300 2.83 3.07 44.9 0.34 49.400 3.95 35.6 32.2 8.81 24.5 13.100 24.6 13.500 197 0.0489 74.4 904	0.0198 U 0.0198 U 0.0198 U 0.0198 U 1.79 U 1.79 U 37.2 0.367 U 1.760 0.595 U 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3	0.0209 U 0.0209 U 5,600 3.15 U 1.89 U 33.5 0.378 U 1,920 0.63 U 129 60.4 17.2 35,100 3 74,800 732 0.0378 U 1,660 1,530	0.0201 U 4,720 3.06 U 2.09 147 0.366 U 1.510 B 0.611 U 23.1 18.61 18.200 32.9 5.970 348 0.234 122 567	0.0191 U 0.0993 B,700 2.92 U 5.54 U 38,000 B 0.594 U 38.1 12.9 46.7 14,200 95.7 12,800 234 0.166 146 976	0.0195 U 0.0195 U 10.200 24.5 8.01 151 323 9.500 B 0.591 U 47.5 19.5 47.5 19.5 44.6 24,000 123 8,730 313 0.243 222 970	0.0188 U 0.0188 U 0.0188 U 5.790 2.83 U 2.42 37.9 0.339 U 3.220 B 0.566 U 19.9 19.9 9.85 26.7 8,790 48.5 2,8770 119 0.302 100 647	0.0184 U 0.0184 U 0.0184 U 0.0184 U 0.0184 U 0.0184 U 2.79 U 3.14 83.7 0.335 U 5.070 B 0.558 U 7.76 6.45 33.9 6.400 40.2 1,150 70 0.0648 23.1 342	0.0191 U 0.0191 U 0.0191 U 0.0191 U 0.0191 U 0.0191 U 0 0.0191 U 0 0.0191 U 0 0.0191 U 0.0191	0.0183 U 0.0	0.0233 L 0.0233 L 0.0233 L 6,620 C 3.52 L 12.3 303 0.422 L 27,500 E 0.705 L 39.3 15 83.7 18,000 1,930 L 250 1,980 148 148 148 148 148 148 148 148 148 148	J 0.0218 U J 0.022 U J 0.0	0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0614 U 0.0614 U 0.0614 1 1.52 11.800 B 0.650 U 223 2 U 223 2 U 224 (65.1 11.000 B42 0.613 60.7 1,210	0.0211 L 0.0211 L 0.0211 L 6.420 3.24 L 6.61 204 0.339 L 1.100 E 1.100	0.0213 U 0.0
Total PCBs Inorganies (mp/kg) Alumrum Astronomy Astronomy Barkon Cadelum Cadelum Colonium, Iotal Chromium, Hexavalent Chromium, Hexavalent Chromium, Iotal Polessium Selection Narquesea Narquesea Narquesea Polessium Selectium	7 13 350 2.5 1 20 30 50 63 63 1,600 0.18	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 0.81 310 ~ 180	0.0208 U 0.0	0.0325 U 0.0325 U 5.890 1.890 4.74 2.5.7 0.394 U 3.990 0.657 U 23.7 10.3 11.9 17,100 6.33 9,160 208 0.0394 U 113 1,520 3.29 U	0.05222 0.05222 0.05222 6.300 2.83 3.07 44.9 0.34 49,400 3.35 35.6 32.2 8.81 24.5 13,100 24.6 13,500 197 0.0489 74.4 904 2.83 U	0.0198 U 0.0	0.0209 U 0.0209 U 5,600 3.15 U 1.89 U 3.3.5 0.378 U 1.920 0.63 U 129 129 60.4 17.2 35,100 3 74,800 732 U 1,600 1,530 U 1,630 3.15 U	0.0201 U 4,720 3.05 U 2.09 147 0.388 U 1,510 B 0.611 U 23.1 11.6 89.1 19,200 329 5,970 348 0.234 122 567 3.05 U	0.0191 U 0.0993 8,700 2,92 U 5,54 70 0.35 U 39,000 B 0.594 U 36.1 12.9 46.7 14,200 95.7 12,800 234 0.166 146 976 2,92 U	0.0195 U 0.0195 U 10.200 24.5 8.01 161 3.23 9.500 B 47.5 19.5 19.5 44.6 24,000 123 8,730 313 0.243 222 970 2.95 U	0.0188 U 0.0188 U 0.0188 U 0.0188 U 1.000000000000000000000000000000000000	0.0184 U 0.0	0.0191 U 0.0	0.0183 U 0.0183 U 0.0183 U 0.0183 U 0.0183 U 0.0182 U 0.0	0.0233 L 0.0233 L 0.0233 L 0.0233 L 0.0233 L 0.0233 L 0.0235 L 1.52 L	J 0.0218 U J 7,950 S 5.35 J 6.35 J	0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0314 U 0.0314 U 1.0211 U 0.0314 1 1.52 U 1.52	0.0211 L 0.0211 L 0.0211 L 6.420 3.24 L 6.61 204 0.389 21,100 E 13.8 13.8 7.81 38.6 15,500 416 3.240 228 1.25 47.9 845 3.24 L	0.0213 U 0.0
Total PCIBs Inorganiss Imp/kg) Alumnum Adminory Barium Calcium Calcium, Manualent Calcium, Manualent Conomium, Total Otromium, Trivident Cobat Copper Inord Magnesium	7 360 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.7 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 ~ 2,000 0.81 310	0.0208 U 0.0208 U 0.0208 U 0.0208 U 0 0.0208 U 0 0.0208 U 0 0.0208 U 0.0381 U 0.0381 U 0.0586	0.0025 U 5.890 3.29 U 4.74 25.7 0.394 U 3.990 0.667 U 23.7 10.3 11.9 17.00 6.2 9.160 0.0394 U 1.520 0.0394 U 1.520 0.0394 U 0.057 U 0.057 U 0.057 U 0.057 U 0.057 U 0.057 U	0.0522 0.0522 0.0522 0.0522 0.0522 0.0522 0.300 2.83 U 3.07 44.9 0.34 U 49.400 3.36 35.0 24.5 11.000 1	0.0198 U 0.0198 U 0.0198 U 0.0198 U 1.79 U 1.79 U 37.2 0.367 U 1.760 0.596 U 0.596 U 22.3 0.22 28.2 28.2 217.6 21.800 1.74 d 27.400 0.0595 U 1.910 2.98 U 0.596 U	0.0209 U 0.0	0.0201 U 4,720 3.05 U 2.09 147 0.366 U 1,510 B 0,611 U 23.1 11.6 B 99.10 23.1 11.6 B 99.10 23.1 12.2 B 99.10 23.1 12.2 B 99.10 23.1 12.3 B 99.10 23.1 12.3 B 99.10 23.1 12.3 B 99.10 23.1 13.3 B 99.10 23.1 14.6 B 99.10 23.1 15.6 B 99.10 23.1 10 23.1 23.1 10 23.1 1	0.0191 U 0.0993 U 8,700 2,92 U 5.54 70 0.35 U 38,000 B 0.584 U 38.1 12.9 46.9 12.800 2.24 0.166 146 976 2.92 U 0.584 U 0.584 U	0.0195 U 0.0195 U 10,200 24.5 8.01 151 3.23 9.500 47.5 19.6 44.8 24.00 24.00 3.13 0.243 270 2.95 0.591 U 0.591 U 0.591 U 0.591 U 0.591 U 0.591 U 0.591	0.0188 U 0.0188 U 0.0188 U 0.0188 U 2.01 2.83 U 2.42 37.9 0.339 U 3.220 B 0.566 U 19.9 9.657 2.870 119.9 0.302 100 647 2.83 U 0.566 U	0.0184 U 0.0084 U 0.0	0.0191 U 0.0191 U 0.0191 U 0.0191 U 0.0191 U 0.0191 U 0 0.0191 U 0.0191	0.0183 U 0.0	0.0233	J 0.0218 U J 0.0218	0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0514 U 2.18 U 4.94 414 1.52 11.800 B 0.636 U 2.23 2.23 2.24 65.1 11.000 S42 3.070 148 0.021 1.1800 B 0.021 1.1800 B 0.021 1.1800 B 0.021 1.180 B 0.021	0.0211 L 0.0211 L 0.0211 L 6.420 3.24 L 6.61 204 L 0.339 L 13.8 3 7.81 7.81 7.81 7.81 7.81 7.81 7.81 7.81	0.0213 U 0.021 U 0.02
Total PCBs Intrograntes (mg/kg) Alumnum Alumnum Alumnum Barium Barium Coderium Chromium, Heasowlent Chromium, Total Solden	7 360 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.7 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 0.81 310 ~ 180	0.0208 U 0.0208 U 0.0208 U 0.0208 U 0.0208 U 0 0.0208 U 0 0.0208 U	0.0325 U 0.0325 U 0.0325 U 0.0325 U 0.0325 U 0 0.0325 U 0 0.0325 U 0 0.0325 U 0.057 U 196	0.05222 0.05222 0.05222 0.05222 0.05222 0.05222 0.0522 0.0522 0.053 0.055 0.	0.0198 U 0.0198 U 0.0198 U 0.0198 U 2.98 U 1.79 U 37.2 U 37.2 U 0.357 U 1.0505 U 62.3 28.2 17.6 6 23.2 22.2 17.6 6 21.500 13.4 27.400 0 0.007.7 U 1.910 2.98 U 0.595 U	0.02099 U 0.02090 U 5,000 3.15 U 3.3.15 U 3.3.78 U 1.89 U 1.89 1	4,720 U 4,720 U 3.06 U 2.09 147 U 5.0611 U 221 11.6 89.1 19.200 329 5.970 348 U 6.611 U 7.00 15.00 U 7.00 U	8,700 2,92 U 5,54 705 S 9,005 U 9,055 U 9,055 U 9,055 U 12,90 14,200 95,7 12,200 146 146 176 2,92 U 0,584 U 46,7	0.0195 U 10.200 24.5 8.01 151 3.32 8.500 B 47.5 47.5 19.5 44.6 24,000 123 313 322 272 295 U 0.591 U	0.0188 U 0.0188 U 0.0188 U 0.0188 U 1.000000000000000000000000000000000000	0.0184 U 0.0	0.0191 U 0.0	0.0183 U 0.0	0.0233	J 0.0218 U J 0.0218 J 0.0218 J 0.0218 J 0.0218 J 0.028 J 0.028 U J 0.	0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0314 U 0.0314 15.2 11.800 B 0.636 U 28.3 28.3 7.24 65.1 11.000 S42 0.031	0.0211 L 0.0211 L 0.0211 L 6.420 3.24 L 6.420 0.389 L 1.100 0.648 L 13.8 13.8 13.8 13.8 13.8 13.8 13.8 14.8 L 15.500 416 15.200 416	0.0213 U 0.0
Total PCBs Interparlics (my/kg) Alumnum Alumnum Alumnum Alumnum Alumnum Calcium Calciu		400 4.3 - 110 - 180 - 200 180 180 - 200 - 200 180 180 - 200 - 200 180 - 200 180 - 200 180 180 180 - 200 180 180 180 180 180 180 180 180 180 1	0.0208 U 0.0208 U 0.0208 U 0.0208 U 0 0.0208 U 0 0.0208 U 0 0.0208 U 0 0.0208 U 0.0381 U 0.0508 U 0.05	0.0325 U 0.057 U 0.055 U	0.0522 0.0522 0.0522 6.300 2.83 3.07 44.9 0.34 49,400 3.35 35.6 32.2 8.81 13,100 14,500 11,97 10,9	0.0198 U 0.0198 U 0.0198 U 0.0198 U 1.78 U 1.78 U 0.72 U 0.72 U 0.72 U 0.75 U 0.595 U 62.3 2 1.76 U 1.75 U 2.75 U 0.595 U 62.3 2 2.75 U 1.75 U 0.595 U 62.3 2 2.9	0.0209 U 0.0	4,720 3,06 U 2,09 0,0201 U 4,720 3,06 U 2,09 0,366 U 1,510 B 0,611 U 2,31 11,1 1 12,20 3,29 5,970 348 0,234 1122 807 305 U 0,011 U	0.0191 U 0.0993 U 0.0993 U 0.0993 U 0.0993 U 0.0993 U 0.584 U 38.1 36.1 129 46.7 14.200 9.7 12.204 0.166 146 9.76 0.992 U 0.294 4.23 30.2 U 0.0993	0.0195 U 10,200 24.5 8.01 161 3.23 9.500 47.5 19.5 47.8 19.5 47.8 19.5 3.13 0.243 222 970 0.591 U 0.593	0.0188 U 0.0188 U 0.0188 U 0.0188 U 1.000000000000000000000000000000000000	0.0184 U 0.0	0.0191 U 0.0191 U 0.0191 U 0.0191 U 0.0191 U 0.0191 U 0 0.0191 U 0 0.0191 U 0 0.0191 U 0 0.0191 U 0.01	0.0183 U 0.0	0.0233 t 0.023 t 0.023 t 0.023 t 0.023 t 0.023 t 0.023 t 0.0422 t 0.0423 t	J 00218 U 0 0218 U 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0514 U 2.18 U 4.94 4.14 1.52 11.800 B 0.636 U 28.3 22.3 22.34 25.4 (65.1 11.000 942 3.070 148 0.613 0.636 U 0.6	0.0211 L 0.0211 L 0.0211 L 6.420 3.24 L 0.389 L 21,100 E 13.8 L 13.8 L 13.8 L 13.8 L 13.8 L 13.8 L 14.5 L 228 L 12.5 L 24.1 L 25.6 L 25	0.0213 U 0.0215 U 0.0
Total PCBs Impragatiss Imprigal Alumnum Alamnum Alamnum Alamnum Calcium Margaresa Chromium, Total Chromium, Total Chromium, Total Chromium Margaresa Margaresium Margaresium Naciel Naciel Potassium Salenium Salenium Salenium Salenium Salenium Salenium Salenium Salenium Vanadium Vanadium Vanadium Vanadium	7 360 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.7 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	400 4.3 ~ 110 ~ 180 ~ 270 ~ 400 0.81 310 ~ 180	0.0208 U 0.0208 U 0.0208 U 0.0208 U 0.0208 U 0 0.0208 U 0 0.0208 U	0.0325 U 0.0325 U 0.0325 U 0.0325 U 0.0325 U 0 0.0325 U 0 0.0325 U 0 0.0325 U 0.057 U 196	0.05222 0.05222 0.05222 0.05222 0.05222 0.05222 0.0522 0.0522 0.053 0.055 0.	0.0198 U 0.0198 U 0.0198 U 0.0198 U 2.98 U 1.79 U 37.2 U 37.2 U 0.357 U 1.0505 U 62.3 28.2 17.6 6 23.2 22.2 17.6 6 21.500 13.4 27.400 0 0.007.7 U 1.910 2.98 U 0.595 U	0.02099 U 0.02090 U 5,000 3.15 U 3.3.15 U 3.3.78 U 1.89 U 1.89 1	4,720 U 4,720 U 3.06 U 2.09 147 U 5.0611 U 221 11.6 89.1 19.200 329 5.970 348 U 6.611 U 7.00 15.00 U 7.00 U	8,700 2,92 U 5,54 705 S 9,005 U 9,055 U 9,055 U 9,055 U 12,90 14,200 95,7 12,200 146 146 176 2,92 U 0,584 U 46,7	0.0195 U 10.200 24.5 8.01 151 151 3.32 8.500 B 0.759 47.5 19.5 47.5 19.5 44.6 24,000 123 313 322 272 295 U 0.591 U	0.0188 U 0.0188 U 0.0188 U 0.0188 U 1.000000000000000000000000000000000000	0.0184 U 0.0	0.0191 U 0.0	0.0183 U 0.0	0.0233	J 0.0218 U J 0.0218 J 0.0218 J 0.0218 J 0.0218 J 0.028 J 0.028 U J 0.	0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0314 U 0.0314 15.2 11.800 B 0.636 U 28.3 28.3 7.24 65.1 11.000 S42 0.031	0.0211 L 0.0211 L 0.0211 L 6.420 3.24 L 6.420 0.389 L 1.100 0.648 L 13.8 13.8 13.8 13.8 13.8 13.8 13.8 14.8 L 15.500 416 15.200 416	0.0213 U 0.0
Total PCBs Interparise Interparise Ausmitum Ausmitum Ausmitum Barium Cadrinium Cadrinium Controllium, Hexavalent Chromium, Total Chromium, Trivalent Codelt Ausmitum Interparise Interpari		400 4.3 - 110 - 180 - 200 180 180 - 200 - 200 180 180 - 200 - 200 180 - 200 180 - 200 180 180 180 - 200 180 180 180 180 180 180 180 180 180 1	0.0208 U 0.0208 U 0.0208 U 0.0208 U 0 0.0208 U 0 0.0208 U 0 0.0208 U 0 0.0208 U 0.0381 U 0.0508 U 0.05	0.0325 U 0.057 U 0.055 U	0.0522 0.0522 0.0522 6.300 2.83 3.07 44.9 0.34 49,400 3.35 35.6 32.2 8.81 13,100 14,500 11,97 10,9	0.0198 U 0.0198 U 0.0198 U 0.0198 U 1.78 U 1.78 U 0.72 U 0.72 U 0.72 U 0.75 U 0.595 U 62.3 2 1.76 U 1.75 U 2.75 U 0.595 U 62.3 2 2.75 U 1.75 U 0.595 U 62.3 2 2.9.2 U 1.75 U 0.595 U 0.0357 U 1.91 U 0.595 U 0.174 U 2.3 U	0.0209 U 0.0	4,720 3,06 U 2,09 0,0201 U 4,720 3,06 U 2,09 0,366 U 1,510 B 0,611 U 2,31 11,1 1 12,20 3,29 5,970 348 0,234 1122 807 305 U 0,011 U	0.0191 U 0.0993 U 0.0993 U 0.0993 U 0.0993 U 0.0993 U 0.584 U 38.1 36.1 129 46.7 14.200 9.7 12.204 0.166 146 9.76 0.592 U 0.594 U 0.0993 U	0.0195 U 10,200 24.5 8.01 161 3.23 9.500 47.5 19.5 47.8 19.5 47.8 19.5 3.13 0.243 222 970 0.591 U 0.593	0.0188 U 0.0188 U 0.0188 U 0.0188 U 1.000000000000000000000000000000000000	0.0184 U 0.0	0.0191 U 0.0191 U 0.0191 U 0.0191 U 0.0191 U 0.0191 U 0 0.0191 U 0 0.0191 U 0 0.0191 U 0 0.0191 U 0.01	0.0183 U 0.0	0.0233 t 0.023 t 0.023 t 0.023 t 0.023 t 0.023 t 0.023 t 0.0422 t 0.0423 t	J 00218 U 0 0218 U 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0211 U 0.0514 U 2.18 U 4.94 4.14 1.52 11.800 B 0.636 U 28.3 22.3 22.34 25.4 (65.1 11.000 942 3.070 148 0.613 0.636 U 0.6	0.0211 L 0.0211 L 0.0211 L 6.420 3.24 L 0.389 L 21,100 E 13.8 L 13.8 L 13.8 L 13.8 L 13.8 L 13.8 L 14.5 L 228 L 12.5 L 24.1 L 25.6 L 25	0.0213 U 0.0215 U 0.0

Table 1 Soil Sample Analytical Results Summary

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Notes:

- 1. 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 and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
- 2. 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).
- 3. Only detected analytes are shown in the table.
- Detected analytical results above Unrestricted Use SCOs are bolded.
- 5. Detected analytical results above Restricted Use Restricted-Residential SCOs are shaded.
- 6. Analytical results with reporting limits (RL) above the lowest applicable criteria are italicized.
 7. Sample SODUP01_042920 is a duplicate sample of SB04_0-2; sample SODUP02_050420 is a duplicate sample of SB13_5-7; sample SODUP03_050620 is a duplicate sample of SB13_5-7; sample SD13_5-7; sample SD13_5-7; sample SD13_5-7; sample SD SB14_6-8; and sample SODUP04_052220 is a duplicate sample of SB108_7-9.5.
 8. \sim = Regulatory limit for this analyte does not exist
- 9. bgs = below grade surface
- 10. mg/kg = milligrams per kilogram 11. % = percent 12. NA = Not analyzed

- 13. ND = Not detected

- D = The concentration reported is a result of a diluted sample
- J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL. B = The analyte was found in the associated analysis batch blank.
- P = The relative percent difference (RPD) between the results for the two columns exceeds the method-specified criteria.

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Location	SB01	SB01	SB01	SB02	SB02	SB02	SB03	SB03	SB03	SB04	SB04	SB04	SB04
Sample ID	SB01_0-2	SB01_6-8	SB01_18-20	SB02_0-2	SB02_6-8	SB02_18-20	SB03_0-2	SB03_6-8	SB03_18-20	SB04_0-2	SODUP01_042920	SB04_14-16	SB04_18-20
Laboratory ID	20E0108-01	20E0108-02	20E0108-03	20E0108-04	20E0108-05	20E0108-06	20E0108-07	20E0108-08	20E0108-09	20D0818-01	20D0818-12	20D0818-03	20D0818-04
Sample Date	5/5/2020	5/5/2020	5/5/2020	5/5/2020	5/5/2020	5/5/2020	5/5/2020	5/5/2020	5/5/2020	4/29/2020	4/29/2020	4/29/2020	4/29/2020
Sample Depth (feet bgs)	0 - 2	6 - 8	18 - 20	0 - 2	6 - 8	18 - 20	0 - 2	6 - 8	18 - 20	0 - 2	0 - 2	14 - 16	18 - 20
Semivolatile Organic Compounds (mg/kg)													
1,4-Dioxane (P-Dioxane)	0.00971 U	0.00971 U	0.0098 U	0.0098 U	0.00971 U	0.0099 U	0.0099 U	0.0098 U	0.0098 U	0.00971 U	0.00943 U	0.00952 U	0.0098 U
Per and Polyfluoroalkyl Substances (mg/kg)													
N-ethyl perfluorooctane- sulfonamidoacetic acid (NEtFOSAA)	0.000121 U	0.000131 U	0.000115 U	0.000119 U	0.000106 U	0.000148 U	0.000113 U	0.000111 U	0.000104 U	0.000114 J	0.000114 U	0.00011 U	0.000176 U
N-methyl perfluorooctane- sulfonamidoacetic acid (NMeFOSAA)	0.000121 U	0.000132 U	0.000115 U	0.000119 U	0.000106 U	0.000149 U	0.000113 U	0.000111 U	0.000104 U	0.000109 U	0.000115 U	0.00011 U	0.000176 U
Perfluorobutanesulfonic Acid (PFBS)	0.000407 U	0.000441 U	0.000387 U	0.000399 U	0.000356 U	0.000498 U	0.000379 U	0.000372 U	0.000349 U	0.000365 U	0.000384 U	0.000369 U	0.00059 U
Perfluorobutanoic acid (PFBA)	0.000212 U	0.000283 J	0.000202 U	0.000208 U	0.000186 U	0.00026 U	0.000735	0.000194 U	0.000182 U	0.00128	0.00112	0.000214 J	0.000591 J
Perfluorodecanesulfonic acid (PFDS)	0.0000595 U	0.0000645 U	0.0000566 U	0.0000584 U	0.000052 U	0.0000728 U	0.0000554 U	0.0000544 U	0.0000511 U	0.0000745 J	0.0000562 U	0.000054 U	0.0000864 U
Perfluorodecanoic acid (PFDA)	0.000109 J	0.0000645 U	0.0000566 U	0.000078 J	0.000052 U	0.0000728 U	0.0000554 U	0.0000544 U	0.0000511 U	0.000153 J	0.000182 J	0.000054 U	0.0000864 U
Perfluorododecanoic Acid (PFDoA)	0.0000871 U	0.0000945 U	0.0000829 U	0.0000856 U	0.0000762 U	0.000107 U	0.0000812 U	0.0000797 U	0.0000748 U	0.000125 J	0.0000824 U	0.0000791 U	0.000126 U
Perfluoroheptanesulfonic acid (PFHpS)	0.0000573 U	0.0000621 U	0.0000545 U	0.0000563 U	0.0000501 U	0.0000701 U	0.0000534 U	0.0000524 U	0.0000492 U	0.0000514 U	0.0000542 U	0.000052 U	0.0000831 U
Perfluoroheptanoic acid (PFHpA)	0.0000615 J	0.0000573 U	0.0000503 U	0.0000631 J	0.0000462 U	0.0000647 U	0.0000493 U	0.0000483 U	0.0000454 U	0.0002 J	0.000181 J	0.000119 J	0.000232 J
Perfluorohexanesulfonic Acid (PFHxS)	0.000036 U	0.0000391 U	0.0000343 U	0.0000354 U	0.0000315 U	0.0000441 U	0.0000336 U	0.0000329 U	0.0000309 U	0.0000323 U	0.0000341 U	0.0000327 U	0.0000523 U
Perfluorohexanoic Acid (PFHxA)	0.0000818 J	0.0000831 U	0.0000729 U	0.0000848 J	0.000067 U	0.0000937 U	0.0000872 J	0.00007 U	0.0000658 U	0.000148 J	0.000427 J	0.0000849 J	0.000197 J
Perfluorononanoic Acid (PFNA)	0.0000761 J	0.0000754 U	0.0000661 U	0.0000682 U	0.0000608 U	0.0000851 U	0.0000648 U	0.0000635 U	0.0000597 U	0.000145 J	0.000115 J	0.0000631 U	0.000101 U
Perfluorooctanesulfonamide (FOSA)	0.0000543 U	0.0000589 U	0.0000516 U	0.0000533 U	0.0000475 U	0.0000664 U	0.0000506 U	0.0000496 U	0.0000466 U	0.0000487 U	0.0000845 J	0.0000492 U	0.0000788 U
Perfluorooctanesulfonic acid (PFOS)	0.00185	0.0000552 U	0.0000484 U	0.000565 J	0.0000445 U	0.0000623 U	0.00213	0.0000472 J	0.0000437 U	0.00248	0.00215	0.0000462 U	0.0000739 U
Perfluorooctanoic Acid (PFOA)	0.000467 J	0.000124 J	0.000107 J	0.000188 J	0.0000785 U	0.000191 J	0.000173 J	0.000287 J	0.000077 U	0.000311 J	0.000274 J	0.000104 J	0.00034 J
Perfluoropentanoic Acid (PFPeA)	0.000107 U	0.000116 U	0.000102 U	0.000105 U	0.0000934 U	0.000131 U	0.0000995 U	0.0000976 U	0.0000917 U	0.000118 J	0.000198 J	0.0000969 U	0.000155 U
Perfluorotetradecanoic Acid (PFTA)	0.0000868 U	0.0000941 U	0.0000826 U	0.0000852 U	0.0000759 U	0.000106 U	0.0000809 U	0.0000793 U	0.0000745 U	0.0000856 J	0.000111 J	0.0000788 U	0.000126 U
Perfluorotridecanoic Acid (PFTrDA)	0.0000505 U	0.0000548 U	0.0000481 U	0.0000496 U	0.0000442 U	0.0000619 U	0.0000471 U	0.0000462 U	0.0000434 U	0.0000869 J	0.0000478 U	0.0000459 U	0.0000734 U
Perfluoroundecanoic Acid (PFUnA)	0.000135 U	0.000147 U	0.000129 U	0.000133 U	0.000118 U	0.000165 U	0.000126 U	0.000124 U	0.000116 U	0.000183 J	0.000149 J	0.000123 U	0.000196 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	0.0000297 U	0.0000323 U	0.0000283 U	0.0000292 U	0.000026 U	0.0000364 U	0.0000277 U	0.0000272 U	0.0000255 U	0.0000308 J	0.0000281 U	0.000027 U	0.0000432 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	0.0000767 U	0.0000832 U	0.000073 U	0.0000753 U	0.0000671 U	0.0000939 U	0.0000715 U	0.0000701 U	0.0000659 U	0.0000688 U	0.0000725 U	0.0000696 U	0.000111 U
Total PFOA and PFOS	0.00232	0.000124	0.000107	0.000753	ND	0.000191	0.0023	0.000334	ND	0.00279	0.00242	0.000104	0.00034

Notes provided on Page 5.

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Location	SB05		SB05		SB05		SB06		SB06	SB06		SB07		SB07		SB07		SB08		SB08		SB08		SB09	
Sample ID	SB05_0-2		SB05_6-8		SB05_18-20		SB06_0-2		SB06_5-7	SB06_12-14	ш	SB07_0-2		SB07_8-10		SB07_18-20		SB08_0-2		SB08_4-6		SB08_13-15		SB09_0-2	4
Laboratory ID	20D0776-04		20D0776-05		20D0776-06		20D0818-05		20D0818-06	20D0818-07	ш	20D0818-09		20D0818-10		20D0818-11		20D0776-07		20D0776-08		20D0776-09		20D0776-0	4
Sample Date	4/28/2020		4/28/2020		4/28/2020		4/29/2020		4/29/2020	4/29/2020	ш	4/29/2020		4/29/2020		4/29/2020		4/28/2020		4/28/2020		4/28/2020		4/28/2020	
Sample Depth (feet bgs)	0 - 2		6 - 8		18 - 20		0 - 2		5 - 7	12 - 14	ш	0 - 2		8 - 10		18 - 20		0 - 2		4 - 6		13 - 15		0 - 2	
Semivolatile Organic Compounds (mg/kg)																									
1,4-Dioxane (P-Dioxane)	0.0098	U	0.00962		0.00971	U	0.0099	U	0.00971 U	0.00935 U	_	0.00971	٥	0.0099	U	0.00935	U	0.0099	U	0.0099	U	0.00952	U	0.00971	U
Per and Polyfluoroalkyl Substances (mg/kg)																									
N-ethyl perfluorooctane- sulfonamidoacetic acid (NEtFOSAA)	0.000109	U	0.000113	U	0.000107	U	0.000112	U	0.000123 U	0.00011 U		0.000112	U	0.000115	U	0.000131	U	0.000107	U	0.000105	U	0.000147	U	0.000107	U
N-methyl perfluorooctane- sulfonamidoacetic acid (NMeFOSAA)	0.000109	U	0.000114	U	0.000107	U	0.000112	U	0.000123 U	0.00011 U		0.000112	U	0.000115	U	0.000131	U	0.000107	U	0.000105	U	0.000147	U	0.000107	U
Perfluorobutanesulfonic Acid (PFBS)	0.000366	U	0.000381	U	0.000358	U	0.000377	U	0.000412 U	0.00037 U		0.000377	U	0.000386	U	0.000441	U	0.00036	U	0.000353	U	0.000493	U	0.000358	U
Perfluorobutanoic acid (PFBA)	0.000191	U	0.000199	U	0.000187	U	0.000197	J	0.000215 U	0.000193 U		0.000264	J	0.000202	U	0.00023	U	0.000188	U	0.000184	U	0.000257	U	0.000187	U
Perfluorodecanesulfonic acid (PFDS)	0.0000556	J	0.0000557	U	0.0000524	U	0.000101	J	0.0000603 U	0.0000541 U		0.0000652	J	0.0000565	U	0.0000645	U	0.0000527	U	0.0000517	U	0.0000721	U	0.0000524	U
Perfluorodecanoic acid (PFDA)	0.000179	J	0.0000557	U	0.0000524	U	0.000434	J	0.0000603 U	0.0000541 U		0.000172	J	0.0000565	U	0.0000645	U	0.0000527	U	0.0000517	U	0.0000721	U	0.0000524	U
Perfluorododecanoic Acid (PFDoA)	0.0000873	J	0.0000816	U	0.0000767	U	0.000111	J	0.0000883 U	0.0000793 U		0.0000903	J	0.0000827	U	0.0000945	U	0.0000772	U	0.0000757	U	0.000106	U	0.0000767	U
Perfluoroheptanesulfonic acid (PFHpS)	0.0000516	U	0.0000536	U	0.0000504	U	0.000053	U	0.000058 U	0.0000521 U		0.0000531	U	0.0000544	U	0.0000621	U	0.0000508	U	0.0000498	U	0.0000694	U	0.0000504	U
Perfluoroheptanoic acid (PFHpA)	0.0000863	J	0.0000495	U	0.0000465	U	0.0000962	J	0.000101 J	0.0000682 J		0.000157	J	0.000136	J	0.000138	J	0.0000468	U	0.0000459	U	0.0000641	U	0.0000465	U
Perfluorohexanesulfonic Acid (PFHxS)	0.0000411	J	0.0000337	U	0.0000317	U	0.0000334	U	0.0000365 U	0.0000328 U		0.0000334	U	0.0000342	U	0.000039	U	0.0000319	U	0.0000313	U	0.0000436	U	0.0000317	U
Perfluorohexanoic Acid (PFHxA)	0.000165	J	0.0000717	U	0.0000674	U	0.000108	J	0.0000845 J	0.0000864 J		0.000268	J	0.0000994	J	0.000123	J	0.0000679	U	0.0000665	U	0.0000928	U	0.0000674	U
Perfluorononanoic Acid (PFNA)	0.0000952	J	0.0000651	U	0.0000611	U	0.0000643	U	0.0000704 U	0.0000632 U		0.0000644	U	0.000066	U	0.0000753	U	0.0000616	U	0.0000604	U	0.0000842	U	0.0000611	U
Perfluorooctanesulfonamide (FOSA)	0.0000541	J	0.0000508	U	0.0000477	U	0.000125	J	0.000055 U	0.0000494 U		0.0000503	U	0.0000515	U	0.0000588	U	0.0000481	U	0.0000471	U	0.0000657	U	0.0000478	U
Perfluorooctanesulfonic acid (PFOS)	0.0053		0.000213	J	0.0000448	U	0.000468	J	0.000207 J	0.0000463 U		0.00168		0.0000483	U	0.0000552	U	0.0000563	J	0.000193	J	0.000162	J	0.0000448	U
Perfluorooctanoic Acid (PFOA)	0.000372	J	0.000136	J	0.0000871	J	0.0000935	J	0.000118 J	0.000181 J		0.000148	J	0.0000851	U	0.000152	J	0.0001	J	0.0000779	U	0.000109	U	0.000131	J
Perfluoropentanoic Acid (PFPeA)	0.000369	J	0.0001	U	0.000094	U	0.0000989	U	0.000108 U	0.0000972 U		0.000155	J	0.000101	U	0.000116	U	0.0000946	U	0.0000928	U	0.000129	U	0.000211	J
Perfluorotetradecanoic Acid (PFTA)	0.0000782	U	0.0000813	U	0.0000764	U	0.0000804	U	0.0000879 U	0.000079 U		0.0000804	U	0.0000824	U	0.0000941	U	0.0000769	U	0.0000754	U	0.000105	U	0.0000764	U
Perfluorotridecanoic Acid (PFTrDA)	0.0000689	J	0.0000473	U	0.0000445	U	0.0000468	U	0.0000512 U	0.000046 U		0.0000468	U	0.000048	U	0.0000548	U	0.0000448	U	0.0000439	U	0.0000612	U	0.0000445	U
Perfluoroundecanoic Acid (PFUnA)	0.000126	J	0.000127	U	0.000119	U	0.000381	J	0.000137 U	0.000123 U	1	0.000125	U	0.000128	U	0.000146	U	0.00012	U	0.000117	U	0.000164	U	0.000119	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	0.0000268	U	0.0000279	U	0.0000262	U	0.0000629	J	0.0000301 U	0.0000271 U	1	0.0000276	U	0.0000282	U	0.0000322	U	0.0000264	U	0.0000258	U	0.000036	U	0.0000262	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	0.0000691	U	0.0000718	U	0.0000675	U	0.000071	U	0.0000777 U	0.0000698 U	4	0.0000711	U	0.0000728	U	0.0000831	U	0.000068	U	0.0000666	U	0.0000929	U	0.0000675	U
Total PFOA and PFOS	0.00567		0.000349		0.0000871		0.000562		0.000325	0.000181		0.00183		ND		0.000152		0.000156		0.000193		0.000162		0.000131	

Notes provided on Page 5.

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Location	SB09	SB09	SB10	SB10	SB10	SB11	SB11	SB11	SB12	SB12	SB12	SB13	SB13
Sample ID	SB09_4-6	SB09_13-15	SB10_0-2	SB10_6-8	SB10_18-20	SB11_0-2	SB11_10-12	SB11_14-16	SB12_0-2	SB12_8-10	SB12_18-20	SB13_0-2	SB13_5-7
Laboratory ID	20D0776-02	20D0776-03	20E0134-01	20E0134-02	20E0134-03	20D0849-07	20D0849-08	20D0849-09	20D0849-04	20D0849-05	20D0849-06	20E0055-04	20E0055-05
Sample Date	4/28/2020	4/28/2020	5/6/2020	5/6/2020	5/6/2020	4/30/2020	4/30/2020	4/30/2020	4/30/2020	4/30/2020	4/30/2020	5/4/2020	5/4/2020
Sample Depth (feet bgs)	4 - 6	13 - 15	0 - 2	6 - 8	18 - 20	0 - 2	10 - 12	18 - 20	0 - 2	8 - 10	18 - 20	0 - 2	5 - 7
Semivolatile Organic Compounds (mg/kg)													
1,4-Dioxane (P-Dioxane)	0.00952 U	0.00935 U	0.00962 U	0.0099 U	0.00935 U	0.00952 U	0.00962 U	0.0098 U	0.00962 U	0.00943 U	0.00971 U	0.0098 U	0.00971 U
Per and Polyfluoroalkyl Substances (mg/kg)													
N-ethyl perfluorooctane- sulfonamidoacetic acid (NEtFOSAA)	0.000102 U	0.000114 U	0.00011 U	0.000105 U	0.000104 U	0.000107 U	0.000139 U	0.000114 U	0.000106 U	0.000115 U	0.00011 U	0.000115 U	0.000116 U
N-methyl perfluorooctane- sulfonamidoacetic acid (NMeFOSAA)	0.000102 U	0.000114 U	0.00011 U	0.000105 U	0.000105 U	0.000107 U	0.000139 U	0.000114 U	0.000106 U	0.000115 U	0.000111 U	0.000115 U	0.000116 U
Perfluorobutanesulfonic Acid (PFBS)	0.000344 U	0.000383 U	0.000369 U	0.000353 U	0.000351 U	0.00036 U	0.000467 U	0.000383 U	0.000355 U	0.000385 U	0.00037 U	0.000385 U	0.00039 U
Perfluorobutanoic acid (PFBA)	0.000179 U	0.0002 U	0.000193 U	0.000185 U	0.000183 U	0.000188 U	0.000244 U	0.0002 U	0.000185 U	0.000201 U	0.000193 U	0.000201 U	0.000227 J
Perfluorodecanesulfonic acid (PFDS)	0.0000503 U	0.000056 U	0.000054 U	0.0000517 U	0.0000513 U	0.0000527 U	0.0000684 U	0.000056 U	0.0000519 U	0.0000563 U	0.0000542 U	0.0000564 U	0.0000571 U
Perfluorodecanoic acid (PFDA)	0.0000503 U	0.000056 U	0.000054 U	0.0000517 U	0.0000513 U	0.0000527 U	0.0000684 U	0.000056 U	0.0000519 U	0.0000563 U	0.0000542 U	0.0000564 U	0.0000571 U
Perfluorododecanoic Acid (PFDoA)	0.0000736 U	0.000082 U	0.0000792 U	0.0000757 U	0.0000752 U	0.0000772 U	0.0001 U	0.000082 U	0.000076 U	0.0000825 U	0.0000794 U	0.0000826 U	0.0000836 U
Perfluoroheptanesulfonic acid (PFHpS)	0.0000484 U	0.0000539 U	0.000052 U	0.0000498 U	0.0000494 U	0.0000507 U	0.0000658 U	0.0000539 U	0.00005 U	0.0000542 U	0.0000522 U	0.0000543 U	0.000055 U
Perfluoroheptanoic acid (PFHpA)	0.0000447 U	0.0000497 U	0.000048 U	0.0000459 U	0.0000456 U	0.0000468 U	0.0000608 U	0.0000497 U	0.0000461 U	0.00005 U	0.0000482 U	0.00014 J	0.0000507 U
Perfluorohexanesulfonic Acid (PFHxS)	0.0000304 U	0.0000339 U	0.0000327 U	0.0000313 U	0.0000311 U	0.0000319 U	0.0000414 U	0.0000339 U	0.0000314 U	0.0000341 U	0.0000328 U	0.0000341 U	0.0000346 U
Perfluorohexanoic Acid (PFHxA)	0.0000647 U	0.000072 U	0.0000696 U	0.0000665 U	0.000066 U	0.0000678 U	0.000088 U	0.000072 U	0.0000668 U	0.0000725 U	0.0000698 U	0.000241 J	0.0000735 U
Perfluorononanoic Acid (PFNA)	0.0000587 U	0.0000654 U	0.0000631 U	0.0000604 U	0.0000599 U	0.0000615 U	0.0000798 U	0.0000654 U	0.0000606 U	0.0000658 U	0.0000633 U	0.0000659 U	0.0000667 U
Perfluorooctanesulfonamide (FOSA)	0.0000458 U	0.000051 U	0.0000493 U	0.0000472 U	0.0000468 U	0.0000481 U	0.0000624 U	0.0000511 U	0.0000473 U	0.0000514 U	0.0000494 U	0.0000514 U	0.0000521 U
Perfluorooctanesulfonic acid (PFOS)	0.000043 U	0.0000479 U	0.000468 J	0.0000442 U	0.0000439 U	0.0000451 U	0.0000585 U	0.0000479 U	0.000292 J	0.0000482 U	0.0000464 U	0.0000482 U	0.0000488 U
Perfluorooctanoic Acid (PFOA)	0.00014 J	0.000401 J	0.0000878 J	0.000078 U	0.0000774 U	0.0000795 U	0.000113 J	0.0000844 U	0.000166 J	0.0000849 U	0.0000894 J	0.00134	0.0000861 U
Perfluoropentanoic Acid (PFPeA)	0.0000902 U	0.0001 U	0.000097 U	0.00012 J	0.0000921 U	0.0000946 U	0.000123 U	0.0001 U	0.000111 J	0.000101 U	0.0000973 U	0.000218 J	0.000102 U
Perfluorotetradecanoic Acid (PFTA)	0.0000733 U	0.0000817 U	0.0000789 U	0.0000754 U	0.0000749 U	0.0000769 U	0.0000997 U	0.0000817 U	0.0000757 U	0.0000822 U	0.0000791 U	0.0000823 U	0.0000833 U
Perfluorotridecanoic Acid (PFTrDA)	0.0000427 U	0.0000475 U	0.0000459 U	0.0000439 U	0.0000436 U	0.0000448 U	0.0000581 U	0.0000476 U	0.0000441 U	0.0000478 U	0.000046 U	0.0000479 U	0.0000485 U
Perfluoroundecanoic Acid (PFUnA)	0.000114 U	0.000127 U	0.000123 U	0.000117 U	0.000117 U	0.00012 U	0.000155 U	0.000127 U	0.000118 U	0.000128 U	0.000123 U	0.000128 U	0.00013 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	0.0000251 U	0.000028 U	0.0000346 J	0.0000259 U	0.0000257 U	0.0000263 U	0.0000342 U	0.000028 U	0.000026 U	0.0000282 U	0.0000271 U	0.0000282 U	0.0000285 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	0.0000648 U	0.0000721 U	0.0000697 U	0.0000667 U	0.0000661 U	0.0000679 U	0.0000881 U	0.0000722 U	0.0000669 U	0.0000726 U	0.0000699 U	0.0000727 U	0.0000736 U
Total PFOA and PFOS	0.00014	0.000401	0.000556	ND	ND	ND	0.000113	ND	0.000458	ND	0.0000894	0.00134	ND

Notes provided on Page 5.

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Location	SB13		SB13		SB14		SB14		SB14		SB14		SB15	SB15		SB15		SB16		SB16		SB16	
Sample ID	SODUP02_050	420	SB13_18-20		SB14_0-2		SB14_6-8		SODUP03_050	620	SB14_18-20)	SB15_0-2	SB15_5-7		SB15_18-20		SB16_0-2		SB16_14-16		SB16_18-20	ó
Laboratory ID	20E0055-07		20E0055-06		20E0134-04		20E0134-05		20E0134-07		20E0134-06	3	20E0055-01	20E0055-02		20E0055-03		20D0849-01		20D0849-02		20D0849-03	à
Sample Date	5/4/2020		5/4/2020		5/6/2020		5/6/2020		5/6/2020		5/6/2020		5/4/2020	5/4/2020		5/4/2020		4/30/2020		4/30/2020		4/30/2020	
Sample Depth (feet bgs)	5 - 7		18 - 20		0 - 2		6 - 8		6 - 8		18 - 20		0 - 2	5 - 7		18 - 20		0 - 2		14 - 16		18 - 20	
Semivolatile Organic Compounds (mg/kg)																							
1,4-Dioxane (P-Dioxane)	0.0099	U	0.00935	U	0.00935	U	0.00935	C	0.00935	U	0.00962	С	0.00962 L	0.0099	U	0.0098	٥	0.00971	U	0.0099	U	0.00952	U
Per and Polyfluoroalkyl Substances (mg/kg)	•																						
N-ethyl perfluorooctane- sulfonamidoacetic acid (NEtFOSAA)	0.000112	U	0.000147	U	0.000116	U	0.000116	U	0.000124	U	0.000116	U	0.000198 J	0.000129	U	0.000128	U	0.000104	U	0.000111	U	0.000133	U
N-methyl perfluorooctane- sulfonamidoacetic acid (NMeFOSAA)	0.000112	U	0.000147	U	0.000116	U	0.000116	U	0.000124	U	0.000116	U	0.000112 L	0.000129	U	0.000128	U	0.000105	U	0.000111	U	0.000133	U
Perfluorobutanesulfonic Acid (PFBS)	0.000375	U	0.000494	U	0.00039	U	0.00039	U	0.000417	U	0.000389	U	0.000375 L	0.000432	U	0.000431	U	0.00035	U	0.000372	U	0.000446	U
Perfluorobutanoic acid (PFBA)	0.000196	U	0.00143		0.000204	U	0.000204	U	0.000709		0.000203	U	0.000196 L	0.000226	U	0.000241	J	0.000185	J	0.000194	U	0.000233	U
Perfluorodecanesulfonic acid (PFDS)	0.0000549	U	0.0000723	U	0.000057	U	0.0000571	U	0.000061	U	0.0000569	U	0.0000548 L	0.0000633	U	0.000063	U	0.0000513	U	0.0000544	U	0.0000653	U
Perfluorodecanoic acid (PFDA)	0.0000549	U	0.0000723	U	0.000057	U	0.0000571	U	0.000061	U	0.0000569	U	0.0000853	0.0000633	U	0.000063	U	0.0000606	J	0.0000544	U	0.0000653	U
Perfluorododecanoic Acid (PFDoA)	0.0000804	U	0.000106	U	0.0000836	U	0.0000836	U	0.0000894	U	0.0000834	U	0.0000803 L	0.0000927	U	0.0000923	U	0.0000751	U	0.0000797	U	0.0000957	U
Perfluoroheptanesulfonic acid (PFHpS)	0.0000528	U	0.0000696	U	0.0000549	U	0.000055	U	0.0000588	U	0.0000548	U	0.0000528 L	0.0000609	U	0.0000607	U	0.0000494	U	0.0000524	U	0.0000629	U
Perfluoroheptanoic acid (PFHpA)	0.0000834	J	0.0000706	J	0.0000942	J	0.0000943	J	0.000107	J	0.0000806	J	0.0000487 L	0.0000562	U	0.000056	U	0.0000456	U	0.0000484	U	0.000058	U
Perfluorohexanesulfonic Acid (PFHxS)	0.0000332	U	0.0000438	U	0.0000345	U	0.0000346	U	0.0000369	U	0.0000495	J	0.0000332 L	0.0000383	U	0.0000382	U	0.000031	U	0.0000329	U	0.0000395	U
Perfluorohexanoic Acid (PFHxA)	0.0000802	J	0.000108	J	0.0000749	J	0.0000735	U	0.0000965	J	0.0000733	U	0.0000706 L	0.0000814	U	0.0000811	U	0.000066	U	0.00007	U	0.0000841	U
Perfluorononanoic Acid (PFNA)	0.0000641	U	0.0000844	U	0.0000876	J	0.0000667	U	0.0000713	U	0.0000665	U	0.0000641 L	0.0000739	U	0.0000736	U	0.0000599	U	0.0000635	U	0.0000763	U
Perfluorooctanesulfonamide (FOSA)	0.0000501	U	0.0000833	J	0.000052	U	0.0000521	U	0.0000557	U	0.0000519	U	0.00005 L	0.0000577	U	0.0000575	U	0.0000522	J	0.0000496	U	0.0000596	U
Perfluorooctanesulfonic acid (PFOS)	0.0000469	U	0.0000619	U	0.000483	J	0.0000488	U	0.0000522	U	0.0000487	U	0.00108	0.0000541	U	0.0000539	U	0.000393	J	0.0000465	U	0.0000559	U
Perfluorooctanoic Acid (PFOA)	0.0000827	U	0.000109	U	0.00052	J	0.000228	J	0.000269	J	0.0000863	J	0.000248	0.00011	J	0.000095	U	0.000313	J	0.000082	U	0.000165	J
Perfluoropentanoic Acid (PFPeA)	0.0000985	U	0.00013	U	0.000116	J	0.000102	U	0.00011	U	0.000102	U	0.0000984 L	0.000114	U	0.000113	U	0.000092	U	0.0000977	U	0.000117	U
Perfluorotetradecanoic Acid (PFTA)	0.0000801	U	0.000105	U	0.0000832	U	0.0000833	U	0.000089	U	0.0000831	U	0.00008 L	0.0000923	U	0.0000919	U	0.0000748	U	0.0000794	U	0.0000953	U
Perfluorotridecanoic Acid (PFTrDA)	0.0000466	U	0.0000614	U	0.0000485	U	0.0000485	U	0.0000518	U	0.0000484	U	0.0000466 L	0.0000537	U	0.0000535	U	0.0000435	U	0.0000462	U	0.0000555	U
Perfluoroundecanoic Acid (PFUnA)	0.000125	U	0.000164	U	0.00013	U	0.00013	U	0.000139	U	0.000129	U	0.000125 L	0.000144	U	0.000143	U	0.000116	U	0.000124	U	0.000148	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	0.0000274	U	0.0000498	J	0.0000285	U	0.0000285	U	0.0000305	U	0.0000285	U	0.0000274 L	0.0000316	U	0.0000315	U	0.0000256	U	0.0000272	U	0.0000327	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	0.0000707	U	0.0000932	U	0.0000735	U	0.0000736	U	0.0000787	U	0.0000734	U	0.0000707 L	0.0000815	U	0.0000812	U	0.0000661	U	0.0000701	U	0.0000842	U
Total PFOA and PFOS	ND		ND		0.001		0.000228		0.000269		0.0000863		0.00133	0.00011		ND		0.000706		ND		0.000165	

Notes provided on Page 5. 4 of 5

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

- Notes:

 1. Sample SODUP01_042920 is a duplicate sample of SB04_0-2; sample SODUP02_050420 is a duplicate sample of SB13_5-7; and sample SODUP03_050620 is a duplicate sample of SB14_6-8.

 2. mg/kg = milligrams per kiogram

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 3 Groundwater Sample Analytical Results Summary

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Location		MW01	MW02	MW05	MW06	MW08	MW08	MW10	MW11	MW13	MW16
Sample ID	NYSDEC	MW01_050720 20E0198-02	MW02_050720 20E0198-03	MW05_043020 20D0850-13	MW06_043020	MW08_043020 20D0850-12	GWDUP01_043020 20D0850-14	MW10_050720 20E0198-04	MW11_051120 20E0279-02	MW13_051120 20E0279-01	MW16_050720 20E0198-01
Laboratory ID Sample Date	SGVs	5/7/2020	5/7/2020	4/30/2020	20D0850-11 4/30/2020	4/30/2020	4/30/2020	5/7/2020	5/11/2020	5/11/2020	5/7/2020
Volatile Organic Compounds (µg/L)		5///2020	5///2020	4/30/2020	4/30/2020	4/30/2020	4/30/2020	3/1/2020	5/11/2020	5/11/2020	3///2020
1,2,3-Trichlorobenzene	5	1.41	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acetone	50	1.13 J	1 U	1.01 J	3.86	1 U		1 U	1 U	1 U	1 U
Chloroform	7	0.2 U	0.2 U	0.2 U	0.2 U	0.57	0.58	0.2 U	0.2 U	0.2 U	0.2 U
Methyl Ethyl Ketone (2-Butanone)	50	0.2 U	0.2 U	0.2 U	1.63	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
Tert-Butyl Methyl Ether	10	0.2 U	0.2 U	1.23	1.24	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	5	0.2 U	0.2 U	0.2 U	0.2 U	0.51	0.46 J	0.2 U	0.2 U	0.2 U	0.2 U
Semivolatile Organic Compounds (µg	g/L)					•					
2-Methylnaphthalene	~	4.03 J	2.78 U	2.7 U	2.78 U	2.7 U	2.7 U	2.56 U	2.56 U	2.78 U	2.78 U
Acenaphthene	20	3.56	0.0556 U	0.0541 U	0.0556 U	0.0541 U	0.0541 U	0.0513 U	0.0513 U	0.0556 U	0.0556 U
Acenaphthylene	~	0.314	0.0556 U	0.0541 U	0.0556 U	0.0541 U	0.0541 U	0.0513 U	0.0513 U	0.0556 U	0.0556 U
Anthracene	50	0.843	0.0556 U	0.0541 U	0.0556 U	0.0541 U		0.0513 U	0.0513 U	0.0556 U	0.0556 U
Benzo(a)Anthracene	0.002	0.0649	<i>0.0556</i> U	0.0541 U	0.0556 U	0.0541 U		0.0513 U	<i>0.0513</i> U	<i>0.0556</i> U	<i>0.0556</i> U
Bis(2-Ethylhexyl) Phthalate	5	0.541 U	0.556 U	0.541 U	1.27	0.541 U		0.513 U	1.41	0.878	0.556 U
Chrysene	0.002	0.0757	0.0556 U	0.0541 U	0.0556 U	0.0541 U		0.0513 U	0.0513 U	0.0556 U	0.0556 U
Dibenzofuran	~	3.18 J	2.78 U	2.7 U	2.78 U	2.7 U		2.56 U	2.56 U	2.78 U	2.78 U
Fluoranthene	50	1.2	0.0889	0.0541 U	0.0556 U	0.0541 U		0.0513 U	0.0513 U	0.0556 U	0.0556 U
Fluorene	50 10	4.46	0.0556 U	0.0541 U	0.0556 U	0.0541 U		0.0513 U	0.0513 U	0.0556 U 0.0556 U	0.0556 U
Naphthalene Phenanthrene	10 50	7.65 D 4.36	0.0556 U	0.0541 U 0.0541 U	0.0556 U 0.0556 U	0.0541 U 0.0541 U		0.0513 U 0.0513 U	0.0513 U 0.0513 U	0.0556 U 0.0556 U	0.0556 U 0.0556 U
Pyrene	50	0.519	0.0556 U 0.0556	0.0541 U	0.0556 U 0.0556 U	0.0541 U		0.0513 U 0.0513 U	0.0513 U 0.0821	0.0556 U	0.0667
Pesticides (µg/L)	~	0.519 ND	0.0350 ND	ND 0.0541	0.0550 0 ND	ND	ND ND	0.0513 0	0.0821 ND	0.0330 0 ND	0.0007 ND
Herbicides (µg/L)		NA NA	NA NA	ND ND	ND ND	ND ND	ND ND	NA NA	NA NA	NA NA	NA NA
Polychlorinated Biphenyls (µg/L)	~	ND	ND ND	ND	ND	ND ND	ND ND	ND ND	ND	ND	ND ND
Inorganics (µg/L)							· · · · · · · ·				
Aluminum	~	1,360	3,440	270	55.6 U	3,250	99.6	3,990	88.2	110	177
Aluminum (Dissolved)	~	55.6 U	55.6 U	55.6 U	55.6 U	55.6 U	55.6 U	56.5	55.6 U	55.6 U	55.6 U
Antimony	3	1.11 U	1.89	1.11 U	1.11 U	1.63	1.66	1.11 U	1.11 U	1.11 U	1.11 U
Antimony (Dissolved)	3	1.11 U	1.11 U	1.11 U	1.11 U	1.57	1.51	1.15	1.11 U	1.11 U	1.11 U
Arsenic	25	6	9.99	12.5	1.68	22.2	21.1	5.02	1.11 U	1.11 U	1.11 U
Arsenic (Dissolved)	25	6.25	3.45	11.7	1.71	20.7	20.2	4.09	1.11 U	1.69	1.11 U
Barium	1,000	176	217	343	198	136	87.9	84	37.3	105	27.8 U
Barium (Dissolved)	1,000	179	175	307	194	83.6	82.6	45.1	41.4	102	27.8 U
Calcium	~	92,300	87,600	146,000	102,000	76,600	68,600	15,500	33,700	61,200	15,900
Calcium (Dissolved)	~	96,800	86,800	138,000	99,100	65,100	64,400 5.56 U	15,300	37,100	63,800 5.56 U	15,900
Chromium, Total	50	5.56 U 10 U	13.4 13.4	5.56 U 10 U	5.56 U 10 U	13.6 13.6	5.56 U 10 U	10.9 10.9	5.56 U 10 U	5.56 U 10 U	5.56 U 10 U
Chromium, Trivalent Cobalt	~	4.44 U	6.22	4.73	4.44 U	4.44 U		5.09	4.44 U	4.44 U	4.44 U
Copper	200	22.2 U	41.3	22.2 U	22.2 U	22.2 U		27	22.2 U	22.2 U	22.2 U
Cyanide	200	10 U	10 U	10 U	10 U	10 U		24	10 U	10 U	10 U
Iron	300	36,100	16,700	6,770	11,400	4,940	278 U	6,890	684	5,540	278 U
Iron (Dissolved)	300	35,400	10,100	5,510	11,000	278 U		498	602	5,030	278 U
Lead	25	5.56 U	53.9	5.56 U	5.56 U	184	19.1	12.9	5.56 U	5.56 U	5.56 U
Lead (Dissolved)	25	5.56 U	5.56 U	5.56 U	5.56 U	6.88	5.56 U	5.56 U	5.56 U	5.56 U	5.56 U
Magnesium	35,000	16,600	13,500	34,500	19,200	15,500	12,900	4,200	7,510	26,200	2,040
Magnesium (Dissolved)	35,000	17,800	11,900	31,700	18,500	12,500	12,300	2,830	8,290	25,400	1,990
Manganese	300	1,510	738	2,900	1,730	151	5.63	334	497	1,520	18
Manganese (Dissolved)	300	1,400	692	2,700	1,700	36.3	40.9	293	544	1,420	34.8
Mercury	0.7	0.26	0.2 U	0.2 U	0.2 U	0.2 U	1 1	0.2 U	0.2 U	0.32	0.2 U
Mercury (Dissolved)	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2844	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	11.7	38.7	11.1 U	11.1 U	69.7	11.1 U	33.2	11.1 U	11.1 U	11.1 U
Nickel (Dissolved)	100	11.1 U	11.1 U	11.1 U	11.1 U	12.1	12.3	11.1 U	11.1 U	11.1 U	11.1 U
Potassium	~	10,400	9,260	14,700	9,530	12,300	11,500	5,940	4,170	7,380	3,150
Potassium (Dissolved)	~	10,900	8,750	14,400 B	9,480 B	11,800 B	'	4,810	4,460 B	7,300 B	3,240
Selenium	10	1.11 U	1.3	1.11 U	1.11 U	2.72	1.77	1.11 U	1.11 U	1.11 U	1.11 U
Selenium (Dissolved)	10	1.11 U	1.11 U	1.12	1.11 U	2.6	2.48	1.11 U	1.11 U	1.11 U	1.11 U
Sodium Sodium (Dissolved)	20,000	64,000 69,200	23,000 23,300	96,000 90,900	48,400 47,800	55,800 54,200	55,800 54,600	24,100 24,200	35,100 36,500	39,900 47,300	18,400
Vanadium (Dissolved)	20,000	11.1 U	23,300 11.1 U	11.1 U	47,800 11.1 U	11.1 U		2 4,200 11.9	11.1 U	47,300 11.1 U	19,300 11.1 U
Zinc	2,000	27.8 U	68.2	29.3	27.8 U	144	93.8	27.8 U	27.8 U	27.8 U	27.8 U
Zinc (Dissolved)	2,000	27.8 U	27.8 U	29.3 27.8 U	27.8 U	50	52.1	27.8 U	27.8 U	27.8 U	27.8 U
LITIC (DISSUIVEU)	2,000	27.0 U	U	27.0 U	27.0 U	1 50	JZ.1	21.0 U	27.0	27.0 U	27.0 U

Table 3 Groundwater Sample Analytical Results Summary

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Notes:

- 1. Groundwater 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 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
- 2. Only detected analytes are shown in the table.
- 3. Detected analytical results above NYSDEC SGVs are bolded and shaded.
- 4. Analytical results with reporting limits (RL) above NYSDEC SGVs are italicized.
- 5. Sample GWDUP01_043020 is a duplicate sample of MW08_043020.
- 6. ~ = Regulatory limit for this analyte does not exist
- 7. ug/l = micrograms per liter
- 8. NA = Not analyzed
- 9. ND = Not detected

- D = The concentration reported is a result of a diluted sample.
- J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
- B = The analyte was found in the associated analysis batch blank.

Table 4 **Groundwater Sample Analytical Results - Emerging Contaminants**

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Location	USEPA Health	MW01	MW02		MW05		MW06		MW08		MW08		MW10		MW11		MW13		MW16	
Sample ID	Advisory for	MW01_050720	MW02_050	720	MW05_04302	20	MW06_0430	20	MW08_04302	20	GWDUP01_043	020	MW10_05072	20	MW11_05112	:0	MW13_05112	20	MW16_0507	20
Laboratory ID	Emerging	20E0198-02	20E0198-)3	20D0849-13		20D0849-1	1	20D0849-12	2	20D0849-14		20E0198-04		20E0279-02		20E0279-01		20E0198-01	1
Sample Date	Contaminants	5/7/2020	5/7/202)	4/30/2020		4/30/2020		4/30/2020		4/30/2020		5/7/2020		5/11/2020		5/11/2020		5/7/2020	
Semivolatile Organic Compounds (µg/L)										•		•				•				
1,4-Dioxane (P-Dioxane)	~	0.2 U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Per and Polyfluoroalkyl Substances (µg/L)					•				•											
N-ethyl perfluorooctane- sulfonamidoacetic acid (NEtFOSAA)	~	0.000557 U	0.000557	U	0.000557	С	0.000726	J	0.000557	U	0.000557	U	0.000557	U	0.000557	U	0.000557	U	0.000557	U
N-methyl perfluorooctane- sulfonamidoacetic acid (NMeFOSAA)	~	0.000529 U	0.000529	U	0.000529	U	0.000529	U	0.000712	J	0.000529	U	0.000529	U	0.000529	U	0.000529	U	0.000529	U
Perfluorobutanesulfonic Acid (PFBS)	~	0.00187 J	0.00192	J	0.0149		0.00945		0.000933	J	0.000894	J	0.00109	J	0.00135	J	0.00221		0.00184	J
Perfluorobutanoic acid (PFBA)	~	0.0105 B	0.00993	В	0.0174	В	0.0182	В	0.00547	В	0.00494	В	0.0136	В	0.0113	В	0.00858	В	0.0105	В
Perfluorodecanesulfonic acid (PFDS)	~	0.000574 U	0.000574	U	0.000574	U	0.000574	U	0.000574	U	0.000574	U	0.000574	U	0.000574	U	0.000574	U	0.000574	U
Perfluorodecanoic acid (PFDA)	~	0.000524 U	0.00104	J	0.00128	J	0.00252		0.000524	U	0.000524	υl	0.000674	J	0.000524	U	0.000524	U	0.000524	U
Perfluorododecanoic Acid (PFDoA)	~	0.000777 U	0.000777	U	0.000777	U	0.000777	U	0.000777	U	0.000777	U	0.000777	U	0.000777	U	0.000777	U	0.000777	U
Perfluoroheptanesulfonic acid (PFHpS)	~	0.000415 U	0.000415	U	0.00242		0.000894	J	0.000415	U	0.000415	υl	0.000415	U	0.000415	U	0.000415	U	0.000415	U
Perfluoroheptanoic acid (PFHpA)	~	0.00516	0.00279		0.0172		0.0205		0.00259		0.00232		0.00231		0.00456		0.00649		0.00223	
Perfluorohexanesulfonic Acid (PFHxS)	~	0.000736 J	0.00056	J	0.00387		0.00269		0.000618	J	0.000681	J	0.000496	J	0.00095	J	0.00116	J	0.000281	U
Perfluorohexanoic Acid (PFHxA)	~	0.00685	0.00373		0.0177		0.0223		0.00322		0.00318		0.00461		0.00822		0.00621		0.00591	
Perfluorononanoic Acid (PFNA)	~	0.00118 J	0.00253		0.00835		0.00987		0.000984	J	0.000741	J	0.000788	J	0.000993	J	0.00197	J	0.000574	U
Perfluorooctanesulfonamide (FOSA)	~	0.000296 U	0.000296	U	0.000296	U	0.0007	J	0.000816	J	0.000296	U	0.000296	U	0.000296	U	0.000296	U	0.000296	U
Perfluorooctanesulfonic acid (PFOS)	0.07	0.00475	0.0094		0.0843		0.13		0.0109		0.0123		0.0062		0.00376		0.00958		0.0031	
Perfluorooctanoic Acid (PFOA)	0.07	0.0673	0.0315		0.143		0.178		0.0277		0.0275		0.00922		0.0273		0.0658		0.00236	
Perfluoropentanoic Acid (PFPeA)	~	0.00665	0.00329		0.0169		0.0232		0.00308		0.00279		0.0048		0.00899		0.00551		0.00449	
Perfluorotetradecanoic Acid (PFTA)	~	0.0038	0.000531	U	0.000531	U	0.000537	J	0.000671	J	0.000531	U	0.000531	U	0.000531	U	0.000531	U	0.000531	U
Perfluorotridecanoic Acid (PFTrDA)	~	0.00137 U	0.00137	U	0.00137	U	0.00137	U	0.00137	U	0.00137	U	0.00137	U	0.00137	U	0.00137	U	0.00137	U
Perfluoroundecanoic Acid (PFUnA)	~	0.000657 U	0.000657	U	0.000657	U	0.000657	U	0.000657	U	0.000657	U	0.000657	U	0.000657	U	0.000657	U	0.000657	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	~	0.000399 U	0.000399	U	0.000399	U	0.000399	U	0.000399	U	0.000399	υl	0.000399	υl	0.000399	υl	0.000399	U	0.000399	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	~	0.000492 U	0.000492	U	0.000492	U	0.000492	U	0.000492	U	0.000492	U	0.000492	U	0.000492	U	0.000492	U	0.000492	U
Total PFOA and PFOS	~	0.0721	0.0409		0.227		0.308		0.0386		0.0398		0.0154		0.0311		0.0754		0.00546	

- Notes:

 1. Regulatory criteria do not exist for per- and polyfluoroalkyl substances (PFAS) and 1,4-Dioxane in New York State. Perflourooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) are compared to the United States Environmental Protection Agency (USEPA) health advisory limit of 70 parts per trillion.
- 2. Only detected analytes are shown in the table.
- Detected analytical results above the USEPA Health Advisory Limit are bolded and shaded.
 Analytical results with reporting limits (RL) above USEPA Health Advisory Limit are italicized.
- 5. Sample GWDUP01_043020 is a duplicate sample of
- 6. ~ = Regulatory limit for this analyte does not exist
- 7. μg/l = micrograms per liter

- J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
- B = The analyte was found in the associated analysis batch blank.

Table 4

Groundwater Sample Analytical Results - Emerging Contaminants

475 Bay Street and 31 Wave Street Staten Island, New York Langan Project No.: 170610601

Notes

- 1. Regulatory criteria do not exist for per- and polyfluoroalkyl substances (PFAS) and 1,4-Dioxane in New York State. Perflourocotanoic acid (PFOA) and perfluorocotanesulfonic acid (PFOS) are compared to the United States Environmental Protection Agency (USEPA) health advisory limit of 70 parts per trillion.
- 2. Only detected analytes are shown in the table.
- 3. Detected analytical results above the USEPA Health Advisory Limit are bolded and shaded.
- 4. Analytical results with reporting limits (RL) above USEPA Health Advisory Limit are italicized.
- 5. Sample GWDUP01_043020 is a duplicate sample of MW08_043020.
- 6. \sim = Regulatory limit for this analyte does not exist
- 7. μg/l = micrograms per liter

- J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
- B = The analyte was found in the associated analysis batch blank.

Table 5 Co-Location Indoor Air and Sub-Slab Soil Vapor Sample Analytical Results Summary

475 Bay Street and 31 Wave Street Staten Island. New York Langan Project No.: 170610601

Location Sample ID Laboratory ID Sample Date Sample Type	AA01 AA01_0430 20E0004-0 4/30/202 AA	03	IA08 IA08_0430 20E0004- 4/30/202 IA	06	SS08 SS08_043 20E0004- 4/30/202 SSV	04	IA09 IA09_0430 20E0004- 4/30/202 IA	07	SS09 SS09_043 20E0004 4/30/20 SSV	020 -05
Volatile Organic Compounds (µg/m³)										
1,2,4-Trimethylbenzene	0.39	U	0.55	D	9.9	D	0.47	U	17	D
1,3,5-Trimethylbenzene (Mesitylene)	0.39	U	0.4	U	2.6	D	0.47	U	3.8	D
4-Ethyltoluene	0.39	U	0.4	U	13	D	0.47	U	22	D
Acetone	6.6	D	8.4	D	6.7	D	4.2	D	4.8	D
Benzene	0.41	D	0.28	D	3.1	D	0.3	D	2.4	D
Carbon Disulfide	0.25	U	0.25	U	1.2	D	0.3	U	4.2	D
Carbon Tetrachloride	0.5	D	0.51	D	0.42	D	0.48	D	0.26	U
Chloroform	0.39	U	0.39	U	9.9	D	0.47	U	0.99	D
Chloromethane	1.2	D	1	D	0.35	υl	1.1	D	0.35	U
Cyclohexane	0.28	U	0.28	U	1.3	D	0.33	U	3.2	D
Dichlorodifluoromethane	1.6	D	1.9	D	2.3	D	1.9	D	2.6	D
Ethylbenzene	0.38	D	0.52	D	14	D	0.5	D	19	D
Isopropanol	26	D	9.8	D	4.8	D	1.6	D	4.9	D
M,P-Xylene	1.1	D	1.9	D	55	D	1.6	D	76	D
Methyl Ethyl Ketone (2-Butanone)	1	D	0.76	D	1.2	D	0.79	D	1.1	D
Methyl Methacrylate	6.1	D	0.4	D	0.69	υl	0.39	U	0.69	U
Methylene Chloride	1.5	D	0.56	U	1.2	υl	0.66	U	1.2	U
n-Heptane	0.33	U	0.36	D	6.1	D	0.39	U	16	D
n-Hexane	0.42	D	0.28	U	5.8	D	0.34	U	6.5	D
o-Xylene (1,2-Dimethylbenzene)	0.38	D	0.63	D	13	D	0.54	D	19	D
Styrene	0.34	D	0.34	U	1.6	D	0.41	U	2.2	D
Tert-Butyl Methyl Ether	0.29	U	0.29	U	0.61	υl	0.34	U	10	D
Tetrachloroethene (PCE)	0.54	U	0.55	U	35	D	0.65	U	20	D
Toluene	2.2	D	4.7	D	55	D	2.7	D	50	D
Trichlorofluoromethane	1.4	D	1.3	D	1.3	D	1.3	D	1.1	D
Total VOCs	51.1		33		243		17		287	

Notes:

- 1. Co-located sub-slab vapor and indoor air sample analytical results are evaluated using 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).
- 2. Ambient air sample analytical results are shown for reference only.
- 3. Only detected analytes are shown in the table.
- 4. No analytical results are detected above the NYSDOH Decision Matrices.
- 5. ug/m3 = Micrograms per cubic meter
- 6. AA = Ambient air
- 7. IA = Indoor air
- 8. SSV = Sub-slab vapor

- D = The concentration reported is a result of a diluted sample.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the Reporting Limit (RL); the value shown in the table is the RL.

Table 6 Soil Vapor Sample Analytical Results Summary

475 Bay Street and 31 Wave Street Staten Island. New York Langan Project No.: 170610601

Location		AA02		SV01		SV02		SV03		SV04		SV07		SV11		SV13		SV15		SV16	
Sample ID	NYSDOH Decision	AA02 0505	20	SV01 050520		SV02 0505	20	SV03 0509	520	SV04 043	3020	SV07 043	020	SV11 050	520	SV13 05052	20	SV15 050	520	SV16_050	520
Laboratory ID	Matrices Minimum	20E0109-0		20E0109-01		20E0109-0		20E0109-		20E0004		20E0004		20E0109-		20E0109-05		20E0109-		20E0109-	
Sample Date	Concentrations	5/5/2020		5/5/2020		5/5/2020		5/5/2020		4/30/20	20	4/30/20	20	5/5/202	20	5/5/2020		5/5/202	0	5/5/202	0
Sample Type		AA		sv		sv		sv		sv		sv		sv		sv		sv		sv	
Volatile Organic Compounds (µg/m³)																					\neg
1,2,4-Trimethylbenzene	~	0.88	D	21	D	14	D	13	D	20	D	28	D	23	D	16	D	20	D	25	D
1,3,5-Trimethylbenzene (Mesitylene)	~	0.49	U	9.6	D	4.5	D	4.3	D	8	D	12	D	8.5	D	5.5	D	7.2	D	6.1	D
1,3-Butadiene	~	0.66	U	11	U	2.7	D	6.1	D	1.1	U	1.1	D	5.4	U	1	U	4.1	D	2.3	D
2-Hexanone	~	0.81	U	13	U	8.8	D	8.1	D	3.5	D	2.9	D	34	D	11	D	16	D	6.6	D
4-Ethyltoluene	~	0.73	D	13	D	8.1	D	7.7	D	11	D	14	D	15	D	9.5	D	12	D	25	D
Acetone	~	20	D	170	D	82	D	110	D	54	D	29	D	520	D	120	D	180	D	350	D
Acrylonitrile	~	0.22	U	3.5	U	0.36	U	0.36	U	0.35	U	0.35	U	1.8	U	0.43	D	0.59	D	1.1	D
Benzene	~	0.44	D	14	D	1.1	D	1.8	D	2.1	D	9.9	D	14	D	1.8	D	6.6	D	61	D
Carbon Disulfide	~	0.31	U	110	D	12	D	70	D	4	D	13	D	79	D	110	D	130	D	93	D
Carbon Tetrachloride	6	0.63	D	2.6	U	0.26	U	0.41	D	0.4	D	0.25	U	1.3	U	0.24	U	0.3	D	0.78	D
Chloroethane	~	0.26	U	4.3	U	0.43	U	0.43	U	0.42	U	1.1	D	2.2	U	0.4	U	0.43	U	0.47	U
Chloroform	~	0.49	U	7.9	U	0.8	U	0.8	U	5	D	4.2	D	7.6	D	12	D	0.79	υl	3.6	D
Chloromethane	~	1.5	D	3.4	U	0.34	U	0.88	D	0.79	D	0.33	U	1.7	U	0.34	D	0.43	D	0.74	D
Cis-1,2-Dichloroethene	6	0.099	U	1.6	U	0.16	U	0.16	U	0.16	U	0.16	U	0.81	U	0.15	U	1.1	D	0.21	D
Cyclohexane	~	0.34	U	88	D	13	D	13	D	1.5	D	7.8	D	4.2	D	3.2	D	23	D	0.61	U
Dichlorodifluoromethane	~	2	D	8.1	U	2	D	2.3	D	2.5	D	2.2	D	4.1	U	1.7	D	2.6	D	2.6	D
Ethyl Acetate	~	1.3	D	12	U	1.2	U	3.7	D	1.1	U	1.2	U	5.9	U	1.1	U	1.2	U	1.3	U
Ethylbenzene	~	0.69	D	9.2	D	3.3	D	3.2	D	3	D	2.7	D	9.3	D	4.7	D	5.6	D	84	D
Isopropanol	~	NA		15	D	1.8	D	160	D	29	D	2.3	D	11	D	21	D	8.2	D	12	D
M,P-Xylene	~	2.3	D	25	D	9.9	D	11	D	13	D	12	D	24	D	13	D	16	D	64	D
Methyl Ethyl Ketone (2-Butanone)	~	1.8	D	59	D	26	D	33	D	11	D	8.9	D	160	D	38	D	66	D	31	D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	0.53	D	6.7	U	0.94	D	1.5	D	0.65	U	0.79	D	3.4	U	0.93	D	1.3	D	0.73	U
Methyl Methacrylate	~	25	D	6.7	U	0.67	U	57	D	15	D	0.66	U	3.4	U	7.7	D	0.79	D	0.73	U
n-Heptane	~	0.45	D	210	D	4.9	D	5.4	D	8.8	D	11	D	12	D	4.8	D	19	D	6.6	D
n-Hexane	~	1.9	D	330	D	3.8	D	10	D	3.5	D	22	D	9.5	D	3.6	D	41	D	4.7	D
o-Xylene (1,2-Dimethylbenzene)	~	0.78	D	11	D	5.1	D	4.9	D	6.8	D	6.8	D	12	D	6.2	D	7.8	D	21	D
Propylene	~	0.17	U	240	D	37	D	90	D	0.27	U	0.28	U	27	D	7.8	D	76	D	24	D
Styrene	~	0.72	D	6.9	U	0.7	U	2.1	D	0.68	U	0.68	U	3.5	U	0.64	U	0.69	U	15	D
Tert-Butyl Methyl Ether	~	0.36	U	5.9	U	0.59	U	0.59	U	0.57	U	0.58	U	3	U	0.55	U	0.58	U	0.77	D
Tetrachloroethene (PCE)	100	0.67	U	11	U	1.1	U	1.1	U	13	D	13	D	5.6	U	1	U	3.1	D	10	D
Toluene	~	5.6	D	48	D	17	D	16	D	8.5	D	13	D	65	D	20	D	32	D	2,200	D
Trichloroethene (TCE)	6	0.13	U	2.2	U	0.22	U	0.22	U	0.21	U	0.22	U	1.1	U	0.2	U	0.22	U	0.38	D
Trichlorofluoromethane	~	1.7	D	9.1	U	1.3	D	1.8	D	1.7	D	2.1	D	4.6	U	1.7	D	2.7	D	1.7	D
Total VOCs	~	69		1,370		259		637		226		220		1,040		421		683		3,050	

Notes

- 1. 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).
- 2. Ambient air sample analytical results are shown for reference only.
- 3. Only detected analytes are shown in the table.
- 4. No analytical results are detected above the minimum soil vapor concentrations recommending mitigation.
- 5. ~ = Regulatory limit for this analyte does not exist
- 6. ug/m3= micrograms per cubic meter
- 7. AA = Ambient Air
- 8. SV = Soil Vapor

- D = The concentration reported is a result of a diluted sample.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the Reporting Limit (RL); the value shown in the table is the RL.

PREVIOUS ENVIRONMENTAL REPORTS (INCLUDED AS SEPARATE ATTACHMENTS)

ATTACHMENT D

SECTION IV: PROPERTY INFORMATION

ATTACHMENT D SECTION IV: PROPERTY INFORMATION

Item 1 – Metes and Bounds Description

The 66,800-square-foot (1.53 acres) proposed BCP site is located at 475 Bay Street and 31 Wave Street in Staten Island, New York, which corresponds with the Borough of Staten Island Tax Map Block 488, Lots 9, 157, 162, and 164. An application for the merger of Lots 157, 162 and 164 into Lot 157 dated April 28, 2020 was submitted to the New York State Department of Finance - Property Division and is included as an attachment.

GIS Information (degrees/minutes/seconds):

• Latitude: 40°37'49"

Longitude: -74°4'34"

Item 2 – Property Maps

Figure D-1: Site Location Map is the required United States Geological Survey (USGS) 7.5-minute quadrangle map showing the location of the proposed BCP property.

Figure D-2: Site Plan provides a property base map that shows map scale, north arrow orientation, date, and location of the property with respect to adjacent streets and roadways.

Figure D-3: Adjacent Property and Surrounding Land Use Map provides a property base map that shows proposed brownfield property boundary lines, with adjacent property owners clearly identified, and surrounding land uses.

Figure D-4: Tax Block and Lot Map provides the tax parcel information.

Item 3 – Environmental Zone

According to the New York State (NYS) Department of Labor's mapped boundaries for NYS Environmental Zones (En-Zones), 100 percent of the site is located within Richmond County Census Tract 21, a designated En-Zone. The site is located within a census tract that has a poverty rate of 26.3% and an unemployment rate of 6.2%; this data satisfies En-Zone criteria pursuant to Tax Law 21(b)(6). Figure D-5 shows the property boundary within the En-Zone.

<u>Item 10 - Property Description Narrative</u>

Location

The site is located at 475 Bay Street and 31 Wave Street within an urbanized area of Staten Island, New York and is identified as Block 488, Lots 9, 157, 162, and 164 on the Borough of Staten Island Tax Map. The site is located on the city block bound by Baltic Street to the north,

Murray Hulbert Avenue to the east, Wave Street to the south and Bay Street to the west. The New York City Transit (NYCT) Island Rail easement, tracks and overpass run parallel to the eastern boundary of the site.

Site Features

The about 66,800-square-foot (1.53 acres) site is situated in the southern half of the tax block and is comprised of three vacant asphalt and gravel-paved lots (Lot 9, 157 and 162) and a single lot occupied by a vacant one-story slab-on-grade building formerly operated as an auto repair and detailing shop (Lot 164). According to monitoring well survey measurements obtained by Langan on May 11, 2020, the site grade ranges from elevation 9.32± (NAVD88)¹ in the southeast corner of the site to el 10.66± in the center of the site. The topography of the site and surrounding area is generally level with a gradual slope towards the east.

Current Zoning and Land Use

According to the New York City Planning Commission Zoning Map 21c, the site is located within a residential district (R6) with a commercial overlay (C2-3). The site is also located within the Special Bay Street Corridor District (BSC). According to the New York City Planning Commission, the "R6 zoning districts are widely mapped in built-up, medium-density areas in Brooklyn, Queens and the Bronx. The character of R6 districts can range from neighborhoods with a diverse mix of building types and heights." With regard to the commercial overlay, according to the New York City Planning Commission, "C1-1 through C1-5 and C2-1 through C2-5 districts are commercial overlays mapped within residence districts. Mapped along streets that serve local retail needs, they are found extensively throughout the city's lower- and medium-density areas and occasionally in higher-density districts." Finally, the BSC was created to "foster better connectivity between Staten Island's civic core in St. George and the town center of Stapleton by promoting a more continuous, pedestrian friendly commercial street scape and create the opportunity for additional housing on the North Shore." The surrounding properties are zoned for residential (R6) uses with commercial overlays (C2-3). A copy of the zoning map is included in Attachment H.

Land use within a half-mile radius is urban and includes commercial, institutional, utility/transportation, residential, light industrial buildings and public parks. The nearest ecological receptor is The Narrows, located about 700 feet east of the site.

Lot 9 is currently used by the Requestor for staging construction equipment; Lots 157, 162 and 164 are vacant.

Elevations presented herein are in feet and referenced to the North American Vertical Datum of 1988 (NAVD88), which is about 1.1 feet above mean sea level at Sandy Hook, New Jersey.

Past Use of the Site

Historical Sanborn Fire Insurance Maps indicate that the site was located in a developed urban area as early as 1885. In 1885, Lot 9 was developed with a 1- and 2-story dwelling and a shed. Lots 157, 162 and 164 were unmapped in 1885; however, the 1898 map shows five individual buildings occupied by residential dwellings, a carpenter shop, and storage. Various commercial and industrial entities occupied the site including James Thompson and Sons Lumber Yard (1889 to 1917), Chas F. McAteer, Inc. coal yard (1937 to 1950), a filling station with three gasoline tanks, a grease and oil storage shed (1937 to 1950), J.T. Montesani Company Inc. sand and gravel yard with one gasoline tank and two garages (1950 to 1962), and auto sales (1977 to 1990) on Lot 9; an auto painting shop (1937 to 1950), auto repair (1977) and unlabeled manufacturing (1981 to 1988) on Lot 164; and a truck shop (1937 to 1950) on Lot 157. By 1991, Lots 9, 157, and 162 are vacant and Lot 164 is developed with a one-story commercial building. Site conditions appear generally the same from 1991 to 2007. City Directories also provide additional site usage detail including a gasoline service station (1928) on Lot 9 and auto repair facility (1934; 1979; 1990; 2000 to 2014) and iron works facility (1984) on Lot 164. The auto repair facility on Lot 164, A Jofi's Auto Body Inc., was also identified in the Solid Waste/Landfill (SW/LF) database as a car dismantling facility.

Site Geology and Hydrogeology

Based on the findings of the Phase II investigation completed in August 2013 and remedial investigation completed in April/ May 2020, the site is underlain with historic fill to depths ranging between 5 and 13 feet below ground surface (bgs). The historic fill is predominantly brown and black, fine- to coarse-grained sand with varying amounts of gravel, silt, brick, coal, slag, glass, ceramics, wood, incinerated material and/or concrete. The fill layer is underlain by native soil that predominantly consists of light gray to reddish brown silty fine sand with varying amounts of fine gravel and clay lenses, which extended to the termination depth of each boring.

Petroleum-like odors, PID readings above background (maximum 4.6 parts per million [ppm]), and/or staining were observed in soil borings SB-1, SB-6, SB-7, and SB-8 from 6 to 10 feet bgs during the August 2013 Phase II investigation, and in soil borings SB04 and SB110 from 14 to 15 feet bgs and 9 to 10 feet bgs, respectively, during the April/May 2020 subsurface investigation.

Weathered schist was encountered at the bottom of one soil boring in the northwestern part of Lot 9 during the August 2013 Phase II investigation. Bedrock was not encountered during the April/May 2020 investigation. Based on the "Plate 2 Bedrock Geology of Staten Island and Configuration of Bedrock Surface", prepared by United Stated Department of the Interior Geological Survey in cooperation with the New York State Department of Environmental Conservation (NYSDEC), dated 1986, bedrock is anticipated beneath the ground moraine layer at depths of about 30 to 50 feet bgs.

Groundwater is inferred to flow to the east-southeast towards the Narrows, following the topography and the historical stream illustrated in the 1865 Topographical Atlas of City of New York Including Annexed Territory (Viele Map) created by Egert L. Viele. Groundwater was encountered between 6 and 15 feet bgs during the August 2013 Phase II investigation, and generally between 3.51 and 4.92 feet bgs (corresponding to elevations ranging from about el 5.12 to el 6.00 NAVD88) during the April/May 2020 remedial investigation. Based on the findings of the remedial investigation, groundwater generally flows to the southeast.

Environmental Assessment

Based on the findings of the August 2013 Phase II and April/May 2020 subsurface investigations, the primary contaminants of concern include: semi-volatile organic compounds (SVOCs), pesticides, and metals in soil; SVOCs and metals in groundwater; and the chlorinated volatile organic compound (CVOC) carbon tetrachloride in soil vapor. Further detail regarding documented soil, groundwater, and soil vapor contamination is provided below:

Several SVOCs, including 3&4 methylphenol (maximum concentration of 0.546 milligrams per kilogram [mg/kg]), 2-methyphenol (maximum concentration of 1.47 mg/kg), benzo(a)anthracene (maximum concentration of 34.7 mg/kg), benzo(a)pyrene (maximum concentration of 46.1 mg/kg), benzo(b)fluoranthene (maximum concentration of 38 mg/kg), benzo(k)fluoranthene (maximum concentration of 35.2 mg/kg), chrysene (maximum concentration of 43.2 mg/kg), dibenz(a,h)anthracene (maximum concentration of 7.34 mg/kg), dibenzofuran (maximum concentration of 13.5 mg/kg), fluoranthene (maximum concentration of 135 mg/kg), indeno(1,2,3-cd)pyrene (maximum concentration of 26.1 mg/kg), naphthalene (maximum concentration of 15.3 mg/kg), phenol (maximum concentration of 1.25 mg/kg), and pyrene (maximum concentration of 107 mg/kg) were detected in soil samples exceeding Unrestricted Use (UU) and/or Restricted Use-Restricted Residential (RURR) Soil Cleanup Objectives (SCOs).

Metals including arsenic (maximum concentration of 18.8 mg/kg), barium (maximum concentration of 950 mg/kg), cadmium (maximum concentration of 11 mg/kg), trivalent chromium (maximum concentration of 195 mg/kg), hexavalent chromium (maximum concentration of 3.35 mg/kg), total chromium (maximum concentration of 195 mg/kg), copper (maximum concentration of 160 mg/kg), lead (maximum concentration of 5,800 mg/kg), mercury (maximum concentration of 5.76 mg/kg), nickel (maximum concentration of 1,660 mg/kg), selenium (maximum concentration of 12.6 mg/kg), and zinc (maximum concentration of 2,600 mg/kg) were detected at concentrations above UU and/or RURR SCOs.

Four pesticides including 4,4'-DDD (maximum concentration of 0.017 mg/kg), 4,4'-DDE (maximum concentration of 0.0206 mg/kg), 4,4'-DDT (maximum concentration of 0.0845 mg/kg), and alpha BHC (alpha hexachlorocyclohexane) (maximum concentration of 0.0256 mg/kg) exceeded the UU SCOs in soil samples collected from across the site.

Total PCBs were detected at concentrations exceeding the UU SCO in two samples (maximum concentration of 0.203 mg/kg). PCBs were not detected above RURR SCOs.

Soil samples were analyzed for per- and polyfluoroalkyl substances (PFAS). Currently, there are no NYSDEC SCOs for PFAS compounds. Perfluorooctanoic acid (PFOA) was detected in 36 soil samples at concentrations ranging from 0.0000863 milligrams per kilogram (mg/kg) (86.3 parts per trillion [ppt]) to 0.00134 mg/kg (1,340 ppt) between 0 and 20 feet bgs. Perfluorooctane sulfonate (PFOS) was detected in 19 soil samples at concentrations ranging from 0.0000472 mg/kg (47.2 ppt) to 0.0052 mg/kg (5,200 ppt) between 0 and 15 feet bgs.

SVOCs and total and dissolved metals were detected at concentrations above the Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (NYSDEC SGV) in groundwater samples collected from across the site. In particular, the following SVOCs were detected at concentrations above the NYSDEC SGVs: benzo(a)anthracene (maximum concentration of 0.93 µg/L), benzo(a)pyrene (maximum concentration of 0.87 µg/L), benzo(b)fluoranthene (maximum concentration of 1 µg/L), benzo(k)fluoranthene (maximum concentration of 0.46 µg/L), chrysene (maximum concentration of 1.1 µg/L), and indeno(1,2,3-cd)pyrene (maximum concentration of 0.54 µg/L). Total metals including barium (maximum concentration of 1,994 µg/L), beryllium (maximum concentration of 8.04 mg/kg), chromium, total (maximum concentration of 202 mg/kg), copper (maximum concentration of 469.5 mg/kg), iron (maximum concentration of 235,000 µg/L), lead (maximum concentration of 894.5 mg/kg), magnesium (maximum concentration of 166,000 mg/kg), manganese (maximum concentration of 18,890 µg/L), nickel (maximum concentration of 3,342 mg/kg), selenium (maximum concentration of 10.1 mg/kg), sodium (maximum concentration of 119,000 µg/L), and thallium (maximum concentration of 0.85 mg/kg) and dissolved metals including iron (maximum concentration of 35,400 µg/L), magnesium (maximum concentration of 93,500 mg/kg), manganese (maximum concentration of 4,400 µg/L), and sodium (maximum concentration of 126,000 µg/L) and dissolved metals were detected at concentrations above the NYSDEC SGVs in groundwater samples collected across the site.

PFOA and PFOS were detected in two monitoring wells at concentrations exceeding the USEPA lifetime health advisory of 70 ppt. Concentrations of PFOA and PFOS ranged from 0.143 μ g/L (143 ppt) to 0.178 μ g/L (178 ppt) and from 0.0843 μ g/L (84.3 ppt) to 0.13 μ g/L (130 ppt), respectively.

Thirty-five VOCs were detected in at least one of the soil, sub-slab, and/or indoor air samples. Carbon tetrachloride (maximum concentration of 28.9 µg/m³) was detected above the minimum soil vapor concentrations at which mitigation is recommended in the New York State Department of Health (NYSDOH) Decision Matrices in one soil vapor sample collected from in the northwestern corner of the site during the August 2013 Phase II investigation. A conservative

comparison of the maximum concentration of carbon tetrachloride to the Decision Matrices recommends actions ranging from "no further action" to "mitigate."

The source of SVOCs and metals identified in site soils may be attributed to historic use of site including auto repair, automobile dismantling and manufacturing operations and from historic fill material used to bring the site to grade during historic site development. The source of SVOCs in groundwater is the SVOC-impacted soil. The source of total metals in groundwater is entrained sediment in the samples and dissolved metals in groundwater are associated with regional groundwater quality.

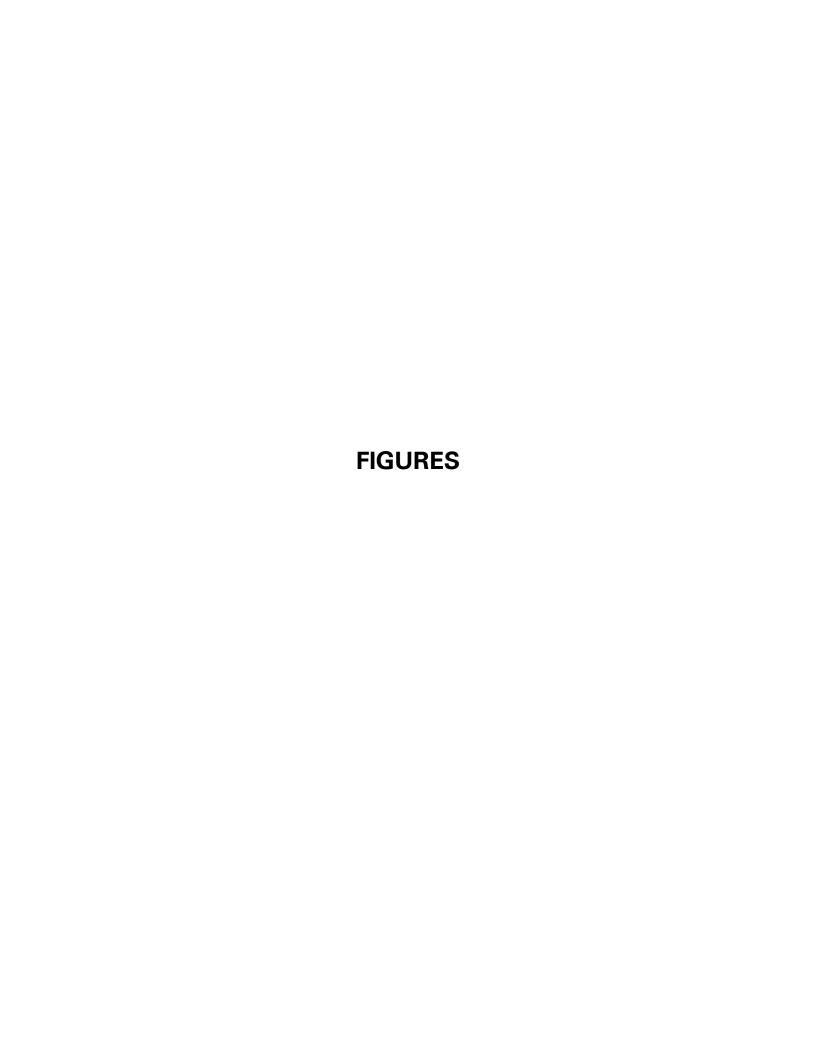


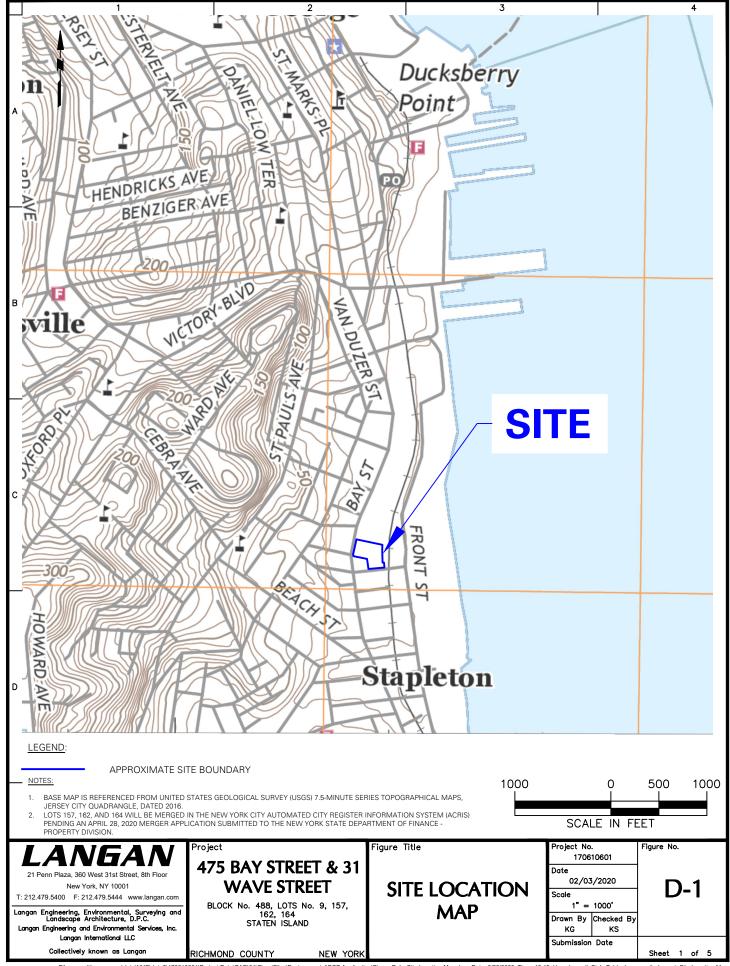
New York City Department of Finance ● Property Division ● Tax Map Office

APPLICATION FOR APPORTIONMENTS OR MERGERS

Instructions: Please complete this application and submit in person to: Department of Finance, Property Division - Tax Map Office, 66 John Street, 2nd floor, New York, NY 10038. Please read the instructions for further details before completing this form. Print clearly.

SECTION A: PROPERTY INFORMATION	
Borough: Staten Island Block: 488	Present Lot(s): 157, 162, 164
Borough: Staten Island Block: 488	DO NOT WRITE IN THIS SPACE - FOR OFFICE USE ONLY
Number of	
Merger □ Apportionment Lots Requested □ 1	Lot Number: 157
☐ Air ☐ Subterranean	
Lot(s)Usage: Residential Commercial	☐ Mix (Residential & Commercial)
(check one) Building Gross Building Gross	Building Gross
Sq/Ft:Sq/Ft:	Sq/Ft:
Property	
Owner's Name (as per Deed): LAST NAME	FIRST NAME
OR Company Name: Rosario Caracci LLC	
Property	ten Island NY 10309
2. Address: 14 Topside Lane Sta	CITY STATE ZIP CODE
Alexis Peseau, Des 3. Filing Representative (if applicable):	
apeseaueucsignali.	. Coll
SECTION B: CERTIFICATION	
Architect/Engineer/Applicant's Name: Gross	David
LAST NAME	FIRST NAME
2. Address: 225 West 39th Street New	W York NY 10018
NUMBER AND STREET	CITY STATE ZIP CODE
3. Telephone Number: 2123523099 4. Email Addre	ss: david@gf55.com
The applicant hereby certifies that, in making this application for merger/apportionment, s/he	is the owner, or acting under the direction of the owner.
1/1/	
	Date: 04 121 120
Signature of Architect/ Engineer/Applicant: TAX MAP CHANGE WILL NOT BE MADE UNTIL PRESENTATION OF REQUIRED I	DOCUMENTS (see reverse for the required documents)
DRAW SKETCH TO SCALE 1" = 50', IF POSSIBLE	INDICATE NORTH ARROW
181.92	
	TERED ARCA
	S S EAR COOK
157	4 5 0 00 0
13, 445 SF.	*
112/42	
141 CORNER TO CORNER (BAY STREET)	16587 10 FOF NEW
	(Architect or Engineer's seal)
Tentative Lot(s) issued: Outland Spring Representative: D. Date: 4-28-2020 w lot(s):	Lot(s) Affected:157 Lot(s) Dropped:162,16
Customer Service Representative: P. Bradley Pate: 4 /28 /2020 w Lot(s): Please note: Map changes will not be made until presentation of all required docu Lots are tentative until final approval is received from the Tax Map O	ments is reviewed and approved by the Specialist.
Map Updated:	
Tax Map Specialist: Date://	RP-602 Rev. 7.8.2019







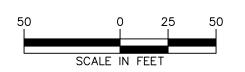
LEGEND:

APPROXIMATE SITE BOUNDARY

GENERAL NOTES:

- 1. BASEMAP TAKEN FROM LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY, D.P.C. NEARMAP WEB PORTAL, ACCESSED ON JANUARY 29, 2020.
- 2. LOTS 157, 162 AND 164 WILL BE MERGED IN THE NEW YORK CITY AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS) PENDING AN APRIL 28, 2020 MERGER APPLICATION SUBMITTED TO THE NEW YORK STATE DEPARTMENT OF FINANCE - PROPERTY DIVISION.

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.



Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001

T: 212.479.5400 F: 212.479.5444 www.langan.com

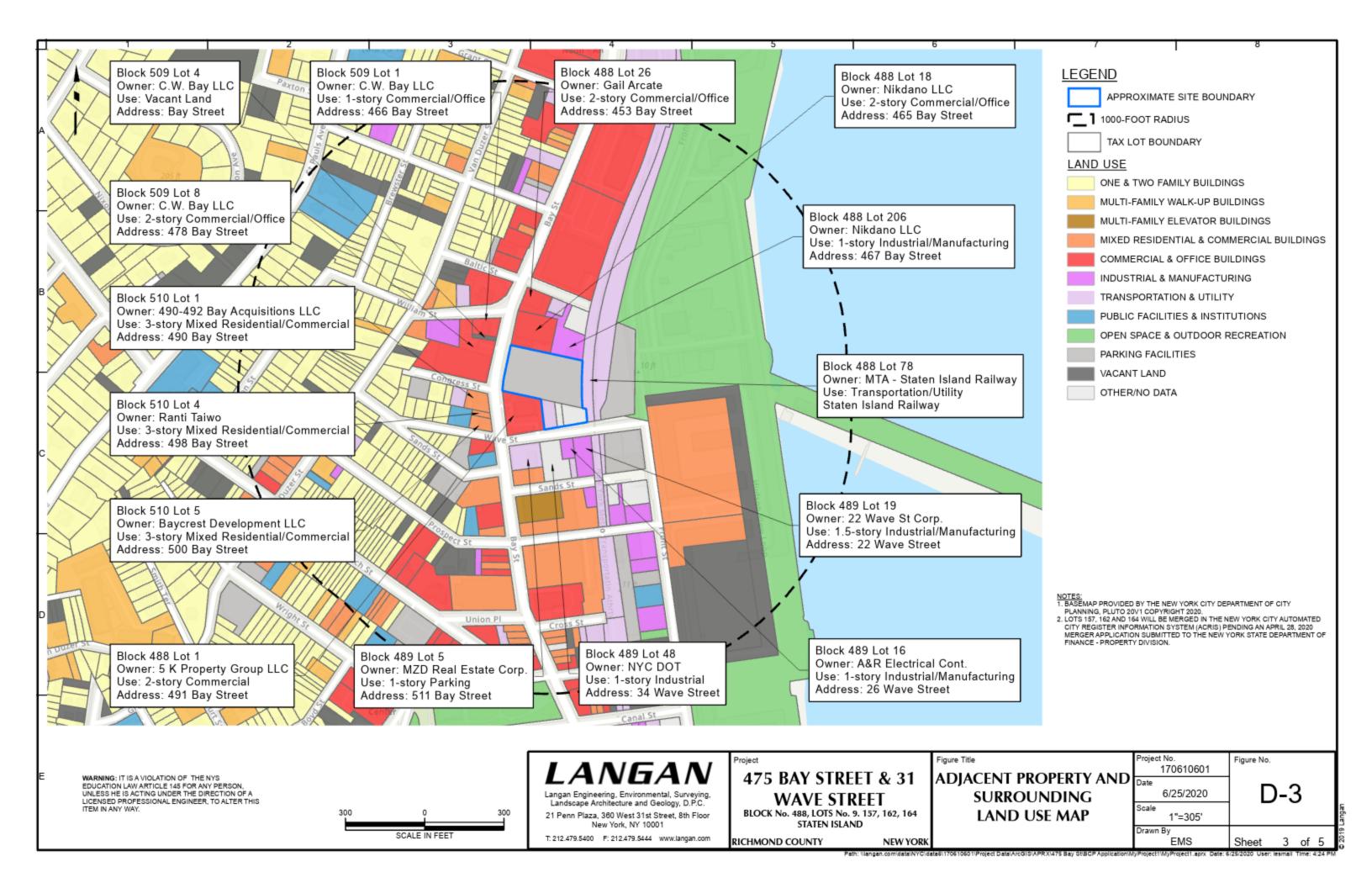
475 BAY STREET & 31 **WAVE STREET**

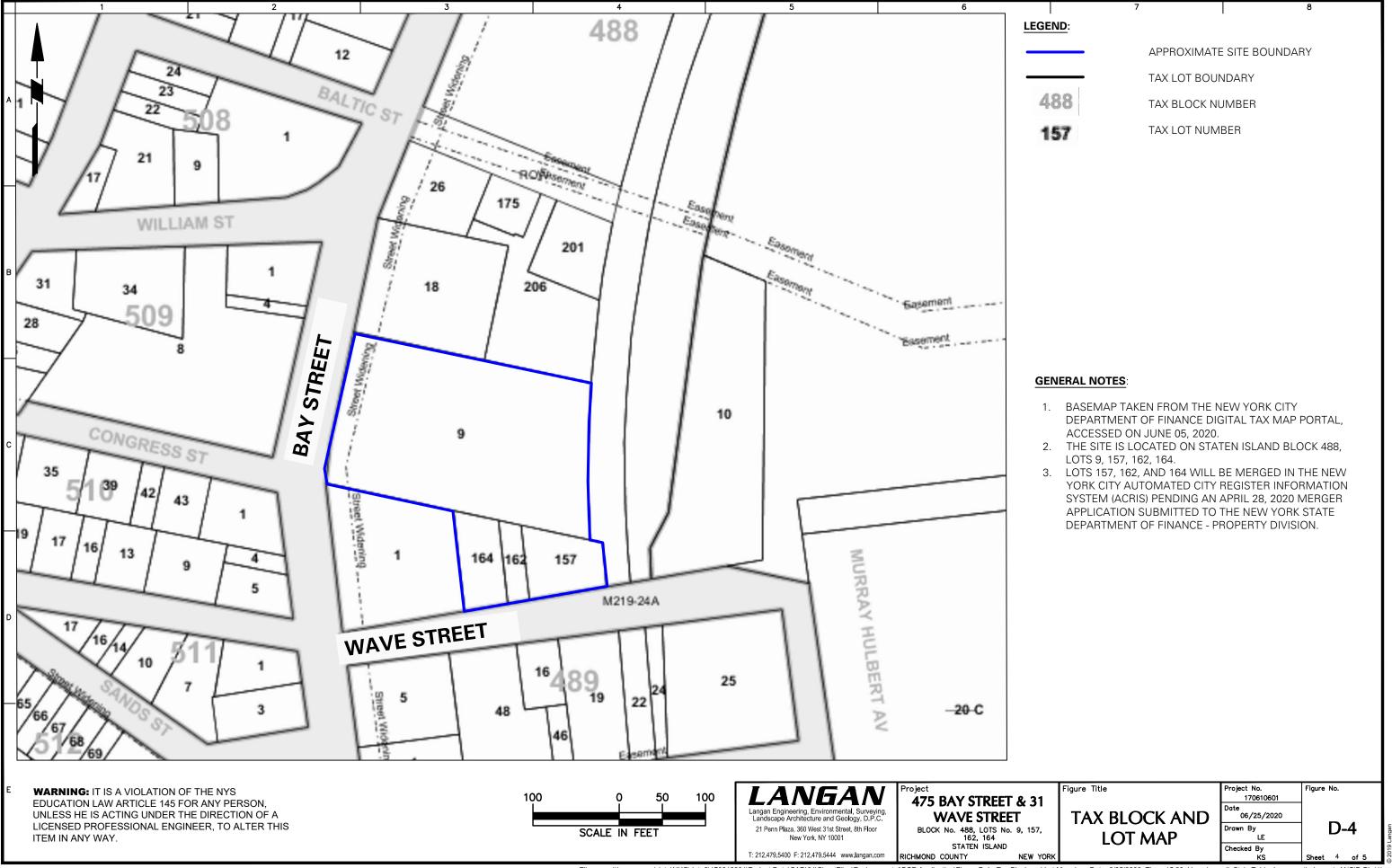
BLOCK No. 488, LOTS No. 9, 157, 162, 164 STATEN ISLAND RICHMOND COUNTY

Figure Title **SITE PLAN**

170610601 Date 06/25/2020 Drawn By LE

D-2 Checked By







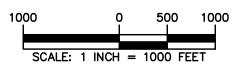
APPROXIMATE SITE BOUNDARY

MEETS ELIGIBILITY FOR CRITERIA B, DEFINED AS A POVERTY RATE OF AT LEAST 2 TIMES THE POVERTY RATE FOR THE COUNTY

MEETS ELIGIBILITY FOR CRITERIA A AND B, DEFINED AS A POVERTY RATE OF AT LEAST 20% AND AN UNEMPLOYMENT RATE OF AT LEAST 125% OF THE STATEWIDE UNEMPLOYMENT RATE, AND A POVERTY RATE OF AT LEAST 2 TIMES THE POVERTY RATE FOR THE COUNTY

- 1. BASEMAP TAKEN FROM GOOGLE EARTH, ACCESSED ON JUNE 5, 2020.
- 2. ENVIRONMENTAL ZONE BOUNDARIES OBTAINED FROM THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) WEBSITE, ACCESSED ON JUNE 5, 2020.
- LOTS 157, 162 AND 164 WILL BE MERGED IN THE NEW YORK CITY AUTOMATED CITY REGISTER INFORMATION SYSTEM (ACRIS) PENDING AN APRIL 28, 2020 MERGER APPLICATION SUBMITTED TO THE NEW YORK STATE DEPARTMENT OF FINANCE - PROPERTY DIVISION.

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T: 212.479.5400 F: 212.479.5444 www.langan.com

475 BAY STREET & 31 **WAVE STREET**

BLOCK No. 488, LOTS No. 9, 157, 162, 164 STATEN ISLAND NEW YORK RICHMOND COUNTY

ENVIRONMENTAL ZONE MAP

Figure Title

170610601 Date 06/25/2020 Drawn By

D-5 Checked By

ATTACHMENT E

SECTION VI: CURRENT PROPERTY OWNER/ OPERATOR INFORMATION

ATTACHMENT E SECTION VI: CURRENT PROPERTY OWNER/OPERATOR INFORMATION

Site Owner

The proposed BCP site located at 475 Bay Street and 31 Wave Street (Block 488, Lots 9, 157, 162, and 164) is currently owned by the Applicant, BFC 475 Residential LLC. BFC leased Lot 9 starting in 2014, prior to their purchase of the lot in December 2016. Lots 157, 162 and 164 were purchased by the requestor in May 2020. The Lot 164 was vacant at the time the Applicant took ownership of the property and has remained vacant. A lot merger application for Lots 157, 162 and 164, dated April 28, 2020, is included in Attachment D. A copy of the property deeds are provided in Attachment A. BFC 475 Residential LLC is not affiliated with the past property owners, operators, or the release of contaminants associated with prior uses.

Property Owner and Contact Information

BFC 475 Residential LLC C/O BFC Partners, 150 Myrtle Avenue, Suite 2 Brooklyn, New York 11201 Attn: Donald Capoccia 718-422-9999 dcapoccia@bfcnyc.com

Current Operator

Site Use: Vacant
BFC 475 Residential LLC
C/O BFC Partners,
150 Myrtle Avenue, Suite 2
Brooklyn, New York 11201
Attn: Donald Capoccia
718-422-9999
dcapoccia@bfcnyc.com

Previous Site Owners

Date	Document Type	First Party	Second Party
		Block 488, Lot 9	
12/08/2016	Deed	Kathleen Rampaul	BFC 475 Residential LLC
08/18/2000	Deed	Bruno Guarano, Peter and Thomas Di Pietro	Kathleen Rampaul
11/04/1977	Deed	Peter Di Pietro	Bruno and Faye Guarano
02/20/1975	Deed	Bruno and Faye Guarano	Peter Di Pietro
	Block	488, Lots 157, 162, 164	
05/20/2020	Deed	Rosario Caracci LLC	BFC 475 Residential LLC
12/14/2017	Deed	Kathleen and Anthony Indelicato	Rosario Caracci LLC
07/23/2015	Deed	Josephine Indelicato and Estate of Virginia Indelicato	Anthony Indelicato
03/02/2004	Deed	Salvatore Gatto	Kathleen and Virginia Indelicato
06/30/1983	Deed	Joseph Bruzzese and Salvatore Gatto	Salvatore Gatto

Reference: Office of the Richmond County Clerk website: https://www.richmondcountyclerk.com/Search/BlockLotSearch.

Previous Site Operators

Historical Sanborn Fire Insurance Maps indicate that the site was located in a developed urban area as early as 1885. In 1885, Lot 9 was developed with a 1- and 2-story dwelling and a shed. Lots 157, 162 and 164 were unmapped in 1885; however, the 1898 map shows five individual buildings occupied by residential dwellings, a carpenter shop, and storage. Various commercial and industrial entities occupied the site including James Thompson and Sons Lumber Yard (1889 to 1917), Chas F. McAteer, Inc. coal yard (1937 to 1950), a filling station with three gasoline tanks, a grease and oil storage shed (1937 to 1950), J.T. Montesani Company Inc. sand and gravel yard with one gasoline tank and two garages (1950 to 1962), and auto sales (1977 to 1990) on Lot 9; an auto painting shop (1937 to 1950), auto repair (1977) and unlabeled manufacturing (1981 to 1988) on Lot 164; and a truck shop (1937 to 1950) on Lot 157. By 1991, Lots 9, 157, and 162 are vacant and Lot 164 is developed with a one-story commercial building. Site conditions appear generally the same from 1991 to 2007.

City Directory documents also provide additional site usage detail including a gasoline service station (1928) on Lot 9 and auto repair facility (1934; 1979; 1990; 2000 to 2014) and iron works facility (1984) on Lot 164. The auto repair facility on Lot 164, A Jofi's Auto Body Inc., was operated from 2000 to 2014 and was also identified in the Solid Waste/Landfill (SW/LF) database

as a car dismantling facility. Lots 157, 162, and 164 appear to have operated as Wave Street Autobody from 2014 until sometime in 2019.

The Applicant began leasing Lot 9 in 2014. At that time the lot was capped with a new asphalt cover and was briefly used as a commuter parking lot (approximately 6 months) and has since been used to stage construction materials and equipment.

Historical site operations are presented in the following table:

Operator Name/Site Use	Relationship to Property	Address and Phone Number	Relationship to Applicant
Parking and Construction Material Staging	Tenant (2014-2016) Owner (2016 to Present)	BFC 475 Residential LLC 475 Bay Street 718-422-9999	Applicant
Wave Street Autobody (Lots 157, 162, 164)	Operator of Lots 157, 162, and 164 (2014 to 2019)	31 Wave Street 718-667-9090 Ext. 106	None
A Jofi's Auto Body Inc.	Operator of Lots 157, 162, and 164 (2000 to 2014)	31 Wave Street (Phone Number Unknown)	None
Iron Works	Operator (1984)	31 Wave Street (Phone Number Unknown)	None
Manufacturing	Operator (1981 to 1988)	31 Wave Street (Phone Number Unknown)	None
Used Auto Sales	Operator (1968; 1977 to 1990)	475 Bay Street (Phone Number Unknown)	None
J.T. Montesani Company Inc. Sand and Gravel Yard	Operator (1950 to 1972)	475 Bay Street (Phone Number Unknown)	None
Truck Shop	Operator (1937 to 1950)	27 Wave Street (Phone Number Unknown)	None
Auto Painting	Operator (1937 to 1950)	31 Wave Street (Phone Number Unknown)	None
Gasoline Filling Station, Grease and Oil Shed	Operator (1937 to 1950)	475 Bay Street (Phone Number Unknown)	None
Chas F. McAteer, Inc. Coal Yard	Operator (1934 to 1950)	475 Bay Street (Phone Number Unknown)	None
Auto Repair	Operator (1934; 1979; 1990; 2000 to 2014, 2019)	31 Wave Street (Phone Number Unknown)	None
Gasoline Service Station	Operator (1929 to 1934)	475 Bay Street (Phone Number Unknown)	None
James Thompson and Sons Lumber Yard	Operator (1898 to 1917)	475 Bay Street (Phone Number Unknown)	None

References:

1. March 20, 2020 Phase I Environmental Site Assessment for 475 Bay Street and 31 Wave Street prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

2. January 2020 The EDR Radius Map Report with GeoCheck, Sanborn Maps, Aerial Photographs, and City Directories for 475 Bay Street, Inquiry Number: 5952363.2s, prepared by Environmental Data Resources.

ATTACHMENT F SECTION VII: REQUESTOR ELIGIBILITY INFORMATION

ATTACHMENT F SECTION VII: REQUESTOR ELIGIBILITY INFORMATION

Volunteer Status

Pursuant to ECL § 27-1405(1), BFC 475 Residential LLC is properly designated as a Volunteer because their liability arises solely from involvement with the site after discharge or disposal of contaminants at the site. There is no indication of any contribution to or exacerbation of site conditions during the time of Requestors involvement with the site.

The Requestor, BFC 475 Residential LLC, is a recent purchaser and current owner of the site, having purchased Block 488, Lot 9 in 2016, and Block 488, Lots 157, 162 and 164 in May 2020. The Requestor has taken appropriate care with respect to current site conditions, to prevent any threatened future release, and to prevent or limit human, environmental or natural resource exposures to any previously released contamination. This includes the undertaking of Phase I Environmental Site Assessments (ESA) and a Phase II Environmental Site Investigation (ESI) prior to purchase of Lot 9 and Lots 157, 162 and 164 in 2016 and 2020, respectively. The Requestor has kept the site undeveloped to eliminate any potential for exposure into any occupied structure that might be otherwise built on the site. As such, the Requestor qualifies as a Volunteer in the Brownfield Cleanup Program. The Applicant is prepared to undertake all necessary remediation required to address identified site contamination.

Requestor Relationship to Property

Requestor, BFC 475 Residential LLC, a New York limited liability company, purchased Lot 9 in December 2016; however, the Requestor began leasing Lot 9 in 2014. At that time the lot was capped with a new asphalt cover and was briefly used as a commuter parking lot (approximately 6 months) and has since been used to stage construction materials and equipment. Data collected by AKRF at that time did not identify evidence of contamination at the site. In addition, The Requestor undertook appropriate steps to reduce the risk of any potential completed exposure pathway by capping the site with either asphalt or clean gravel and then using the site solely for managed outdoor parking/staging use. Accordingly, there has been no risk of vapor intrusion and virtually zero potential human exposure to subsurface contaminants through inhalation or dermal contact.

Lots 157, 162, and 164 were purchased in May 2020 from Rosario Caracci, LLC. The site was vacant at the time of purchase and has remained vacant. The Requestor had no affiliation with the previous owner or operator.

ATTACHMENT G

SECTION IX: CONTACT LIST INFORMATION

ATTACHMENT G SECTION IX: CONTACT LIST INFORMATION

Item 1 – Chief Executive Officer and Planning Board

Chief Executive Officer

Mayor Bill de Blasio City Hall 260 Broadway Avenue New York, NY 10007

New York City Planning Commission

Marisa Lago, Chairperson Department of City Planning 120 Broadway, 31st Floor New York, NY 10271

Borough of Staten Island, Borough President

James Oddo 10 Richmond Terrace Borough Hall, Room 120 Staten Island, NY 10301 (718) 816-2000

Borough of Staten Island, Department of City Planning

Christopher Hadwin – Director 130 Stuyvesant Place, 6th Floor Staten Island, NY 10301 (718) 556-7240

Item 2 - Residents, Owners, and Occupants, of the Property and Adjacent Properties

Residents, owners, and occupants of the site and properties adjacent to the site

Owner and occupant information is provided in Attachment E. The site is located at 475 Bay Street and 31 Wave Street and is identified on the Borough of Staten Island Tax Map as Block 488, Lots 9, 157, 162, and 164. The about 66,800-square-foot site is situated on the southern half of the tax block and is comprised of vacant asphalt and gravel-paved lots (Lots 9, 157 and 162) and a vacant one-story slab-on-grade building formerly operated as an auto repair and detailing shop (Lot 164). The site is owned and operated by BFC 475 Residential LLC. The site is bound

by a two-story commercial building and a one-story industrial building to the north, a New York City Transit (NYCT) Island Rail easement and tracks followed by Murray Hulbert Avenue to the east, Wave Street followed by one to two-story industrial buildings to the south and a McDonalds and Bay Street followed by a two-story commercial building to the west.

Adjacent properties include:

Nikdano LLC	5 K Property Group LLC
MINGGIO ELC	5 K I TOPCITY GIOUP ELC

465 and 467 Bay Street 491 Bay Street

Staten Island, NY 10304 Staten Island, NY 10304

Metropolitan Transit Authority (MTA) – A&R Electrical Cont.

Staten Island Railway 26 Wave Street

Wave Street Staten Island, NY 10304

Staten Island, NY 10304

22 Wave Street Corporation MZD Real Estate Corporation

22 Wave Street 511 Bay Street

Staten Island, NY 10304 Staten Island, NY 10304

New York City Department of Ranti Taiwo
Transportation (NYC DOT) 498 Bay Street

34 Wave Street Staten Island, NY 10304

Staten Island, NY 10304

Baycrest Development LLC 490-492 Bay Acquisitions LLC

500 Bay Street 490 Bay Street

Staten Island, NY 10304 Staten Island, NY 10304

C.W. Bay LLC Gail Arcate
466, 470, and 478 Bay Street 453 Bay Street

Staten Island, NY 10304 Staten Island, NY 10304

Item 3 - Local News Media

Local news media from which the community typically obtains information

Staten Island Advance PIX11

950 W. Fingerboard Road, 220 East 42nd Street Staten Island, NY 10305 New York, NY 10017 (212) 210-2614

(718) 981-1234

New York Daily News
4 New York Plaza
New York, NY 10004
New York, NY 10001
(212) 210-2100
NY 1 Spectrum News
75 Ninth Avenue
New York, NY 10011
(212) 379-3311

New York Post 1211 Avenue of the Americas New York, NY 10036

Item 4 - Public Water Supply

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. The site receives potable water from the Croton Systems, located in Westchester, Putnam, and Dutchess Counties.

NYCDEP

Vincent Sapienza, 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 Water Board Department of Environmental Protection 59-17 Junction Boulevard, 8th Floor Flushing, NY 11373

Item 5 - Request for Contact

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

Item 6 - Schools and Day Care Facilities

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

Eden II Programs
(about 0.15 feet south-southwest of site)
Joanne Gerenser, Ph.D, CCC-SLP,
Executive Director
15 Beach Street
Staten Island, NY 10304

(718) 816-1422

Ms. Jay Kinder Care
(about 0.4 miles southwest of the site)
Alex C. Henry, On-Site Provider
16 Tappen Court, 1st Floor,
Staten Island, NY 10304
(347) 466-5918

PS 65 The Academy of Innovative Learning (about 0.22 miles northwest of the site) Sophie Scamardella, Principal 155 St Pauls Avenue Staten Island, NY 10301 (718) 981-5034

Little Miracles Preschool (about 0.22 miles west of the site) Lauren Grimaldi, MS Ed., SAS, SDA, Director 309 St. Pauls Avenue Staten Island, NY 10304 (718) 727-8202 United Multicultural Learning Center (about 0.3 miles southwest of the site) James Bestman 158 Canal Street Staten Island, NY 10304 No Phone Number Available

MindfulNEST Center (about 0.35 miles southwest of the site) Maria Pizarro, Founder/ Instructor 45 Tompkins Street Staten Island, NY 10304 (718) 981-5458

First Steps to Success Daycare (about 0.45 miles southwest of the site) Tamara Mapp, On-Site Provider 32 Hudson Street Staten Island, NY 10304 (917) 831-9601

Castle Day Care II
(about 0.41 miles southwest of the site)
Barbara Monaco, Director
211 Canal Street
Staten Island, NY 10304
(718) 448-5439

Ga Ga Group Family Day Care, LLC (about 0.16 miles southwest of the site) Gladys E. Jones, On-Site Provider 126 Prospect Street, Basement Floor Staten Island, NY 10304 (718) 420-1647

<u>Item 7 - Document Repository</u>

Letters sent to and received from the following sources acknowledging that both agree to act as a document repository for documents generated under the BCP Program:

New York Public Library – Stapleton Branch

132 Canal Street Staten Island, NY 10304 (718) 727-0427

<u>Hours</u>

Temporarily Closed – when reopened, the hours are:

Monday through Thursday: 11 AM - 7 PMFriday: 10 AM - 5 PMSaturday: 10 AM - 5 PM

Sunday: Closed

Staten Island Community Board 1

1 Edgewater Plaza, Suite 217Staten Island, NY 10305(718) 981-6900Joseph Carroll, District Manager

Email: jcarroll@cb.nyc.gov

Website: https://www1.nyc.gov/site/statenislandcb1/index.page

Letters sent to the repositories acknowledging that both agree to act as a document repository for the project are included in this attachment.

<u>Item 8 – Community Board</u>

The local community board is Staten Island Community Board 1.

Nicholas Siclari, Chairman 1 Edgewater Plaza, Suite 217 Staten Island, NY 10305 (718) 981-6900



June 18, 2020

New York Public Library – Stapleton Branch 132 Canal Street Staten Island, NY 10304 (718) 727-0427

Re: **Brownfield Cleanup Program Application BFC 475 Residential LLC**

475 Bay Street and 31 Wave Street Staten Island, New York 10304

To Whom it May Concern:

We represent BFC 475 Residential LLC in their anticipated New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) application for the above-referenced site at 475 Bay Street and 31 Wave Street in Staten Island, New York. It is a NYSDEC requirement that we supply them with a letter certifying that the local library 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 library would be willing and able to act as the public repository for this BCP project.

Sincerely,

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

Brian Gochenaur

Senior Project Manager

Yes, New York Public Library – Stapleton Branch is willing and able to act as a public repository on behalf of BFC 475 Residential LLC in their cleanup of 475 Bay Street and 31 Wave Street under the NYSDEC BCP.

(Name)

(Date)

6/19/20

Rosa Haire-Library Manager

(Title)

LANGAN

Technical Excellence Practical Experience Client Responsiveness

June 11, 2020

Staten Island Community Board 1 1 Edgewater Plaza, Suite 217 Staten Island, NY 10305 Phone: (718) 981-6900

Re:

Brownfield Cleanup Program Application BFC 475 Residential LLC 475 Bay Street and 31 Wave Street Staten Island, New York 10304

To Whom it May Concern:

We represent 475 BFC Residential LLC in their anticipated New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) application for the above-referenced site at 475 Bay Street and 31 Wave Street in Staten Island, New York. It is a NYSDEC requirement that we supply them with 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 community board would be willing and able to act as the public repository for this BCP project.

Sincerely,

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

Brian Gochenaur

Senior Project Manager

Yes, Staten Island Community Board 1 is willing and able to act as a public repository on behalf of BFC 475 Residential LLC in their cleanup of 475 Bay Street and 31 Wave Street under the NYSDEC BCP.

ATTACHMENT H

SECTION X: LAND USE FACTORS

ATTACHMENT H SECTION X: LAND USE FACTORS

Item 1 - Current Zoning

According to the New York City Planning Commission Zoning Map 21c, the site is located within a residential district (R6) with a commercial overlay (C2-3). The site is also located within the Special Bay Street Corridor District (BSC). According to the New York City Planning Commission, the "R6 zoning districts are widely mapped in built-up, medium-density areas in Brooklyn, Queens and the Bronx. The character of R6 districts can range from neighborhoods with a diverse mix of building types and heights." With regard to the commercial overlay, according to the New York City Planning Commission, "C1-1 through C1-5 and C2-1 through C2-5 districts are commercial overlays mapped within residence districts. Mapped along streets that serve local retail needs, they are found extensively throughout the city's lower- and medium-density areas and occasionally in higher-density districts." The proposed use is consistent with the current zoning. The applicable zoning map is attached.

Item 2 - Current Use

The site encompasses an area of about 66,800 square feet (1.53 acres) and is comprised of a vacant asphalt and gravel-paved lots (Lots 9, 157 and 162), and a vacant one-story slab-on-grade building formerly operated as an auto repair and detailing shop (Lot 164). The site is bound by a two-story commercial building and a one-story industrial building to the north, a New York City Transit (NYCT) Island Rail easement and tracks followed by Murray Hulbert Avenue to the east, Wave Street followed by one to two-story industrial buildings to the south and a McDonalds and Bay Street followed by a two-story commercial building to the west. Former site uses (i.e., which are suspected to have impacted the site) appear to have ceased operations sometime in the 1990s, with the exception of the autobody repair on Lot 164 which was vacated in 2019.

<u>Item 3 - Intended Use Post Remediation</u>

Current development plans include construction of a new 3-story community facility on Block 488, Lots 157, 162, and 164, and a 12-story mixed-use residential and commercial building on Block 488, Lot 9. All of the new residential units will be designated as affordable housing.

<u>Item 4 – Historical and Recent Development Patterns</u>

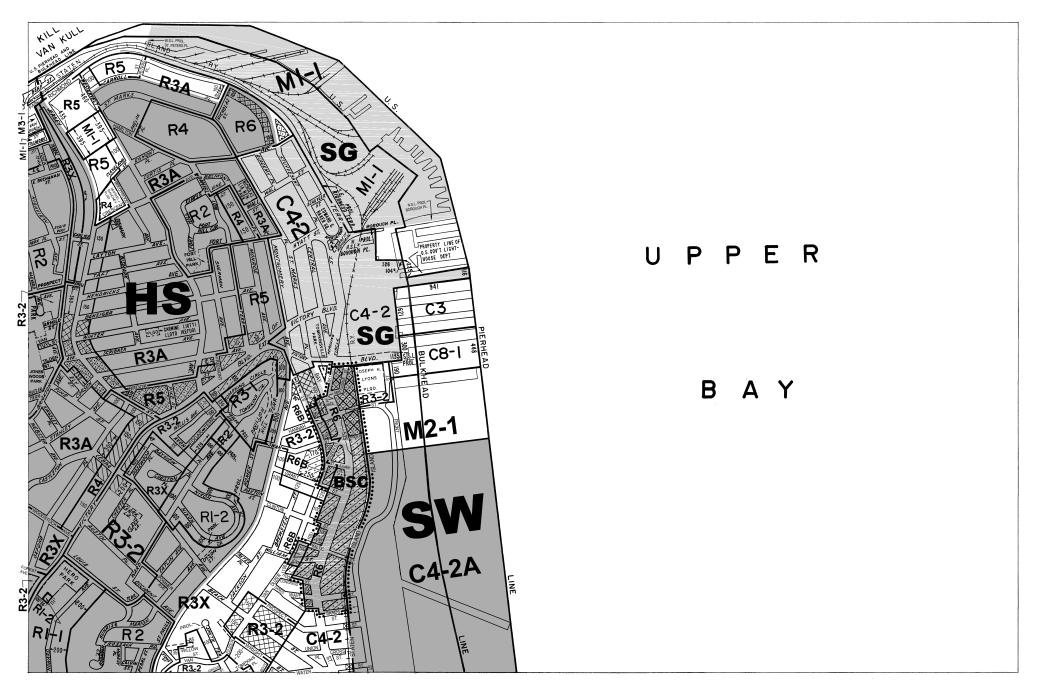
The site lies within the Special BSC District that was created to "foster better connectivity between Staten Island's civic core in St. George and the town center of Stapleton by promoting a more continuous, pedestrian friendly commercial street scape and create the opportunity for additional housing on the North Shore."

Item 5 - Consistency with Applicable Zoning Laws/Maps

This project responds to and is fully consistent with the goals of the City Council as embodied in the NYC Zoning Districts and provides additional affordable housing in a growing neighborhood. The site is located within an R6 residential district.

<u>Item 6 - Comprehensive Plans</u>

The site is part of the Special BSC District that was created to "foster better connectivity between Staten Island's civic core in St. George and the town center of Stapleton by promoting a more continuous, pedestrian friendly commercial street scape and create the opportunity for additional housing on the North Shore." The proposed use is consistent with these local and area 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:

06-26-2019 C 190113 ZMR

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.



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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

ATTACHMENT I

SUPPLEMENTAL QUESTIONS FOR SITES SEEKING TANGIBLE PROPERTY CREDITS IN NEW YORK CITY

ATTACHMENT I SUPPLEMENTAL QUESTIONS FOR SITES SEEKING TANGIBLE PROPERTY CREDITS IN NEW YORK CITY

Item 3 – Affordable Housing Project Determination

The site is located entirely within an EnZone and so is entitled to the Tangible Property credit component of the Redevelopment Tax Credits. In addition, the proposed redevelopment includes construction of a new 3-story community facility on Block 488, Lots 157, 162, and 164, and a 12-story mixed-use residential and commercial building on Block 488, Lot 9. All of the new residential units will be designated as affordable housing. If necessary, a copy of the regulatory agreement with BFC 475 Residential LLC will be provided to the NYSDEC at a later date prior to the issuance of a Certificate of Completion (COC).