Atlantic Chestnut – Lot 1

250 Euclid Avenue
BROOKLYN, NEW YORK

SITE MANAGEMENT PLAN

AKRF Project Number: 12492
NYSDEC BCP Site Number: C224234

Prepared for:
NYSDEC Region 2
1 Hunter's Point Plaza
47-40 21st Street
Long Island City, New York 11101

On Behalf Of:
Atlantic Chestnut Affordable Housing LLC, Atlantic Chestnut I Associates L.P., and Atlantic Chestnut I Housing Development Fund Corporation
902 Broadway, 13th Floor
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Revisions to Final Approved Site Management Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date

DECEMBER 2022

CERTIFICATION STATEMENT

I, Michelle Lapin, P.E., certify that I am currently a NYS registered Professional Engineer as defined in 6 NYCRR Part 375 and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

I certify that all information and statements in this certification are true. I understand that a false statement made herein is punishable as Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

Michelle Lapin, P.E.	12/29/2022	
NYS Professional Engineer #073934-1	Date	Signature/Stamp

It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.

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LIST OF ACRONYMS

Acronym	Definition
6 NYCRR	New York Codes, Rules and Regulations
AGV	Air Guidance Value
AWQSGVs	Ambient Water Quality Standards and Guidance Values
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
BTEX	A group of VOCs comprising benzene, toluene, ethylbenzene, and xylenes
CAMP	Community Air Monitoring Plan
CFR	Code of Federal Regulations
COC	Contaminants of Concern
CoC	Certificate of Completion
CP	Commissioner's Policy
DER	Division of Environmental Remediation
EC	Engineering Control
ECL	Environmental Conservation Law
ECs	Engineering Controls
EPA	United States Environmental Protection Agency
EWP	Excavation Work Plan
FDNY	New York City Fire Department
FER	Final Engineering Report
HASP	Health and Safety Plan
ICs	Institutional Controls
MTA	Metropolitan Transportation Authority
MW	Monitoring Well
NY	New York
NYCOER	New York City Office of Environmental Remediation
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
PAHs	Polycyclic Aromatic Hydrocarbons
PCBS	Polychlorinated Biphenyls
PCE	Tetrachloroethylene
PGWSCOs	Protection of Groundwater Soil Cleanup Objectives
PID	Photoionization detector

Acronym	Definition
PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
QEP	Qualified Environmental Professional
RAOs	Remedial Action Objectives
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
RIR	Remedial Investigation Report
RRSCO	Restricted Residential Soil Cleanup Objective
RSO	Remedial Site Optimization
SB	Soil Boring
SCGS	Standards, Criteria, and Guidance
SCOs	Soil Cleanup Objectives
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethylene
TCL	Target Compound List
TOGS	Technical Operational and Guidance Series
ULURP	Uniform Land Use Review Procedure
USGS	United States Geological Survey
UST	Underground Storage Tank
UUSCOs	Unrestricted Use Soil Cleanup Objectives
VOC	Volatile Organic Compound
VFD	Variable Frequency Drive
VMP	Vacuum Monitoring Point

EXECUTIVE SUMMARY

The Site has been remediated to achieve a dual Track 2/Track 4 restricted residential cleanup. Table T1 provides a summary of the controls implemented for the Site, as well as the inspections, monitoring, maintenance, and reporting activities required by this Site Management Plan.

Table T1
Site Management Plan Summary

Site Identification	BCP Site No. C224234 Atlantic Chestnut – Lot 1 250 Euclid Avenue, Brooklyn, New York
Institutional Controls (ICs)	1. The Site may be used for restricted residential, commercial, or industrial uses.
	2. All ECs must be operated and maintained as specified in this SMP.
	3. All ECs must be inspected at a frequency and in a manner defined in the SMP.
	4. The use of groundwater underlying the Site is prohibited without necessary water quality treatment as determined by NYSDOH to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from NYSDEC.
	5. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP.
	6. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP.
	7. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP.
	8. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP.
	9. Access to the Site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.
	10. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2a, and any potential impacts that are identified must be monitored or mitigated.
	11. In-ground vegetable gardens and farming on the Site are prohibited.
Engineering Controls (ECs)	Sub-Slab Depressurization System (SSDS)
	Soil Vapor Extraction (SVE) System
	Groundwater Treatment Program [In-Situ Chemical Oxidation (ISCO)]
	Site Cover System (Track 4 area of Site only)
Inspections*	**Frequency**
SSDS Inspection	Quarterly
SVE System	Quarterly
ISCO Injection and Monitoring Well Network	Quarterly
Site Cover Inspection	Annually

Table T1
Site Management Plan Summary

Site Identification	BCP Site No. C224234 Atlantic Chestnut – Lot 1 250 Euclid Avenue, Brooklyn, New York
Monitoring	**Frequency**
SSDS	Monthly (by Building Personnel); Annually (by QEP/PE)
SVE System	Quarterly
Groundwater Monitoring	Quarterly for a minimum of 2 years following initial ISCO injection. Frequency thereafter will be determined upon consultation and approval by NYSDEC.
Site Cover Inspection	Annually
Maintenance	**Frequency**
SSDS	As Required to maintain integrity/function
SVE System	As Required to maintain integrity/function
ISCO Injection and Monitoring Well Network	As required to maintain integrity/function
Cover System Maintenance	As Required to maintain integrity/function
Reporting	**Frequency**
Quarterly Media Monitoring Report	Quarterly – Next Report Due March 2023
Periodic Review Report	16 months after receipt of Certificate of Completion (COC); Annually thereafter

Note: * - Annual inspections must be performed by a Remedial Engineer or their designated representative and certified during subsequent reporting to NYSDEC.

1.0 INTRODUCTION

1.1 General

This Site Management Plan (SMP) was prepared on behalf of Atlantic Chestnut Affordable Housing LLC, Atlantic Chestnut I Housing Development Fund Corporation, and Atlantic Chestnut I Associates L.P. as an element of the remedial program for the Atlantic Chestnut – Lot 1 site located at 250 Euclid Avenue in the East New York neighborhood of Brooklyn, New York (hereinafter referred to as the "Site"). The Site is identified on the New York City Tax Map as Brooklyn Borough Tax Block 4143, Lot 1. Historically, Lot 1 encompassed the entirety of Block 4143. The New York City Department of Finance (NYCDOF) issued a tax lot apportionment in January 2016 to support the redevelopment of the Site, which redefined Lot 1 as Lots 1, 2, and 3.

Atlantic Chestnut Affordable Housing LLC entered into a Brownfield Cleanup Agreement (BCA) (BCA Index No. C224234-05-16) with the New York State Department of Environmental Conservation (NYSDEC or the Department) on May 26, 2016 as a Volunteer. A BCA Amendment was issued in February 2022, which documented the change of address from 3264 Fulton Street to 250 Euclid Avenue, added Atlantic Chestnut I Associates L.P. and Atlantic Chestnut I Housing Development Fund Corporation as Requestors/Volunteers, documented the change of ownership from Atlantic Chestnut Affordable Housing LLC to Atlantic Chestnut I Housing Development Fund Corporation, and provided proof that the Site is an affordable housing project. A second BCA Amendment was issued in October 2022, which added Atlantic Chestnut I Associates L.P. as a beneficial owner of the Site. A Site Location map is provided as Figure 1. A figure showing the boundaries of the Site is provided as Figure 2a.

After completion of the remedial work described in the Remedial Action Work Plan (RAWP), some contamination was left at the Site, which is hereafter referred to as "remaining contamination." Institutional and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to remaining contamination, thereby ensuring protection of public health and the environment. An Environmental Easement (EE) has been granted to NYSDEC and recorded with the NYC Office of the City County Register of the City of New York on December 29. 2022 (Kings County Recording Identifier number for the filing is CFRN 2022000464417), which will require compliance with this SMP and all Engineering Controls (ECs) and Institutional Controls (ICs) placed on the Site.

This SMP was prepared to manage the remaining contamination, and remedial elements at the Site until the EE is extinguished in accordance with New York State Environmental Conservation Law (ECL) Article 71, Title 36. This plan has been approved by NYSDEC, and compliance with this plan is required by the grantor of the EE, and the grantor's successors and assigns. This SMP may be revised only with the approval of NYSDEC.

It is important to note that:

1. This SMP details the site-specific implementation procedures that are required by the EE. Failure to properly implement the SMP is a violation of the EE, which is grounds for revocation of the Certificate of Completion (COC); and
2. Failure to comply with this SMP is also a violation of ECL, 6 New York Codes, Rules, and Regulations (NYCRR) Part 375, and the BCA (Index No. C224234-05-16; Site No. C224234) for the Site, and thereby subject to applicable penalties.

All reports associated with the Site can be viewed by contacting NYSDEC or its successor agency managing environmental issues in New York State. A list of contacts for persons involved with the Site is provided in In-Text Tables T2 and T3 of this SMP.

This SMP was prepared by AKRF, Inc. (AKRF) on behalf of the Volunteer in accordance with the requirements of NYSDEC's DER-10 (Technical Guidance for Site Investigation and Remediation), dated May 2010, and the guidelines provided by NYSDEC. This SMP addresses the means for implementing the ICs and ECs that are required by the EE for the Site.

1.2 Revisions

Revisions to this plan will be proposed in writing to the NYSDEC's project manager. NYSDEC can also make changes to the SMP or request revisions from the remedial party. Revisions will be necessary upon, but not limited to, the following occurring: a change in media monitoring requirements, upgrades to or shutdown of a remedial system, post-remedial removal of contaminated sediment or soil, or other significant change to the Site conditions. In accordance with the Environmental Easement for the Site, the NYSDEC project manager will provide a notice of any approved changes to the SMP and append these notices to the SMP retained in its files.

1.3 Notifications

Notifications will be submitted by the property owner to the NYSDEC, as needed, in accordance with NYSDEC's DER – 10 for the following reasons:

1. 60-day advance notice of any proposed changes in site use that are required under the terms of the BCA, 6 NYCRR Part 375 and/or Environmental Conservation Law.
2. 7-day advance notice of any field activity associated with the remedial program.
3. 15-day advance notice of any proposed ground-intrusive activity pursuant to the Excavation Work Plan (EWP).
4. Notice within 48 hours of any damage or defect to the foundation, structures or EC that reduces or has the potential to reduce the effectiveness of an EC, and likewise, any action to be taken to mitigate the damage or defect.
5. Notice within 48 hours of any non-routine maintenance activities.
6. Verbal notice by noon of the following day of any emergency, such as a fire, flood, or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the Site, with written confirmation within 7 days that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.
7. Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action submitted to the NYSDEC within 45 days describing and documenting actions taken to restore the effectiveness of the ECs.

Any change in the ownership of the Site or the responsibility for implementing this SMP will include the following notifications:

1. At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser/Remedial Party has been provided with a copy of the NYSDEC Order on Consent and all approved work plans and reports, including this SMP.
2. Within 15 days after the transfer of all or part of the Site, the new owner's name, contact representative, and contact information will be confirmed in writing to the NYSDEC.

In-Text Table T2 includes contact information for these notifications. The information on this table will be updated as necessary to provide accurate contact information. A full listing of site-related contact information is provided in In-Text Table T3.

Table T2
NYSDEC/NYSDOH Notifications*

Regulator	Contact Name	Contact Title	Notification**	Contact Number	Contact Email
NYSDEC	Manfred Magloire	Project Manager	All Notifications	(718) 482-4078	manfred.magloire@dec.ny.gov
	Cris-Sandra Maycock	Section Chief	All Notifications	(718) 482-4679	Cris-sandra.maycock@dec.ny.gov
	Kelly Lewandowski	Chief, Site Control	Notifications 1 and 8	518-402-9553	Kelly.lewandowski@dec.ny.gov
NYSDOH	Stephen Lawrence	Project Manager	Notifications 4, 6, and 7	(518) 402-0450	stephen.lawrence@health.ny.gov

Notes: *Notifications are subject to change and will be updated as necessary.
**Numbers in this column reference the numbered bullets in the notification list in this section.

Table T3
Site Contact List

Company	Individual Name	Title	Contact Number	Contact Email
AKRF	Deborah Shapiro, QEP	Principal	646-388-9544 (office)	dshapiro@akrf.com
	Michelle Lapin, P.E.	Remedial Engineer	646-388-9520 (office)	mlapin@akrf.com
	Eric Park	Project Manager	646-388-9532 (office)	epark@akrf.com
	Amy Jordan	Project Manager Alternate	646-388-9864 (office)	ajordan@akrf.com
	Marco Balletta	Field Team Leader	646-270-7195 (cell)	mballetta@akrf.com
Atlantic Chestnut Affordable Housing LLC, Atlantic Chestnut I Associates L.P., and Atlantic Chestnut I Housing Development Fund Corporation	Michael Wadman	Volunteer's Representative	646-388-8260 (office)	mwadman@phippsny.org

2.0 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

2.1 Site Location and Description

The Site is located in Kings County, New York and is identified as Brooklyn Block 4143, Lot 1 on the New York City Tax Map. Historically, Lot 1 encompassed the entirety of Block 4143; the New York City Department of Finance (NYCDOF) issued a tax lot apportionment in January 2016, which redefined former Lot 1 as Lots 1, 2, and 3. The Site is zoned as M1-4 (manufacturing) with an R8A (residential) equivalent.

A boundary map is attached to the BCA, as required by Environmental Conservation Law (ECL) Title 14 Section 27-1419. The Site is fully described in the Metes and Bounds, provided as Appendix A. A Site Location map is provided as Figure 1 and a Site Plan is provided as Figure 2a.

Historic records indicate that the Site was developed with residences and a road in 1887 and with industrial and manufacturing uses, including the Columbia Machine Works and Malleable Iron Company, the Columbia Cable and Electric Corporation, Blue Ridge Farms, Inc., and Chloe Foods Corp., between 1908 and 2012. Blue Ridge Farms, Inc. and Chloe Foods Corp. are listed on multiple federal and state databases. Prior uses that appear to have led to Site contamination include blacksmithing and stamping, a brass foundry, wood working, a blacksmith, a machine shop, tank and engine rooms, an iron works, wire braiding, and cable manufacturing. The Site has remained vacant since a July 2012 fire caused severe structural damage to the former Site buildings on the southern portion of the Site. Demolition of the Site buildings was completed as part of the remedial action between July and December 2016. Past owners of Block 4143, Lot 1 include: Columbia Electric Realty, Inc. in 1980; Avnal, Inc. from 1980 to 1984; Blue Ridge Farms, Inc. from 1984 to 2004; 3301 Atlantic Avenue, LLC from 2004 to 2013; Sapphire Luxury Estates, LLC from 2013 to 2014; Atlantic Chestnut, LLC from 2014 to 2015; Atlantic Chestnut Affordable Housing, LLC from 2015 to June 2021; and Atlantic Chestnut I Housing Development Fund Corporation from June 2021 to present.

2.2 Physical Setting

2.2.1 Land Use

The Site consists of a 14-story mixed-use building (under construction) comprising approximately 415,000 gross square feet of residential and commercial space. The building contains two partial cellars on the eastern and western portions of the Site; crawl spaces on the northern, northwestern, and southern portions of the Site; and an approximately 17,300-square foot central exterior courtyard. The building includes: approximately 2,000 square feet of residential amenities; approximately 19,500 square feet of retail space; four affordable residential units on the ground floor; and 399 affordable residential units on the 2nd through 14th floors. In addition to residential units, the 9th floor has roof access and community space.

The Site is located within the Cypress Hills/East New York Brownfield Opportunity Area (BOA). The objectives of the BOA include expanding affordable housing, creating green manufacturing opportunities, and improving access to public transit and open space. The proposed Site uses are consistent with the Cypress Hills/East New York BOA objectives.

2.2.2 Geology

Prior to development, the stratigraphy of the Site, from the surface down, generally consisted of fill material comprising sand, silt, and gravel with little amounts of concrete, brick, asphalt, and coal ash to varying depths up to approximately 12 feet below surface grade, underlain by apparent native sand, silt, gravel and clay up to 110 feet below surface grade. According to geologic maps of the area, bedrock is expected to be in excess of 300 feet below surface grade at the Site and surrounding area.

2.2.3 Hydrogeology

Based on Site-specific groundwater measurements, groundwater beneath the Site ranges from approximately 8.6 feet to 8.7 feet NGVD, or approximately 30 feet below sidewalk grade. Based on groundwater measurements at the Site and the south-adjacent lots [Atlantic Chestnut – Lot 2 (BCP Site No. C224235) and Atlantic Chestnut – Lot 3 (BCP Site No. C223236)], depth to groundwater ranges from approximately 8.0 feet to 8.7 feet NGVD on the Site block. Groundwater flows in a southerly direction beneath the Site and south-adjacent lots.

2.3 Investigation and Remedial History

The following narrative provides a remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones for the Site. Full titles for each of the reports referenced below are provided in Section 8 – References.

Subsurface Investigation Report – Blue Ridge Farms, 3301 Atlantic Avenue, 84 Dinsmore Place, and 111 Dinsmore Place, Brooklyn, New York, AKRF, Inc. (AKRF), May 2001

AKRF conducted a Site Investigation (SI) of a larger area including the Site in May 2001. At the time of this investigation, the Site was developed with food processing and storage buildings. The SI included the performance of a geophysical survey across exterior portions of the Site and the advancement of four soil borings with the collection and analysis of soil samples, and the installation of temporary groundwater monitoring wells with the collection and analysis of groundwater samples. The scope of the investigation was based on a December 2000 Phase I Environmental Site Assessment (ESA) of the Site by IVI Environmental, Inc.

Due to reinforced concrete across the Site, the geophysical survey was inconclusive. Soil consisted of fill material (brick, concrete, asphalt, clay, silt, sand, and gravel) up to 6 feet below grade, underlain by native soil (sand, gravel, silt, and clay) to 16 feet below grade. Groundwater was encountered at approximately 32 feet below grade.

Petroleum-related VOCs and the SVOC naphthalene were detected above NYSDEC Recommended Soil Cleanup Objectives (RSCOs) listed in the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) in the soil samples collected, the applicable soil cleanup objectives at the time of the investigation. Solvent and petroleum-related VOCs and metals were detected above AWQSGVs in the groundwater sample collected from the south-adjacent property. VOCs were detected above AWQSGVs in pre- and post- process water samples. Based on elevated PID detections and laboratory analytical data from the soil borings surrounding the on-site tank system, Spill No. 0101620 was assigned to the historic address 3301 Atlantic Avenue.

AKRF recommended the preparation of a work plan to be submitted to the NYSDEC to further delineate, excavate, and dispose of petroleum-contaminated soil at the south-adjacent property to close Spill No. 0101620.

Phase I Environmental Site Assessment (ESA) – 3301 Atlantic Avenue, 3238 Fulton Street, 226-296 Euclid Avenue, and 215-279 Chestnut Street, Brooklyn, New York, Property Solutions, Inc. (PSI), June 2010

PSI conducted a Phase I ESA of a larger area including the Site in April 2014. The Phase I ESA identified historical uses at the Site including: a machine and iron works facility, an electrical cable manufacturer, and a food processing plant; records indicating that five USTs were previously located on the Site; and Historic Recognized Environmental Conditions (HRECs) at the Site, including the Site's listing in the Leaking Underground Storage Tank (LUST) and Spills databases. PSI recommended conducting an SI, including a geophysical survey, to investigate the potential impacts associated with historic operations and fuel oil storage at the Site.

Asbestos Investigation and Bulk Sample/Laboratory Analysis – 3301 Atlantic Avenue, Brooklyn, New York, Safety Environmental, Co. of NY, Inc. (Safety), July 2013

Safety conducted an asbestos survey of the buildings located on the southern portion of the Site and south-adjacent to the Site in July 2013. A total of 131 samples were collected for laboratory analysis from on- and off-site portions of the building. Asbestos-containing material (ACM) was identified within the former buildings at the following locations: boiler No. 4 door insulation, boiler No. 3 caulking, first floor pipe insulation, roof transite shingles, roof membranes, roof flashing, and roof vent membranes. Safety recommended removal of all ACM prior to demolition of the former Site buildings.

Phase I Environmental Site Assessment (ESA) Report – 3301 Atlantic Avenue (Block 4143, Lot 1), Brooklyn, New York, Legette, Brashears, & Graham, Inc. (LBG), March 2014

LBG conducted a Phase I ESA of the Site and the south-adjoining lots in April 2014. The Phase I ESA identified Recognized Environmental Conditions (RECs) associated with former uses at the Site, including: blacksmithing and stamping, a machine and iron works shop, an electric cable manufacturer, a gasoline filling station, and listings in the Spills database. The report noted the following de Minimis conditions: nearby hazardous materials/waste storage, use, or releases; and the potential presence of ACM, lead based paint (LBP), and fluorescent lighting at the Site. LBG recommended that any contaminated soil discovered during redevelopment of the Site should be handled according to applicable federal, state, and local regulations.

Chain of Title Summary Report – 3301 Atlantic Avenue and 242 Chestnut Street, Brooklyn, New York, Phipps Houses, 2015

A Chain of Title Summary Report was compiled by Phipps Houses, which outlined ownership of the Site and south-adjacent and nearby properties between 2004 and 2015. The report showed the transfer of ownership from Blue Ridge Farms, Inc. to 3301 Atlantic Avenue, LLC in May 2004; from 3301 Atlantic Avenue, LLC to Sapphire Luxury Estates, LLC in July 2013; a foreclosure and sale judgement for the Site and north-adjacent properties to be sold at public auction in September 2013; and an agreement for assignment of rights and claims from Blue Ridge Farms, Inc. to 3301 Atlantic Partners, LLC in March 2014.

Phase I Environmental Site Assessment (ESA) Report – 3301 Atlantic Avenue and 242 Chestnut Street, Brooklyn, New York, AKRF, Inc. (AKRF), September 2015

AKRF conducted a Phase I ESA of a larger area including the Site in September 2015. The Phase I ESA identified the following RECs at the Site:

- Historic on-site industrial operations, including the Columbia Machine Works and Malleable Iron Company, and the Columbia Cable and Electric Corporation. It was concluded that

undocumented releases from historic industrial uses may have affected subsurface conditions at the Site.

- The address 3301 Atlantic Avenue was formerly associated with the entirety of Block 4143. At the time of the Phase I ESA, 3301 Atlantic Avenue was listed in the following databases: petroleum bulk storage (PBS) database for the storage of several USTs and ASTs; Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); chemical bulk storage (CBS); Spill database for Spill No. 0101620; Toxic Release Inventory System (TRIS); and Air Discharge Facility (ADF) databases. It was reported that these listings may have been related to the Site and/or south-adjoining property(ies).
- The former interconnected factory buildings were damaged by a fire in 2012. Abundant debris, including metal, wood, and ash were observed throughout the buildings during the Site inspection. Based on the documented storage of petroleum and chemicals, it was concluded that undocumented discharges due to the fire may have affected subsurface conditions at the Site, including high concentrations of metals and SVOCs in the ash.
- Two July 2013 Asbestos Reports identified ACM throughout the former building interiors and on exterior built-up roofing materials. Interior and exterior building materials were observed to be in fair to poor condition, with the majority of the eastern portion of the former Site buildings damaged by fire. Observed painted surfaces were generally in fair to poor condition. Based on the age of the former Site buildings, it was concluded that LBP may have been present and the fluorescent lighting fixtures and remaining electrical equipment may have contained mercury and/or PCBs. No evidence of leaks or stains from these fixtures and equipment was observed; however, it was noted that releases may have occurred during the fire that were not able to be investigated due to inaccessibility and/or debris throughout the Site buildings.

AKRF recommended an SI to characterize subsurface conditions of soil, groundwater, and soil vapor at the Site prior to redevelopment.

Subsurface (Phase II) Investigation Report – 3264 Fulton Street, Brooklyn, New York, AKRF, Inc. (AKRF), January 2016

AKRF conducted an SI at the Site in December 2015. The SI included the advancement of three soil borings with the collection and laboratory analysis of six soil samples; the installation of one temporary, one-inch diameter PVC groundwater monitoring well at one of the boring locations with the collection and laboratory analysis of one groundwater sample; and the installation of one temporary soil vapor point with the collection and laboratory analysis of one soil vapor sample. An ambient air sample was collected for comparison purposes. The scope of the investigation was based on the findings of AKRF's September 2015 Phase I ESA.

Soil beneath the Site consisted of fill material (sand, gravel, silt, concrete, brick, ash, and asphalt) to depths up to approximately 11 feet below grade, underlain by apparent native soil (sand and gravel) up to 40 feet below grade (the extent of the soil borings). Groundwater was encountered at approximately 30 feet below grade.

The VOC trichloroethylene (TCE) was detected in two soil samples at concentrations above its UUSCO. Arsenic, copper, lead, and zinc were detected in soil samples at concentrations above respective UUSCOs and/or RRSCOs. The VOC chloroform was detected in the groundwater sample at a concentration slightly above its TOGS. Sodium was detected in the unfiltered and filtered groundwater sample at concentrations above its TOGS. VOCs associated with petroleum were detected in soil vapor samples at individual concentrations up to 161 micrograms per cubic meter (µg/m3). Solvent-related VOCs were detected at individual concentrations up to 903 µg/m3.

AKRF concluded that the soil, groundwater, and soil vapor contaminants appear to be associated with former industrial operations at the Site.

Remedial Investigation (RI) Work Plan (RIWP) – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc. (AKRF), November 2016

AKRF prepared an RIWP in November 2016 based on the results of previous environmental investigations. The proposed scope of work detailed in the RIWP included: the performance of a geophysical survey across accessible portions of the Site; advancement of 14 soil borings with continuous sample collection and laboratory analysis of two to three soil samples per boring; installation of five groundwater monitoring wells with the collection and analysis of five groundwater samples, and the installation of seven temporary soil vapor points with the collection and analysis of seven soil vapor samples and one ambient air sample. The RIWP included a QAPP and a HASP. The RIWP was approved in a November 30, 2016 NYSDEC-issued letter.

Remedial Investigation (RI) Report (RIR) – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc. (AKRF), April 2017

AKRF conducted an RI at the Site in December 2016 in accordance with the NYSDEC-approved November 2016 RIWP. The RI included: the performance of a geophysical survey across accessible portions of the Site; the advancement of 14 soil borings and the collection of 26 soil samples for chemical analysis; the installation of 5 permanent, 2-inch diameter groundwater monitoring wells and the collection of 5 groundwater samples for chemical analysis; the installation of 6 temporary soil vapor probes across the Site and the collection of 6 soil vapor samples and one ambient air samples for chemical analysis; and the survey of groundwater monitoring well elevations on the Site and south-adjoining lots to develop Site-specific and local groundwater contour maps to determine groundwater flow beneath the Site and surrounding area.

The stratigraphy of the Site, from the surface down, generally consisted of fill comprising sand, silt, gravel, concrete, brick, and metal up to a maximum depth of 6 feet below grade, underlain by apparent native sand with varying amounts of gravel and silt to boring termination depths (up to 35 feet below grade). Groundwater was encountered at depths ranging from approximately 30.5 feet to 32.7 feet below sidewalk grade, or 8.6 to 8.7 feet above national geodetic vertical datum (NGVD), an approximate of mean sea level, in groundwater monitoring wells on the northern and southern portions of the Site, respectively. Based on the well elevation survey, groundwater flows in a southerly direction beneath the Site and surrounding area.

The RIR concluded that contaminated soil, groundwater, and soil vapor present at the Site were likely attributable to historic Site usage, including industrial and manufacturing uses. The presence of copper, hexavalent chromium, lead, mercury, and zinc in shallow fill and the elevated detections of PAHs in soil/fill were attributed to historic filling, undocumented discharges due to a fire in 2012, and/or historic operations at the Site. The presence of petroleum-related compounds in soil vapor were likely related to the former storage tanks and/or historic Site usage. The presence of the chlorinated solvent-related compounds TCE (in soil, groundwater, and soil vapor), PCE (in groundwater and soil vapor), chloroform (in groundwater), and carbon tetrachloride (in soil vapor) were likely related to the historic manufacturing operations at the Site.

Remedial Design Investigation Work Plan – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc. (AKRF), April 2017

AKRF prepared an RDIWP in April 2017. The RDIWP was prepared to further delineate known soil and groundwater contamination at the Site to aid in the design of the remedy. The RDIWP included: the advancement of 22 soil borings with continuous soil sampling from surface grade to boring termination depths with the laboratory analysis of soil samples from each boring; installation

of 4 nested groundwater monitoring wells with the collection and laboratory analysis of 12 groundwater samples from the newly installed wells and from the 5 groundwater wells installed during the RI; and the performance of a groundwater monitoring well elevation and location survey. The RDIWP was approved by NYSDEC on July 3, 2017.

NYSDEC Request to Commence Quarterly Groundwater Elevation Gauging – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc., May 2018

On May 14, 2018, NYSDEC issued a letter requiring: the collection of groundwater elevation measurements from the shallow, intermediate, and deep groundwater monitoring wells located on-site; and generation of groundwater contour flow maps on a quarterly basis at the Site and south-adjoining BCP sites [Atlantic Chestnut – Lot 2 (BCP Site No. C224235), and Atlantic Chestnut – Lot 3 (BCP Site No. C224236)]. The purpose of the gauging was to monitor groundwater flow direction beneath the Site block until commencement of the remedy to determine whether precipitation infiltrating through cracks in the former building foundation slabs (the former Site cap) influenced groundwater flow direction.

Interim Remedial Measure Work Plan (IRMWP) – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc., July 2018

AKRF prepared an IRMWP in July 2018. The IRMWP was prepared to address the potential for off-site migration of soil vapor until the selected remedy is implemented under a NYSDEC-approved RAWP. The IRMWP was approved by NYSDEC on July 2, 2018.

Soil/Fill Waste Classification Report – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc., March 2019

AKRF prepared a Soil/Fill Waste Classification Report in March 2019. The Soil/Fill Waste Classification Report documented the sampling and laboratory analytical data for in-situ soil waste classification sampling conducted by AKRF on August 11, 2017 and December 26 and 27, 2018. The sampling was performed to obtain representative analytical data from the subsurface soil/fill that will be excavated and disposed of during remediation. The report was intended to be used as a supplement to applications for disposal approval at facilities considering accepting Site soil/fill.

Draft Interim Remedial Measure Report (IRMR) – Atlantic Chestnut – Lots 1,2, and 3, 3264 Fulton Street, 254 Euclid Avenue, and 275 Chestnut Street, Brooklyn, New York, AKRF, Inc., September 2019

AKRF prepared a Draft IRMR for the Site and two south-adjoining lots (BCP Site Nos. C224235 and C224236) in September 2019. The Draft IRMR was prepared to describe the installation, startup, and operation of the IRM SVES. The report summarized fieldwork, including a pilot study, and SVE well and vapor monitoring point installation, system startup, vapor sampling, and long-term system monitoring. The Draft IRMR included three Operation, Maintenance, and Monitoring (OM&M) Plans (one for each BCP site) as appendices, which provide directions for operation and maintenance of the SVES.

Request to Reduce Quarterly Groundwater Elevation Gauging – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc., October 2019

AKRF conducted gauging events on July 9, 2018 (2018 Q3), November 12, 2018 (2018 Q4), February 11, 2019 (2019 Q1), May 13, 2019 (2019 Q2), and August 12, 2019 (2019 Q3). Based on the consistent groundwater elevations and flow direction measured between July 2018 and August 2019, AKRF submitted an October 15, 2019 letter requesting a reduction of the groundwater elevation gauging requirements from quarterly to semi-annually to be conducted in the second and fourth quarters of each year. NYSDEC approved the request in a letter dated December 19, 2019.

Remedial Design Investigation Report – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc., February 2020

AKRF prepared an RDIR in February 2020. The RDI was conducted in accordance with the NYSDEC-approved RDIWP and included: the advancement of 23 soil borings with continuous soil sampling from surface grade to boring termination depths with the laboratory analysis of 92 soil samples; installation of 4 nested groundwater monitoring wells with the collection and laboratory analysis of 12 groundwater samples from the newly installed wells and from the 5 groundwater wells installed during the RI; and the performance of a groundwater monitoring well elevation and location survey. Lithological and hydrological observations made during the RDI was consistent with observations made during the RI.

The conclusions of the RDIR were consistent with the findings made in the RIR. Soil/fill sampling identified the greatest concentrations of TCE were detected in on the southern portion of the Site from shallow soil to the groundwater interface, encountered at approximately 30 feet below surface grade. CVOCs were detected at concentrations above respective UUSCOs, RRSCOs, and PGWSCOs; and SVOCs and metals were detected at concentrations above UUSCOs and/or RRSCOs up to approximately 30 feet below grade. The horizontal extent of the TCE groundwater plume corresponds to the extent of the TCE contamination in soil, with the greatest concentrations detected on the south-central portion of the Site. TCE concentrations decreased significantly vertically, with no exceedances of TOGS standards in the intermediate- and deep-screened wells. PCE and chloroform were also detected at concentrations above their respective TOGS in shallow groundwater on the southern and northern portions of the Site, respectively.

Remedial Action Work Plan – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc., February 2020

AKRF prepared a RAWP that outlined the remedial activities and cleanup objectives for the Site. The RAWP proposed a Track 4 remedy, which included the excavation and removal of soil/fill to 2 feet below ground surface (bgs) across the Site plus deeper excavation in source areas where CVOCs were detected above RRSCOs and PGWSCOs. In addition, the RAWP included excavation and removal of any USTs and associated piping encountered during the excavation in accordance with applicable federal, state, and local laws and regulations, as defined by 6 NYCRR Part 375-6.8. The remedy also included the implementation of ICs/ECs, including the installation of an active sub-slab depressurization system (SSDS), soil vapor extraction (SVE) system, and groundwater treatment program.

RAWP approval and the NYSDEC Decision Document were both issued in April 2020.

Request to Reduce Semi-Annual Groundwater Elevation Gauging – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc., March 2021

AKRF conducted the requisite semi-annual gauging events on November 11, 2019 (2019 Q4), May 11, 2020 (2020 Q2), and November 2020 (2020 Q4). In a March 16, 2021 letter, AKRF requested termination of the quarterly groundwater gauging based on consistent data and the installation, operation, and maintenance of a perimeter SVE system (discussed in Section 3.1). The results of the gauging indicated that groundwater elevations remained consistent between gauging events, and groundwater flow was consistent in a southerly direction. Although natural seasonal fluctuations were evident, infiltration did not appear to affect groundwater flow direction beneath the Site block. The request was approved by NYSDEC in a March 22, 2021 letter.

Groundwater Treatment In-Situ Design Document – Atlantic Chestnut – Lot 1, 250 Euclid Avenue, Brooklyn, New York, AKRF, Inc., April 2021

AKRF prepared a Groundwater Treatment System ISDD in April 2021, which presented the design for a groundwater treatment system on the southern portion of the Site to treat concentrations of CVOCs above AWQSGVs after excavation of source material in soil. The design included 13 injection wells manifolded aboveground and included baseline and post-treatment sampling and monitoring requirements. The design document was approved by NYSDEC in a June 29, 2021 letter.

Construction Completion Report – Atlantic Chestnut – Lots 1, 2, and 3 - 250 Euclid Avenue, 254 Euclid Avenue, and 275 Chestnut Street, Brooklyn, New York, AKRF, Inc., August 2022

AKRF prepared an IRM Construction Completion Report (CCR) to describe interim remedial SVE systems installed at Lots 1, 2, and 3 to address the potential for off-site migration of soil vapor until source removal under the NYSDEC-approved RAWP could commence. The Lot 1 IRM SVE was installed in accordance with a dedicated IRM Work Plan (IRMWP) dated July 2018. The CCR detailed the installation, startup, operation, maintenance, and shutdown of the Lot 1 IRM SVE system. In March 2021, the northern and eastern portions of the SVES on Lot 1 were shut down and dismantled to facilitate waste classification sampling and the western portion remained operational until the start of remedial construction in July 2021.

Phase I Environmental Site Assessment (ESA) Report – 250 Euclid Avenue, Brooklyn, New York, AKRF, Inc. (AKRF), May 2021

AKRF conducted a Phase I ESA the Site in May 2021. The Phase I ESA identified the following RECs at the Site:

- The Property was developed with industrial and manufacturing buildings between 1908 and 2016, including the Columbia Machine Works and Malleable Iron Company, the Columbia Cable and Electric Corporation, Blue Ridge Farms, Inc., and Chloe Foods Corp. These companies used the Property for blacksmithing and stamping, a brass foundry, wood working, a machine shop, tank and engine rooms, an iron works, wire braiding, cable manufacturing, and food processing. Former operations on the Property used oil-burning boilers, which were located on the northwestern portion of the Property. At least eight tank vents were present on the northeastern portion of the former Property building during building operations, as shown on the September 2011 through October 2014 Google Street View photography. AKRF's 2015 Phase I ESA of the Property and south adjoining lots indicated the presence of a vent pipe and fill port on the northwestern exterior building façade along Chestnut Street, and a gasoline tank was shown on the central portion of the Property on Sanborn maps from 1928 to 2007.
- Former addresses associated with the Site (3264 Fulton Street) and the Site block (3301 Atlantic Avenue) were listed on multiple federal and state databases under the names Blue Ridge Farms, Blue Ridge Farms, LLC, Blue Ridge Foods LLC, and Chloe Foods, including: Superfund Enterprise Management System (SEMS), Petroleum Bulk Storage (PBS), Chemical Bulk Storage (CBS), Spills, and Air Facility System. The 2015 Phase I ESA prepared by AKRF for the Site (and south-adjoining lots) identified the following additional listings: USEPA Facility, Summary, and Compliance Reporting Systems [Integrated Compliance Information System (ICIS)]; Toxic Release Inventory Site (TRIS), New York State Facility Information System (FIS), and Risk Management Plan (RMP). The Site was also listed with a hazardous materials E-Designation under the jurisdiction of the New York City Office of Environmental Remediation (NYCOER). While some of the listings may pertain to the south-adjoining lots

and not the Site itself, uses associated with these listings may have affected subsurface conditions at the Site.

- Environmental investigations conducted at the Site identified historic fill, and contamination in soil/fill, groundwater, and soil vapor across the Site. The primary contaminants of concern included chlorinated volatile organic compounds (CVOCs), primarily trichloroethylene (TCE) and tetrachloroethylene (PCE), polycyclic aromatic hydrocarbons (PAHs), and metals in soil/fill; CVOCs in groundwater; and CVOC-, refrigerant-, and petroleum-related compounds in soil vapor. Based on the results of a January 2016 Subsurface (Phase II) Investigation Report, the Site was enrolled in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) (Atlantic Chestnut – Lot 1; Site No. C224234) and was deemed a significant threat to human health based on the potential for off-site migration of contaminated soil vapor to enter nearby structures. The User of the Report was listed as the BCP Applicant and was deemed a "Volunteer" by NYSDEC under the BCP. Remedial measures including an SVE system was observed operating at the Site.
- Properties adjacent to and nearby the Site were used for various automotive, industrial, manufacturing, and dry-cleaning uses since circa the 1940s. Several nearby properties, including the two south-adjoining parcels on the Site block [Atlantic Chestnut – Lot 2 (BCP Site No. C224235) and BCP Site Atlantic Chestnut – Lot 3 (BCP Site No. C224236)] were listed in various regulatory databases with listings with soil, groundwater, and soil vapor contamination.

AKRF recommended: the tank listings detailed in the Phase I should be updated to reflect the accurate status and address of the tanks. Construction and remedial activities on the Site should proceed in accordance with the RAWP and DD, and should be completed to the satisfaction of NYSDEC, NYSDOH, and NYCOER. AKRF also recommended the requirements of the hazardous materials, air quality, and noise E-Designations should be addressed to the satisfaction of NYCOER and all construction/redevelopment activities should comply with applicable regulations of local agencies.

Soil Vapor Extraction System In-Situ Design Document – Atlantic Chestnut – Lot 1, 250 Euclid Avenue, Brooklyn, New York, AKRF, Inc., June 2022

AKRF prepared a Soil Vapor Extraction System ISDD in June 2022, which presented the design for a soil vapor extraction system to treat concentrations of CVOCs above PGWSCOs in soil that were unable to be excavated. The design included two extraction wells manifolded belowground and routed to an equipment room on the southeastern portion of the Site in the building cellar. The design document was approved by NYSDEC in an August 2022 letter.

Contingency Groundwater Treatment In-Situ Design Document – Atlantic Chestnut – Lot 1, 250 Euclid Avenue, Brooklyn, New York, AKRF, Inc., September 2022

AKRF prepared a Contingency Groundwater Treatment System ISDD in September 2022, which presented the design for a groundwater treatment system on the southern portion of the Site to treat any remaining concentrations of CVOCs above AWQSGVs after implementation of the remedy. The design included 3 injection wells manifolded in an equipment room on the southeastern portion of the Site in the building cellar.

Remedy Addendum Letter – Atlantic Chestnut – Lot 1, 250 Euclid Avenue, Brooklyn, New York, AKRF, Inc., October 2022

AKRF prepared a Remedy Addendum Letter (RAL) in August 2022. The RAL summarized additional soil analytical data collected after selection and approval of a Track 4 remedy for the

Site, which indicates that a dual Track 2/Track 4 remedy was achieved. The additional data required the off-site disposal of soil containing hazardous concentrations of CVOCs across the southern and central portions of the Site.

The RAL was approved by NYSDEC on November 7, 2022.

2.4 Remedial Action Objectives

The Remedial Action Objectives (RAOs) for the Site based on the results of the SI, RI, and RDI are as follows:

Soil

RAOs for Public Health Protection:

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminants soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater contamination.

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-release conditions, to the extent practicable.
- Remove the source of groundwater contamination.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a Site.
- Prevent the off-site migration of contaminants in soil vapor.

2.5 Summary of Remedial Actions

Remedial actions were performed at the Site in accordance with the NYSDEC-approved RAWP dated February 2020, the Decision Document dated April 2, 2020, the RAL dated October 2022, and all applicable federal, state, and local rules and regulations. Remedial activities were completed on September 30, 2022.

The Remedial Actions performed at the Site included:

1. Installation of support of excavation (SOE) necessary to enable excavation of contaminated soil.
2. Excavation and proper management of on-site soil that exceeded the RRSCOs in the upper 2 feet and soils exceeding the PGWSCOs for CVOCs between 2 and 19 feet below grade (refer

to Figure 2a for the extent of remedial excavation). Approximately 34,350 tons of soil were excavated as part of the remedial activities.

3. Removal of one 10,000-gallon AST during building demolition.
4. Removal of two USTs (one 550-gallon gasoline tank and one 250-gallon waste/used oil tank) and related contaminated soil during remedial excavation.
5. Off-site disposal of all soil/fill removed from the Site in accordance with all federal, state, and local rules and regulations for handling, transport, and disposal.
6. Import and on-site placement of 6,430 tons of approved clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) to replace the excavated soil and/or establish the designed development grades as necessary.
7. Collection and analysis of 269 confirmation samples and 14 documentation samples that included site-wide, tank, and hotspot/area of concern endpoint samples across the Site. The sampling was conducted in accordance with Section 5.4 of DER-10.
8. Installation of an active sub-slab depressurization system (SSDS) below the new building foundation to prevent vapor intrusion into the proposed building. The SSDS will be operational prior to building occupancy.
9. Installation and operation of a soil vapor extraction (SVE) system on the south-central portion of the Site to remediate soil with CVOCs above the PGWSCOs at soil boring L1-RI/RDI-SB-11 (Track 4 portion) that could not be feasibly excavated and disposed of off-site.
10. Implementation of an in-situ groundwater treatment program that included one in-situ chemical oxidation (ISCO) injection event conducted in January 2022 to reduce contaminant concentrations in groundwater on the south-central portion of the Site to meet AWQSGVs, and installation of an ISCO system on the south-central portion of the Site, which shall be used in the event that post-remediation groundwater contaminant concentrations do not achieve the remedial action objectives.
11. Installation of post-remedial groundwater monitoring wells and groundwater monitoring to confirm attainment of the remedial action objectives with respect to groundwater contamination.
12. Recording of an Environmental Easement (EE) against the property to implement certain Institutional Controls (ICs), including: requiring the remedial parties/Site owners to complete and submit a periodic certification of ICs and Engineering Controls (ECs) to the Department; allowing the use and development of the controlled property for Restricted Residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws; restricting the use of groundwater as a source of potable or process water without necessary water quality treatment, as determined by NYSDOH; and requiring compliance with a Site-specific NYSDEC-approved SMP.

    Preparation of an SMP for long term management of remaining contamination as required by the EE, including plans for: (1) ICs and ECs, (2) monitoring, (3) operation and maintenance, and (4) reporting.

2.6 Remaining Contamination

The achieved remedy is a dual Track 2/Track 4 cleanup; therefore, contamination remains in the subsurface at the Site. Endpoint samples were collected to document the remaining contamination and confirm removal of source material. Sample locations are shown on Figure 3. All endpoint

sample results were compared to UUSCOs and RRSCOs, and PGWSCOs for CVOCs, as shown in Attached Tables 1 through 12. Remaining contamination in groundwater is included on Tables 13 and 14.

2.6.1 Soil

Soil quality was characterized during previous investigations prior to entering the BCP, and during the RI, RDI, and hazardous waste delineation/waste classification sampling conducted as part of the BCP. Following the completion of the soil excavation and removal, endpoint soil sampling (Site-wide and area of concern sampling) was conducted throughout the Site at the bottom of the remedial excavation. Site-wide sidewall samples could not be collected due to the presence of the SOE; however, area of concern sidewall samples were collected where feasible.

Results of the soil endpoint samples indicated that soil exceeding the Track 2 RRSCOs was generally removed Site-wide, except for the following samples in the Track 4 area that contained PAHs and/or metals above UUSCOs and/or RRSCOs: L1-EP-46X (blind duplicate of L1-EP-46), L1-EP-55, L1-EP-56 and its blind duplicate L1-EP-56X, L1-EP-57, L1-EP-59, L1-EP-70, and L1-EP-71. In addition, two samples collected during the RI and RDI containing concentrations of CVOCs above PGWSCOs [L1-RI-SB-11(21-23)20171115 and L1-RDI-SB-11(31-32)20161121], and one sample [L1-SI-SB-9(14-15)] collected during the SI containing a concentration of arsenic above its RRSCO, located within the Track 4 area, were unable to be excavated during remedial activities. The Track 4 remedial area is shown on Figure 2a and on the survey provided in Appendix A. Concentrations in soil above PGWSCOs (for CVOCs only) and/or RRSCOs are shown on Figure 3.

As further discussed in the following sections, an SVE system was installed on the south-central portion of the Site: one well (L1-RA-SVE-02) was installed at the location of borings L1-RI/RDI-SB-11 and one well (L1-RA-SVE-01) was installed to the northwest to provide an overlapping vacuum radius of influence (ROI).

Analytical results for all soil samples remaining at the Site after the completion of the Remedial Action that exceeded the PGWSCOs and RRSCOs are identified in In-Text Table T4. Figure 3 shows the locations of soil samples at the Site after the completion of the Remedial Action that exceeded the PGWSCOs and RRSCOs. The analytical results from the confirmation and documentation samples are provided in Attached Tables 4 through 7, 8, and 9 through 12, respectively. Remaining soil exceeding UUSCOs is presented on Figure 3. The laboratory reports and DUSRs for the data, and endpoint sample survey are included in Appendix I.

Table T4
Exceedances of PGWSCOs, UUSCOs, and/or RRSCOs

Chemical Name	Sample	UUSCO (mg/kg)	RRSCO (mg/kg)	PGWSCO (mg/kg)	Concentration (mg/kg)
Arsenic	L1-SI-SB-9(14-15)	16	13	N/A	27
Cadmium	L1-UST-2E_4_20211217	2.5	4.3	N/A	3.1
Copper	L1-EP-46X_9_20211229	50	270	N/A	50.8
	L1-EP-55_3_20220118				75.8
	L1-EP-56_3_20220118				100
	L1-EP-56X_3_20220118				93.6

Table T4
Exceedances of PGWSCOs, UUSCOs, and/or RRSCOs

Chemical Name	Sample	UUSCO (mg/kg)	RRSCO (mg/kg)	PGWSCO (mg/kg)	Concentration (mg/kg)
Copper (continued)	L1-EP-57_3_20220118	50	270	N/A	219
	L1-EP-59_4_20220118				159
	L1-EP-70_4_20220301				78.1
	L1-EP-71_4_20220301				66.7
	L1-UST-1B_8_20220125				150
	L1-UST-1BX_8_20220125				173
	L1-UST-1E_5_20211216				123
	L1-UST-1N_5_20211216				114
	L1-UST-1NX_5_20211216				73.3
	L1-UST-1S_5_20211216				154
	L1-UST-2B_5_20211217				65.8
	L1-UST-2E_4_20211217				208
	L1-UST-2N_4_20211217				96.5
	L1-UST-2S_4_20211217				70.9
	L1-UST-2W_4_20211217				120
	L1-UST-2WX_4_20211217				99.4
Lead	L1-EP-57_3_20220118	63	400	N/A	99.9
	L1-UST-1B_8_20220125				71.3 J
	L1-UST-1BX_8_20220125				124 J
	L1-UST-1N_5_20211216				89.2 J
	L1-UST-1S_5_20211216				89.5
	L1-UST-2B_5_20211217				74.1
	L1-UST-2E_4_20211217				181
	L1-UST-2N_4_20211217				85.4
	L1-UST-2S_4_20211217				68.7
	L1-UST-2WX_4_20211217				72.7
Manganese	L1-EP-56X_3_20220118	1,600	2,000	N/A	1,620 J
Mercury	L1-UST-2E_4_20211217	0.18	0.18	N/A	0.19
Zinc	L1-EP-55_3_20220118	109	10,000	N/A	343
	L1-EP-56_3_20220118				197
	L1-EP-56X_3_20220118				224
	L1-EP-57_3_20220118				219
	L1-EP-59_4_20220118				123
	L1-EP-70_4_20220301				144
	L1-UST-1B_8_20220125				242
	L1-UST-1BX_8_20220125				254
	L1-UST-1N_5_20211216				191 JL
	L1-UST-1NX_5_20211216				194 JL

Table T4
Exceedances of PGWSCOs, UUSCOs, and/or RRSCOs

Chemical Name	Sample	UUSCO (mg/kg)	RRSCO (mg/kg)	PGWSCO (mg/kg)	Concentration (mg/kg)
Zinc (continued)	L1-UST-1S_5_20211216	109	10,000	N/A	128
	L1-UST-2B_5_20211217				1,280
	L1-UST-2E_4_20211217				9,320
	L1-UST-2N_4_20211217				896
	L1-UST-2S_4_20211217				648
	L1-UST-2W_4_20211217				328
	L1-UST-2WX_4_20211217				575
Benzo(a)Anthracene	L1-UST-1BX_8_20220125	1	1	N/A	2.3 J
	L1-UST-2B_5_20211217				11 D
	L1-UST-2E_4_20211217				26 D
	L1-UST-2N_4_20211217				5.7
	L1-UST-2S_4_20211217				21 D
	L1-UST-2W_4_20211217				3.1
	L1-UST-2WX_4_20211217				4.1
Benzo(a)Pyrene	L1-UST-1BX_8_20220125	1	1	N/A	2 J
	L1-UST-2B_5_20211217				9.1 D
	L1-UST-2E_4_20211217				22 D
	L1-UST-2N_4_20211217				4.9
	L1-UST-2S_4_20211217				16 D
	L1-UST-2W_4_20211217				2.5
	L1-UST-2WX_4_20211217				3.5
Benzo(b)Fluoranthene	L1-UST-1BX_8_20220125	1	1	N/A	2.8 J
	L1-UST-1N_5_20211216				1.2
	L1-UST-2B_5_20211217				13 D
	L1-UST-2E_4_20211217				32 D
	L1-UST-2N_4_20211217				6.5
	L1-UST-2S_4_20211217				22 D
	L1-UST-2W_4_20211217				3.9
	L1-UST-2WX_4_20211217				5.1
Benzo(k)Fluoranthene	L1-UST-1BX_8_20220125	0.8	3.9	N/A	1.1 J
	L1-UST-2B_5_20211217				4.7 D
	L1-UST-2E_4_20211217				10 D
	L1-UST-2N_4_20211217				2.8
	L1-UST-2S_4_20211217				7.5
	L1-UST-2W_4_20211217				1.2
	L1-UST-2WX_4_20211217				1.8

Table T4
Exceedances of PGWSCOs, UUSCOs, and/or RRSCOs

Chemical Name	Sample	UUSCO (mg/kg)	RRSCO (mg/kg)	PGWSCO (mg/kg)	Concentration (mg/kg)
Chrysene	L1-UST-1BX_8_20220125	1	3.9	N/A	2.2 J
	L1-UST-2B_5_20211217				9.9 D
	L1-UST-2E_4_20211217				23 D
	L1-UST-2N_4_20211217				5.4
	L1-UST-2S_4_20211217				17 D
	L1-UST-2W_4_20211217				2.9
	L1-UST-2WX_4_20211217				4
Dibenz(a,h)Anthracene	L1-UST-1BX_8_20220125	0.33	0.33	N/A	0.38 J
	L1-UST-2B_5_20211217				1.7
	L1-UST-2E_4_20211217				3.6
	L1-UST-2N_4_20211217				0.87
	L1-UST-2S_4_20211217				2.6
	L1-UST-2W_4_20211217				0.45
	L1-UST-2WX_4_20211217				0.61
Indeno(1,2,3-c,d)Pyrene	L1-EP-57_3_20220118	0.5	0.5	N/A	0.53
	L1-EP-59_4_20220118				0.57
	L1-UST-1B_8_20220125				0.51 JK
	L1-UST-1BX_8_20220125				1.3 JK
	L1-UST-1N_5_20211216				0.62 JK
	L1-UST-2B_5_20211217				6.9
	L1-UST-2E_4_20211217				19 D
	L1-UST-2N_4_20211217				3.7
	L1-UST-2S_4_20211217				13 D
	L1-UST-2W_4_20211217				2
	L1-UST-2WX_4_20211217				2.5
Acetone	L1-EP-45_8_20211228	0.05	100	N/A	0.074
	L1-EP-70_4_20220301				0.065
Benzene	L1-UST-1E_5_20211216	0.06	4.8	N/A	0.17
	L1-UST-1N_5_20211216				0.13 JK
	L1-UST-1NX_5_20211216				0.33 JK
	L1-UST-1S_5_20211216				0.094
Tetrachloroethylene	L1-RI-SB-11(21-23)20171115	0.47	21	0.47	16.6 D
	L1-RDI-SB-11(31-32)20161121				2.26 D

2.6.2 Groundwater

Groundwater quality was characterized during investigations prior to entering the BCP and during the RI and RDI conducted as part of the BCP. TCE was detected at a maximum concentration of 130 micrograms per liter (µg/L) in monitoring well L1-RI-MW-prior to

the remedial action. Groundwater concentrations from the Remedial Investigations are shown on Figure 4.

An In-Situ Chemical Oxidation (ISCO) program consisting of the injection of sodium permanganate was selected and approved by NYSDEC, as summarized in the RAWP and DD. In accordance with AKRF's April 30, 2021 Groundwater Treatment Design Report, which was approved in a NYSDEC-issued letter dated June 29, 2021, AKRF and its subcontractor ISOTEC conducted groundwater injections between January 18 and 20, 2022. The treatment area was an approximately 1,900-square foot area south of L1-RDI-MW-7, east of L1-RI-MW-6, west of L1-RDI-MW-8, and north of the southern Site boundary.

The injection event was completed in January 2022 after excavation of the top 15 feet of overburden in the treatment area. A 6.7% sodium permanganate solution was injected via 13 temporary points on a 7-foot ROI installed using rotary drilling techniques into the top 10 feet of the saturated zone, at depths ranging from approximately 28 to 38 feet below approximate sidewalk grade. Approximately 555 gallons of $NaMnO_4$ was injected into each of the 13 injections wells, using approximately 800 pounds of the reagent, totaling approximately 7,215 gallons and 10,400 pounds used during the injection process. During the treatment program, AKRF recorded the injection intervals and the volume of sodium permanganate solution injected at each injection point.

Post-injection sampling events were conducted on February 22 and 23, 2022, April 20 and 21, 2022, and September 15 and 16, 2022. The results of the sampling identified TCE in groundwater sample L1-RA-MW-05R_20220421 and its blind duplicate sample L1-RA-MW-X05_20220421 collected from monitoring well L1-RA-MW-05R during the 3-month post injection sampling event at concentrations of 18 µg/L, above its AWQSGV of 5 µg/L. No other CVOC exceedances of AWQSGVs were detected during the baseline, 1-, 3, or 6-month sampling events. The pre-remediation and post-remediation concentrations of CVOCs are provided in Attached Tables 9 and 10, respectively. Concentrations of TCE and its breakdown products in groundwater before and after groundwater treatment are shown on Figure 4.

Groundwater use at the Site is also subject to the ICs documented within the Environmental Easement and is restricted for use as a source of potable or process water without necessary water quality treatment as determined by NYSDOH.

2.6.3 Sub-Slab Soil Vapor

Based on the findings of the RI and RDI, contaminated soil vapor remains at the Site (see Figure 5 for remaining soil vapor data). The contaminated soil vapor will be treated by the SVE system and the vapor mitigation system, which consists of an active SSDS installed below the entire building footprint (see Figures 6a and 6b for details) to prevent vapor intrusion into the new building.

3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN

3.1 General

Since remaining contamination exists at the Site, ICs and ECs are required to protect human health and the environment. This IC/EC Plan describes the procedures for the implementation and management of all ICs/ECs at the Site. The IC/EC Plan is one component of the SMP and is subject to revision by the NYSDEC project manager.

This plan provides:

- A description of all ICs/ECs on the Site;
- The basic implementation and intended role of each IC/EC;
- A description of the key components of the ICs set forth in the Environmental Easement;
- A description of the controls to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of ICs/ECs, such as the implementation of the EWP (provided in Appendix C) for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the Site; and
- Any other provisions necessary to identify or establish methods for implementing the ICs/ECs required by the Site remedy, as determined by the NYSDEC project manager.

3.2 Institutional Controls

A series of ICs is required by the Decision Document to: (1) implement, maintain and monitor EC systems; (2) prevent future exposure to remaining contamination; and (3) limit the use and development of the Site to restricted residential, commercial, and/or industrial uses only. Adherence to these ICs on the Site is required by the Environmental Easement and will be implemented under this SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The IC boundaries are shown on Figure 2a. These ICs are:

- The Site may be used for restricted residential, commercial or industrial uses;
- All ECs must be operated and maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the Site is prohibited without necessary water quality treatment as determined by NYSDOH to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from NYSDEC;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;

- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
- Access to the Site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2a, and any potential impacts that are identified must be monitored or mitigated; and
- In-ground vegetable gardens and farming on the Site are prohibited.

3.3 Engineering Controls

The Controlled Property (the Site) includes four primary ECs. The ECs are (1) an SSDS; (2) a soil vapor extraction system (SVES); (3) contingency in-situ groundwater treatment; and (4) a Site cover system.

3.3.1 Active Sub-Slab Depressurization System (SSDS)

An active SSDS was installed beneath occupied portions of the building and will be operated to mitigate the potential for vapor intrusion into the new building. The SSDS applies negative pressure beneath the building slab. The SSDS was not installed beneath the central portion of the Site at the open air exterior courtyard. SSDS effluent vapors are exhausted to the atmosphere via discharge stacks.

The SSDS layout is shown on Figure 6A. A preliminary proposed process and instrumentation diagram (P&ID) for the SSDS is provided as Figure 6B. Appendix B contains the as-built SSDS design details. The major components of the SSDS include:

1. Five 0.02-inch slotted and solid, 4-inch diameter Schedule 40 polyvinyl chloride (PVC) pipe lengths (L1-VR-1A, L1-VR-1B, L1-VR-1C, L1-VR-1D, and L1-VR-1E) beneath the northern crawlspace building slabs and beneath the western partial cellar and crawlspace building slabs;
2. Four 0.02-inch slotted, 4-inch diameter Schedule 40 PVC pipe sections (L1-VR-2A, L1-VR-2B, L1-VR-2C, and L1-VR-2D) beneath the southern crawlspace building slab and beneath the eastern partial cellar slab;
3. Communication and pipe sleeves through concrete foundation elements;
4. A minimum 6-inch-thick gas-permeable aggregate stratum underlain by a non-woven geotextile fabric beneath the entire SSDS treatment area;
5. Two sub-slab condensate drains installed on lines L1-VR-1A and L1-VR-1B;
6. Four vacuum monitoring points (VMPs), L1-MP-01 through L1-MP-04, installed beneath the building slabs;
7. A vapor barrier (Drago Wrap® and Grace Bituthene® 3000) installed over the full extent of the building slab and on subsurface foundation walls;
8. Two pipe manifolds, which combine L1-VR-1A through VR-1E into a 6-inch galvanized streel riser pipe (L1-VR-1), in the northwestern portion of the Site, and L1-VR-2A through L1-VR-2D into a 6-inch galvanized steel riser pipe (L1-VR-2) in the southeastern portion of the Site; and

9. Riser pipes VR-1 and VR-2, which extend from the manifolds to the 3rd and 5th floor roofs, respectively.

The follow SSDS components will be installed as the new building envelope is constructed:

1. Two roof-mounted fans (L1-SF-1 and L1-SF-2);
2. Two 10-foot tall, 6-inch diameter galvanized steel rooftop exhaust stacks fitted with rain caps;
3. Accessories, including cleanouts, sample ports, vacuum indicators/pressure gauges, flow meters, butterfly valves, and differential pressure switches; and
4. A control panel equipped with a local alarm station to notify select personnel of alarm conditions.

Installation details and revised as-built drawings will be prepared and included in the inaugural PRR.

Startup testing of the SSDS will be conducted upon completion of the system installation and shall comprise measurement of induced vacuum readings at the SSDS monitoring points and triggering of the low vacuum alarm.

Procedures for monitoring the SSDS are included in the Monitoring Plan (Section 4 of this SMP). Procedures for operating and maintaining the SSDS are documented in the Operation and Maintenance Plan (Section 5 of this SMP). The Monitoring Plan also addresses severe condition inspections in the event that a severe condition occurs, which may affect controls at the Site.

3.3.2 Soil Vapor Extraction (SVE) System

An SVE system consisting of two SVE wells was installed on the south-central portion of the Site to remove CVOC contaminant mass in deeper soil that could not be excavated. The two SVE wells were screened from 15 to 28 feet below grade at each well location. Based on pilot testing conducted as part of the IRM, each SVE well is expected to have a lateral radius of influence (ROI) of approximately 35 feet and will operate at an approximate air flow rate of 95 inches of water (in H_2O) and 400 cubic feet per minute (cfm).

The target area for the SVES is the vadose zone (unsaturated soil above the groundwater table) on the south-central portion of the Site. SVE well L1-SVE-02 was installed at the approximate location of soil boring L1-RI-SB-11/L1-RDI-SB-11 where subsurface soil sampling identified concentrations of TCE in soil above its PGWSCO at depths up to 32 feet below surface grade. SVE well SVE-01 was installed northwest of SVE-02 to provide overlapping ROIs across the south-central portion of the Site where contaminant mass in soil and groundwater was historically detected at the greatest concentrations (to date, the only CVOC concentrations above PGWSCOs is at historic soil boring L1-RI-SB-11/L1-RDI-SB-11). The contaminated vapor extracted from the SVE wells will be treated using a granular activated carbon (GAC) system and discharged to the atmosphere in accordance with the emission requirements set forth in 6NYCRR Part 212.

The SVES Plan showing the locations of the system components and SVES P&ID showing the primary system components are provided as Figures 7A, and 7B, respectively. Appendix B contains the as-built SVE system design details.

The SVES installed consists of:

1. Two 4-inch diameter SVE wells (L1-RA-SVE-01 and L1-RA-SVE-02) constructed with 10 feet of screen directly above the observed groundwater interface on the south-central portion of the Site and 4-inch diameter SVE wells screened above the groundwater table around the Site perimeter.
2. 4-inch diameter solid PVC piping connecting the SVE wells from the subsurface to the building interior.
3. A manifold, which combines the two SVE lines into a single 6-inch diameter CPVC pipe (L1-VR-3) on the southeastern portion of the Site.
4. A vertical riser (L1-VR-3) consisting of a 6-inch galvanized steel pipe extending from the equipment room to the 5th floor roof.
5. Accessories on the individual SVE lines, including throttling valves, sample ports, vacuum/pressure gauges, air flow rate gauges, temperature sensors, reducers, unions, etc., to be confirmed during final design and installation.
6. One SVE blower, with a variable-frequency drive (VFD) to throttle blower operation to appropriate conditions (vacuum and air flow rate).
7. A control panel equipped with a telemetry system to notify select personnel of alarm conditions.
8. A GAC vapor treatment unit comprising two 400-pound carbon units in series.
9. One 10-foot tall, 6-inch diameter galvanized steel rooftop exhaust stack fitted with a rain cap.
10. Communication and pipe sleeves, and Sonotubes through concrete foundation elements.

Procedures for monitoring the SVE system are included in the Monitoring Plan (Section 4 of this SMP). Procedures for operating and maintaining the SVE system are documented in the Operation and Maintenance Plan (Section 5 of this SMP). The Monitoring Plan also addresses severe condition inspections in the event that a severe condition occurs, which may affect controls at the Site.

3.4 ISCO System

An In-Situ Chemical Oxidation (ISCO) program consisting of the injection of sodium permanganate was selected and approved by NYSDEC, as summarized in the RAWP and DD. In accordance with AKRF's April 30, 2021 Groundwater Treatment Design Report, which was approved in a NYSDEC-issued letter dated June 29, 2021, AKRF and its subcontractor ISOTEC conducted groundwater injections. The treatment area included an approximately 1,900-square foot area on the south-central portion of the Site. TCE was detected at a maximum concentration of 130 micrograms per liter (µg/L) in monitoring well L1-RI-MW-5 pre-treatment during the December 2016 groundwater sampling event.

The injections were completed between January 18 and 20, 2022 as a one-time event after excavation of the top 15 feet of overburden in the treatment area. A 6.7% sodium permanganate solution was injected via 13 temporary points on a 7-foot ROI installed using rotary drilling techniques into the top 10 feet of the saturated zone, at depths ranging from approximately 28 to 38 feet below approximate sidewalk grade. Approximately 555 gallons of $NaMnO_4$ was injected

into each of the 13 injections wells, using approximately 800 pounds of the reagent, totaling approximately 7,215 gallons and 10,400 pounds used during the injection process. During the treatment program, AKRF recorded the injection intervals and the volume of sodium permanganate solution injected at each injection point.

Baseline, and 1-, 3-, and 6-month post-injection events were completed in 2022. As the treatment area is underneath the site cover and the building foundation slab limits accessibility to the injection area, a permanent groundwater treatment system was installed in the event that additional injection event(s) were necessary to achieve RAOs for groundwater.

If deemed necessary by post-injection groundwater monitoring results, subsequent polishing treatment round(s) will be implemented using the network of permanent injection points that were installed within the proposed new building foundation. The groundwater treatment will occur in accordance with applicable federal, state, and local laws and guidelines, including proper notification of relevant governmental and regulatory agencies.

The contingency ISCO system was proposed in the Contingency Groundwater Treatment In-Situ Design Document (ISDD), provided in Appendix B, and comprises the following components:

1. Three permanent injection wells comprising 2-inch diameter, 10-foot long, 20-slot milled PVC well screen installed directly below the groundwater interface.
2. Underground conveyance tubing comprising dedicated 1-inch schedule 40 HDPE piping installed beneath the crawlspace slab, and into an equipment room in the southeastern portion of the building's eastern partial cellar.
3. Aboveground tubing stubbed up within the building cellar to be connected, if necessary, in the future, to a manifold comprising individual line valves, threaded caps, flow meters, pressure gauges, and totalizers to control and document injection parameters during any potential future injection event.

As-built drawings of ISCO System Site Plan, signed and sealed by a P.E., is provided in Figure 8A and system details are provided in Figure 8B. Procedures for operating and maintaining the Contingency ISCO System are documented in the Operation and Maintenance Plan (Section 5.0 of this SMP). Complete details on the contingency injection system are included in the ISDD, provided in Appendix B.

3.4.1 Monitoring Wells Associated with ISCO Treatment

Five monitoring wells have been installed within and downgradient of the source area in the south portion of the site to assess the effectiveness of the ISCO treatment. These monitoring wells are considered part of the Contingency ISCO System EC. The monitoring well network is illustrated on Figure 8A.

Procedures for monitoring the ISCO treatment wells are documented in the Monitoring and Sampling Plan (Section 4.0 of this SMP).

3.5 Media Monitoring Program

Post-remediation groundwater monitoring will continue, as specified in this SMP.

3.5.1 Groundwater Monitoring

The Site includes a network of five monitoring wells located in the vicinity of the ISCO treatment zone. The location of all monitoring wells, including injection wells and recovery wells, are shown on Figure 8A.

Table T5
Groundwater Monitoring Well Details

Monitoring Well	Coordinates	Elevation (NAVD88)
LI-RDI-MW-05R	41°32'21.2225", -065°22'11.1000"	37.1
LI-RDI-MW-06R	41°32'20.9466", -065°22'12.6912"	35.7
L1-RA-MW-07R	41°32'22.1247", -065°22'10.7316"	39.9
L1-RA-MW-08R2	41°32'21.2397", -065°22'09.2259"	39.4
L1-RA-MW-09R	41°32'19.8684", -065°22'10.4914"	40.7

Groundwater monitoring will be performed quarterly for the first 2 years following initial ISCO injection, and thereafter at a frequency approved by NYSDEC to assess the performance of the remedy.

3.6 Site Cover System

A site cover system was installed in the Track 4 portion of the Site to prevent direct contact with any residual contaminated soil. The Site cover system comprises the following elements: (1) concrete building elements overlaying soil such as sidewalks, and pathways, and concrete foundation elements (such as crawl space/basement slabs, and foundation walls) with a minimum 20-mil vapor barrier/waterproofing membrane ; and (2) a minimum two-foot clean soil layer with a demarcation barrier in all landscaped and non-covered areas. The Site cover system plan is provided as Figure 2b.

The Site cover system is a permanent control and the quality and integrity of the system will be inspected at defined, regular intervals in perpetuity. Site cover system maintenance and inspection requirements are discussed in Section 4.

An Excavation Work Plan is included as an appendix to this SMP (Appendix C) to outline the procedures to be followed in the event that the Site cover system is breached and any underlying residual contamination is disturbed in the future.

3.7 Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when monitoring indicates that the remedy has achieved the RAOs identified by the Decision Document. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC DER-10. Unless waived by NYSDEC, confirmation samples of applicable environmental media are required before terminating any remedial actions at the Site. Confirmation samples require Category B deliverables and a Data Usability Summary Report (DUSR).

As discussed below, the NYSDEC may approve termination of a groundwater monitoring program. When a remedial party receives this approval, the remedial party will decommission all Site-related monitoring, injection, and recovery wells as per the NYSDEC CP-43 policy.

3.7.1 SSDS

The SSDS will not be discontinued unless prior written approval is granted by the NYSDEC and NYSDOH project managers. If monitoring data indicates that the SSDS may no longer be required, a proposal to discontinue the SSDS will be submitted by the remedial party to the NYSDEC and NYSDOH project managers.

The SSDS will remain in operation as designed until a soil vapor intrusion assessment is conducted to assess soil vapor and indoor air conditions at the Site. Protocol for such a sampling event would be outlined in a request letter to NYSDEC.

3.7.2 SVE System

The SVE system will not be discontinued unless prior written approval is granted by the NYSDEC project manager. In the event that monitoring data indicates that the SVE system may no longer be required, a proposal to discontinue the system will be submitted by the remedial party to the NYSDEC project manager. Conditions that warrant discontinuing the SVE system include contaminant concentrations in soil vapor from the SVE system that: (1) reach levels that are consistently below NYSDOH Vapor Intrusion Guidance Matrix Values, (2) have become asymptotic to a low level over an extended period of time as accepted by NYSDEC, or (3) NYSDEC has determined that the SVE system has reached the limit of its effectiveness. This assessment will be based in part on post-remediation contaminant levels in soil vapor collected from sampling ports installed on the SVE manifold legs. Systems will remain in place and operational until permission to discontinue their use is granted in writing by the NYSDEC project manager.

3.7.3 ISCO System

The ISCO system will not be decommissioned unless prior written approval is granted by the NYSDEC project manager. In the event that monitoring data indicates that the ISCO system may no longer be required, a proposal to remove the system will be submitted by the remedial party to the NYSDEC project manager. Conditions that warrant discontinuing the ISCO system include contaminant concentrations in groundwater that: (1) reach levels that are consistently below NYSDEC Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs), and/or (2) have become asymptotic to a low level over an extended period of time as accepted by NYSDEC. Systems will remain in place and operational until permission to discontinue their use is granted in writing by the NYSDEC project manager.

Monitoring Wells Associated with ISCO Treatment

Groundwater monitoring activities to assess the ISCO treatment effectiveness will continue, as determined by the NYSDEC project manager in consultation with NYSDOH project manager, until remaining groundwater concentrations are found to be consistently below AWQSGVs or the Site SCGs, or have become asymptotic at an acceptable level over an extended period. If monitoring data indicates that monitoring may no longer be required, a proposal to discontinue the remedy will be submitted by the remedial party. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC project manager. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional injections, source removal, treatment and/or control measures will be evaluated.

3.7.4 Site Cover System

The Site cover system is a permanent control for the Track 4 portion of the Site, and the quality and integrity of the system will be inspected at defined, regular intervals in accordance with this SMP in perpetuity.

4.0 MONITORING AND SAMPLING PLAN

4.1 General

This Monitoring and Sampling Plan describes the measures for evaluating the overall performance and effectiveness of the remedy. This Monitoring and Sampling Plan may only be revised with the approval of the NYSDEC project manager. Details regarding the sampling procedures, data quality usability objectives, analytical methods, etc. for all samples collected as part of site management for the Site are included in the Quality Assurance Project Plan (QAPP), provided in Appendix E.

This Monitoring and Sampling Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, soil vapor and soil);
- Assessing compliance with applicable NYSDEC standards, criteria, and guidance (SCGs), particularly groundwater standards and Part 375 SCOs for soil; and
- Evaluating Site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment.

To adequately address these issues, this Monitoring and Sampling Plan provides information on:

- Sampling locations, protocol, and frequency;
- Information on all designed monitoring systems;
- Analytical sampling program requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

Reporting requirements are provided in Section 7 of this SMP.

4.2 Site-Wide Inspection

Site-wide inspections will be performed at a minimum of once per year. These periodic inspections must be conducted when the ground surface is visible (i.e., no snow cover). Site-wide inspections will be performed by a qualified environmental professional (QEP) as defined in 6 NYCRR Part 375, a P.E. who is licensed and registered in New York State, or a qualified person who directly reports to a P.E. who is licensed and registered in New York State. Modification to the frequency or duration of the inspections will require approval from the NYSDEC project manager. Site-wide inspections will also be performed after all severe weather conditions that may affect ECs or monitoring devices. During these inspections, an inspection form will be completed, as provided in Appendix D – Site Management Forms. The form will compile sufficient information to assess the following:

- Compliance with all ICs, including Site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General Site conditions at the time of the inspection;
- Whether stormwater management systems, such as basins and outfalls, are working as designed;

- The site management activities being conducted, including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that Site records are up to date.

Inspections of all remedial components installed at the Site will be conducted. A comprehensive Site-wide inspection will be conducted and documented according to the SMP schedule, regardless of the frequency of the Periodic Review Report (PRR). The inspections will determine and document the following:

- Whether ECs continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the Environmental Easement;
- Achievement of remedial performance criteria; and
- If Site records are complete and up to date.

Reporting requirements are outlined in Section 7 of this SMP.

Inspections will also be performed in the event of an emergency. If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs that reduces or has the potential to reduce the effectiveness of ECs in place at the Site, verbal notice to the NYSDEC project manager must be given by noon of the following day. In addition, an inspection of the Site will be conducted within 5 days of the event to verify the effectiveness of the ICs/ECs implemented at the Site by a QEP, as defined in 6 NYCRR Part 375. Written confirmation must be provided to the NYSDEC project manager within 7 days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

Table T6
Monitoring/Inspection Schedule

EC Monitored	Frequency*	Location (s)	Matrix	Analysis
SSDS	Weekly during first month after initial startup, quarterly thereafter	Manifolds, vertical risers, monitoring points, fans	NA	System balancing, documentation of operating conditions Pressure/Vacuum Measurements from Monitoring Points; visual assessment of all VMPs
SVE System	Daily during first week after initial startup, weekly for the following three weeks after initial startup, quarterly thereafter	SVE equipment room - manifold, vertical riser, blower, carbon	Soil Vapor	System Balancing, Documentation of Operating Conditions; Carbon Pressure Reading, and PID Field Screening; visual assessment of SVE wells.

Table T6
Monitoring/Inspection Schedule

EC Monitored	Frequency*	Location (s)	Matrix	Analysis
SVE Carbon	Semi-annually for first year, annually thereafter	SVE carbon	Soil Vapor/ Indoor Air	Collection of Soil Vapor Samples for analysis of CVOCs by EPA Method TO-15, Visual Inspection of Equipment Conditions; Pressure/Vacuum Measurements
ISCO System	Annually	SVE equipment room	NA	Visual Inspection of Equipment Conditions; visual inspection of all groundwater monitoring wells
Groundwater Sampling	Quarterly for two years	Varies	Groundwater	Collection of Groundwater Samples for analysis of CVOCs by EPA Method 8260
Site Cover System	Annually	Lowest level floor slab and all exterior areas at Track 4 area of Site	NA	Visual Inspection of site cover

* The frequency of events will be conducted as specified until otherwise approved in writing by NYSDEC and NYSDOH

VOCs – Volatile Organic Compounds

4.2.1 SSDS

After the initial month of operation, during which inspections will be conducted weekly, the SSDS will be inspected on a quarterly basis. The inspections will consist of individual SSDS line gauge readings, fan and exhaust vent inspections, alarm checks, monitoring point readings.

A visual inspection of the complete system will be conducted during each monitoring event. Unscheduled inspections and/or sampling may take place when a suspected failure of the SSDS has been reported or an emergency occurs that is deemed likely to affect the operation of the system. SSDS components to be monitored include, but are not limited to, the components included in In-text Table T7 below.

Table T7
SSDS Monitoring Requirements and Schedule

Remedial System Component	Monitoring Parameter	Operating Range	Monitoring Schedule
Manifolds and Riser Pipes	Integrity, and operating conditions	See log sheets	Quarterly, and as necessary
Alarms	Integrity, and vacuum in riser	See log sheets	Quarterly, and as necessary
Monitoring Points	Integrity, and induced vacuum	$\geq$ -0.04 in. H_2O	Quarterly, and as necessary

A complete list of inspection requirements is provided in the inspection log sheets in Appendix D, and a complete list of components to be inspected is provided in the EC component manual in Appendix F. Any equipment that is observed to be malfunctioning maintenance and repair, as per the O&M Plan, would be conducted immediately.

4.2.2 SVE System

The SVE system will be inspected on a quarterly basis. After the initial month of operation, during which inspections will be conducted daily for the first week and weekly for the following three weeks, the SVE system will be inspected on a quarterly basis. The inspections will consist of individual extraction wellhead vacuum, flow rate, and PID readings; inspections of the blower and lead and lag carbon vessels; temperature, vacuum, flow rates, pressures, and PID readings of aboveground system components in the equipment room; alarm checks; and monitoring point readings.

A visual inspection of the complete system will be conducted during each monitoring event. Unscheduled inspections and/or sampling may take place when a suspected failure of the SVE system has been reported or an emergency occurs that is deemed likely to affect the operation of the system. SVE system components to be monitored include, but are not limited to, the components included in In-text Table T8:

Table T8
SVE Monitoring/Inspection Requirements and Schedule

Remedial System Component	Monitoring Parameter	Operating Range	Monitoring Schedule
Manifolds and Riser Pipes	Integrity, and operating conditions	See log sheets	Quarterly, and as necessary
Alarms	Vacuum in Riser	See log sheets	Quarterly, and as necessary
Lead and Lag Carbon Vessel Operation	Integrity, pressure, PID readings	See log sheets	Quarterly, and as necessary
SVE Vapor Sampling	TCL VOC laboratory analysis of SVE individual lines, and carbon influent, intermediate, effluent by EPA Method TO-15	See log sheets	Semi-annually for first year, annually/ as necessary thereafter

A complete list of inspection requirements is provided in the SVE inspection log provided in Appendix D, and a complete list of components to be inspected is provided in the EC component manual in Appendix F. Any equipment that is observed to be malfunctioning maintenance and repair, as per the O&M Plan, would be conducted immediately.

4.2.3 System Monitoring and Vapor Sampling

After the initial month of operation, the SVE system will be inspected on a quarterly basis. The inspections will consist of individual SVE line gauge readings, blower and carbon inspections, alarm checks, and monitoring point readings.

Sampling of the SVE wells, and carbon influent, intermediate, and effluent ports will be performed as identified in the SVE Monitoring/Inspection Schedule included as In-Text Table T12. Confirmatory extracted vapor sampling will be conducted following startup to reassess VOC emissions calculations, and to provide baseline VOC concentrations at the onset of system operation. Influent, intermediate, and effluent vapor samples will be collected using 1-Liter Tedlar® bags in accordance with the QAPP and analyzed for VOCs by EPA Method TO-15 by a NYSDOH-ELAP-certified laboratory. Additional sampling for scheduling of carbon change-outs will be conducted as described in Section 5.5.5.

All effluent vapor VOC concentrations will be compared to the NYSDEC Division of Air Resources publication Guidelines for the Evaluation and Control of Ambient Air Contaminants, February 12, 2021 (DAR-1), which simulates the atmospheric processes that disperse pollutants from an emissions source to predict concentrations at selected downwind receptor locations. The procedures in DAR-1 are used to model conservative, worst-case annual and short-term concentrations based on the laboratory analytical results and exhaust stack parameters to compare against the NYSDOH AGCs and SGCs.

4.2.4 Sampling Protocol

All sampling activities will be recorded by taking applicable notes in a field book and by collecting the readings listed on the sampling logs presented in Appendix D. Pertinent observations or Site conditions at the time of the sampling (e.g., monitoring point integrity, etc.) will also be noted on the sampling logs. One sampling log will be filled out for each monitoring point and will serve as the inspection form associated with the monitoring point network.

4.2.5 Groundwater Monitoring

The Site includes a network of five monitoring wells located in the vicinity of the ISCO treatment zone. The location of all monitoring wells, including injection wells and recovery wells, are shown on Figure 8A.

Groundwater monitoring will be performed quarterly for the first 2 years following initial ISCO injection, and thereafter at a frequency approved by NYSDEC to assess the performance of the remedy.

The network of groundwater monitoring wells selected for monitoring includes the plume area and downgradient locations to confirm overburden groundwater conditions at the Site.

Groundwater monitoring will continue as determined in consultation with NYSDEC until residual groundwater concentrations are found to be below NYSDEC standards or have become asymptotic over an extended period. In addition to sampling for lab analysis, the groundwater monitoring program will include gauging from all accessible monitoring

wells on a quarterly basis to confirm groundwater flow elevations and inferred groundwater flow direction in the overburden aquifer.

Groundwater Sampling Protocol

All monitoring well sampling activities will be recorded by taking applicable notes in a field book and by collecting the readings listed on the groundwater sampling field log presented in Appendix D. Pertinent observations or Site conditions at the time of the sampling (e.g., well integrity, etc.) will be noted on the well sampling log. One well sampling log will be filled out for each of the wells sampled and serve as the inspection form associated with the groundwater monitoring well network.

Groundwater samples will be collected using low flow sampling techniques as described in U.S. EPA's Ground-Water Sampling Guidelines for the collection of groundwater samples from monitoring wells. Sampling will be conducted according to the following procedures, and as detailed in the Quality Assurance Project Plan (QAPP) included as Appendix E:

- Slowly remove the access manhole and locking cap and immediately measure the vapor concentrations in the well with a PID calibrated to the manufacturer's specifications.
- Measure the depth to water and total well depth of all accessible monitoring wells prior to conducting any purging, and check for the presence of non-aqueous phase liquid (NAPL) using an oil/water interface probe. Measure the thickness of NAPL, if any, and record in field book and the well sampling field log. Groundwater samples will not be collected from wells containing measurable NAPL.
- Use the water level and total well depth measurements to calculate the length of the mid-point of the water column within the screened interval. For example, for a well where the total depth is 30 feet, screened interval is 20 to 30 feet, and depth to water is 24 feet, the mid-point of the water column within the screened interval would be 27 feet.
- For all wells requiring sampling under the approved monitoring program, connect dedicated tubing to a submersible bladder pump and lower the pump such that the intake of the pump is set at the mid-point of the water column within the screened interval of the well. Connect the discharge end of the tubing to the flow-through cell of a YSI multi-parameter (or equivalent) meter. Connect tubing to the output of the cell and place the discharge end of the tubing into a 5-gallon bucket.
- Activate the pump at the lowest flow rate setting of the pump.
- Measure the depth to water within the well. The pump flow rate may be increased such that the water level measurements do not change by more than 0.3 foot as compared to the initial static reading. The well-purging rate should be adjusted to produce a smooth, constant (laminar) flow rate and so as not to produce excessive turbulence in the well. The expected targeted purge rate will be approximately 0.5 liter/minute and will be no greater than 3.8 liters/minute.
- During purging, collect periodic samples and analyze for water quality indicators [e.g., turbidity, pH, temperature, dissolved oxygen (DO), reduction-oxidation potential (ORP), and specific conductivity] with measurements collected approximately every five minutes.

- Continue purging the well until turbidity is less than 50 NTU and water quality indicators have stabilized to the extent practicable. The criteria for stabilization will be three successive readings for the following low-flow groundwater stabilization parameters and criteria:

Parameter	Stabilization Criteria
pH	+/- 0.1 pH units
Specific Conductance	+/- 3% mS/cm
ORP/Eh	+/- 10mV
Turbidity	<50 NTU
Dissolved Oxygen	+/- 0.3 mg/l

Notes: mS/cm = millisievert per centimeter
mV = millivolts
NTU = nephthalometric turbidity units
mg/l = milligrams per liter

- If the water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, purging may be discontinued. Efforts to stabilize the water quality for the well must be recorded in the field book, and samples may then be collected as described herein.
- After purging, disconnect the tubing to the inlet of the flow-through cell. Collect groundwater samples directly from the discharge end of the tubing and place into the required sample containers as described in Section 4.2 of the QAPP. Label the containers as described in Section 4.9.2 of the QAPP and place in a chilled cooler.
- Collect one final field sample and analyze for turbidity and water quality parameters (pH, temperature, dissolved oxygen, reduction-oxidation potential, and specific conductivity).
- Once sampling is complete, remove the pump and/or tubing from the well. Dispose of the sample tubing and any associated PPE used for sampling in a 55-gallon drum designated for disposable sampling materials and PPE. The purge water will be managed as described in Section 3.4 of the QAPP included as Appendix E.
- Decontaminate the pump, oil/water interface probe, and flow-through cell, as described in Section 3.3 of the QAPP included as Appendix E.
- Record all measurements (depth to water, depth to NAPL, water quality parameters, turbidity), calculations (well volume), and observations in the project field book and the well sampling field log included in Appendix D.

These groundwater well sampling procedures will be adjusted to adhere to the NYSDEC guidance on sampling for emerging contaminants, as needed.

4.2.6 Monitoring Well Repairs, Replacement, and Decommissioning

If biofouling or silt accumulation occurs in the on-site and/or off-site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced, as necessary (as per the requirements of this Monitoring Plan), if an event renders the wells unusable.

Repairs and/or replacement of wells in the monitoring well network will be performed based on assessments of structural integrity and overall performance.

The NYSDEC will be notified prior to any repair or decommissioning of monitoring wells for the purpose of replacement, and the repair or decommissioning and replacement process will be documented in the subsequent Periodic Review Report. Well decommissioning without replacement will be done only with the prior approval of NYSDEC. Well abandonment will be performed in accordance with NYSDEC's CP-43: Groundwater Monitoring Well Decommissioning Policy. Monitoring wells that are decommissioned because they have been rendered unusable will be reinstalled in the nearest available location, unless otherwise approved by the NYSDEC.

4.2.7 Site Cover System

Monitoring of the Site cover system will occur on an annual basis as long as the Environmental Easement is in effect to ensure the system's integrity. Monitoring will consist of visual inspection, which shall evaluate the structural integrity of the concrete floor slab on the first floor, support columns into the floors and the wall joints.

If any cracks or openings are identified, they shall be screened for organic vapors with a photoionization detector (PID) and any readings shall be noted. In addition, any cracks or openings in the floor shall be properly sealed.

The results of the inspection will be included in the PRR. In addition, the Site cover system must be inspected and certified any time a disturbance in the system occurs. The inspection frequency is subject to change with the approval of the NYSDEC. Unscheduled inspections and/or sampling may take place when a suspected failure of the Site cover system has been reported or an emergency occurs that is deemed likely to affect the operation of the system.

A complete list of the components to be inspected is include in the Cover System inspection form in Appendix D.

4.2.8 Monitoring and Sampling Protocol

All sampling and analyses will be performed in accordance with the requirements of the QAPP prepared for the Site (Appendix E). Main Components of the QAPP include:

- Quality assurance/quality control (QA/QC) Objectives for Data Measurement;
- Sampling Program:
  - Samples will be collected into laboratory-supplied containers;
  - Sample holding times will be in accordance with the NYSDEC Analytical Services Protocol requirements; and
  - Field QC samples (e.g., trip blanks, coded field duplicates, and matrix spike/matrix spike duplicates) will be collected as necessary.
- Sample Tracking and Custody;
- Calibration Procedures:
  - All field analytical equipment will be calibrated immediately prior to each day's use and will follow all calibration procedures and schedules as specified in EPA SW-846 and subsequent updates that apply to the instruments used for the analytical method.
- Analytical Procedures;

- Preparation of a DUSR, which will present the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method;
- Internal QC and Checks;
- QA Performance and System Audits;
- Preventative Maintenance Procedures and Schedules; and
- Corrective Action Measures.

The monitoring of remedial systems must be conducted by a QEP as defined in 6 NYCRR Part 375, a P.E. who is licensed and registered in NYS, or a qualified person who directly reports to a P.E. who is licensed and registered in NYS.

Modification to the frequency or sampling requirements will require approval from the NYSDEC Project Manager.

5.0 OPERATION AND MAINTENANCE PLAN

5.1 General

This O&M Plan provides a brief description of the measures necessary to operate, monitor and maintain the mechanical components of the remedy selected for the Site. This O&M Plan:

1. Includes the procedures necessary to allow individuals unfamiliar with the Site to operate and maintain the active SSDS and SVE system; and
2. Will be updated periodically to reflect changes in Site conditions or themanner in which the active SSDS and SVE system are operated and maintained.

Further detail regarding the O&M of the active SSDS and SVE system are provided in the O&M Manual included as Appendix F. A copy of this O&M Manual, along with the complete SMP, is to be maintained at the Site. The O&M Plan is not to be used as a stand-alone document, but as a component document of this SMP.

5.2 Scope

Once completed, the SSDS and SVE system are designed to operate continuously, 24 hours a day, 7 days a week, 365 days a year, without any required adjustments or repairs beyond the routine maintenance items discussed in Sections 5.4.3 and 5.5.3, respectively. Manufacturers' specifications for each of the SSDS and SVE components (included in Appendix F) should be consulted prior to any repairs or adjustments that may become necessary. Regular system inspections, operation parameter documentation, and performance assessment guidelines are detailed in Sections 5.3 and 5.4 of this SMP.

5.3 Performance Criteria

An SSDS was installed at the Site to prevent the potential for vapor intrusion into the building and will operate continuously in conjunction with the SVE wells to treat residual CVOC-contaminated soil left in place at the Site. The SVE system began operating at the Site on September 30, 2022. The SSDS will be activated upon completion of the new building construction and prior to building occupancy. As-built drawings for the SSDS and SVE wells are included in Appendix B and the SSDS and SVE component manuals are included in Appendix F. Details pertaining to the performance monitoring of these ECs are outlined below.

5.4 SSDS Operation and Maintenance

An SSDS was installed to mitigate the potential for soil vapor intrusion by applying negative pressure beneath the concrete slab, minimizing the potential for vapor intrusion into the Site building. The major components of the SSDS include:

- Nine 4-inch PVC horizontal slotted and solid SSDS pipes [L1-VR-1A (approximately 176 feet), L1-VR-1B (approximately 125 feet), L1-VR-1C (approximately 133 feet), L1-VR-1D (approximately 181 feet), L1-VR-1E (approximately 135 feet), L1-VR-2A (approximately 252 feet), L1-VR-2B (approximately 98 feet), L1-VR-2C (approximately 201 feet), and L1-VR-2D (approximately 86 feet)] embedded in a gas-permeable aggregate layer consisting of ¾-inch stone beneath the building slabs;
- Four sub-slab VMPs (L1-VMP-01 through L1-VMP-04) throughout the Site building;
- Two 1.5 horsepower (HP) blowers to vent soil vapor with VFD to throttle blower operation to acceptable conditions;

- Two control panels equipped with a local audio/visual alarms and a telemetry system to notify select personnel of alarm conditions; and
- Two effluent stacks consisting of a 6-inch cast iron riser pipe extending from the manifold through the roof and terminating a minimum 7 feet above the finished roof, measured from the highest point where the vent intersects the roof, and a minimum 25 feet away from air intakes and operable windows and off-site buildings that will be installed at a later date after building completion.

As-built drawings for the currently-installed components of the SSDS are included in Appendix B and component manuals are included in Appendix F.

5.4.1 SSDS Start-Up and Testing

SSDS startup testing will comprise:

- Aboveground SSDS line pressure testing;
- Individual line applied vacuum and air flow rate readings;
- Combined riser applied vacuum readings;
- VFD operation reading; and
- VMP induced vacuum readings.

Further adjustments to the blower and individual SSDS lines may be necessary after any alterations to the overall system. SSDS equipment, including individual valves on SSDS lines, will be throttled to rebalance the system, adjusting air flow rates and vacuum/pressure readings to acceptable values.

Table T9
SSDS Startup/Repair Protocols

	Following SSDS startup, pipe addition, repair, or replacement	Following SSDS fan repair or replacement
SSDS line pressure testing	Yes	No
SSDS fan inspection	Yes	Yes

Note: Pressure testing and fan inspection procedures are described in full in the QAPP.

At a minimum, the findings and conclusions following system restart activities will be reported in the subsequent quarterly media monitoring report. In addition, depending on the nature of the adjustment to the system, the process and instrumentation diagram and/or Site figures may need to be updated to reflect the work completed. Such revisions shall be completed and submitted to NYSDEC with the media monitoring report and the PRR.

All further modifications, adjustments, or additions to the SSDS must be completed in accordance with the equipment specifications provided by the manufacturer. This SMP will be maintained on-site and includes manufacturers' specifications for all system components as part of the manuals provided in Appendix F.

5.4.2 SSDS Operation: Routine Operation Procedures

The SSDS is designed to operate continuously without any required adjustments or repairs beyond the routine maintenance items discussed in Section 5.4.3. No adjustments to the

operating schedule or other intentional interruptions to operation (other than those required for routine maintenance) shall be permitted without written approval by NYSDEC and NYSDOH.

The effectiveness of the SSDS components will be confirmed via quarterly system inspections to be conducted by personnel under the supervision of a QEP. The check will consist of confirming that the blowers are operating properly, taking instantaneous PID readings at the blower influent and system effluent sample ports, and taking vacuum readings at the six VMPs. The inspection log will also document any unusual conditions (e.g., unusual odors, spills, leaks, excessive blower noise, etc.). A copy of the SSDS Inspection Log is provided in Appendix D.

Individual flow rate and vacuum readings will be recorded for each of the nine SSDS pipe runs and sub-slab vacuum will be confirmed in each of the four VMPs. This operational data will be used as needed to adjust controls for individual branches and any faulty gauges will be repaired or replaced as needed. SSDS inspections will be conducted on a quarterly basis.

Care shall be taken during inspections to identify and repair any system malfunctions or problems (i.e., leaks, cracks, collection of condensation, etc.). Manufacturer's specifications, included as Appendix F, should be consulted prior to any repairs or adjustments that may become necessary.

If shutdown of the SSDS is considered, a proposal to discontinue the SSDS will be submitted by the property owner and/or property owner's consultant for NYSDEC and NYSDOH approval. The SSDS will remain in place and operational until permission to discontinue use is granted in writing by NYSDEC and NYSDOH.

5.4.3 SSDS Operation: Routine Equipment Maintenance

A schedule for SSDS routine equipment maintenance work is provided in In-Text Table T9:

Table T9
SSDS Inspection/Maintenance Schedule

Operations Monitoring Tasks	Frequency
SSDS Inspection and Monitoring	Quarterly and as necessary
System Component Maintenance	As necessary

Typical routine maintenance items that should be checked during inspections are listed in the SSDS Inspection Log provided in Appendix D and include:

- Confirmation that the blower is operating and air is discharging through the exhaust piping to the roof;
- Confirmation that the pressure and air flow rate gauges on each SSDS fan are clean and within normal ranges;
- Confirmation that the blower effluent PID readings and temperatures are within acceptable ranges; and
- Confirmation that the exterior of the SSDS control panel is clean.

Some routine maintenance will require intentional interruptions to SSDS operation. Both unexpected and deliberate alterations to and/or shutdowns of the system will be recorded in the field book and documented on the SSDS Inspection Log, provided in Appendix D. A cumulative shutdown log, provided in Appendix D, will be maintained separately to track any atypical system activity, including but not limited to alarm conditions and responses, and to track scheduled shutdowns for system maintenance.

Routine System Component Maintenance

The SSDS consists of a blower and motor pair. Each piece of equipment requires routine maintenance that is dictated either by runtimes or operating conditions, as defined by manufacturer's specifications, with most maintenance items being required on a quarterly basis. The pertinent material cut sheets and manuals are provided as Appendix F. A binder containing complete paper copies of manufacturer's specifications for all system components is maintained on-site.

Reporting

Barring any unusual findings, the system inspections and maintenance described above will be reported per the requirements of Section 7 of this SMP. In the event that an unexpected condition is noted, such as a critical malfunction or extreme weather condition that may hinder system operations, NYSDEC will be alerted promptly.

5.4.4 SSDS Operation: Non-Routine Equipment Maintenance

In most instances, non-routine maintenance will be required due to operating conditions that are monitored by the SSDS alarm system. The primary objective of system alarm system is to notify personnel when operating conditions are likely to reduce or otherwise compromise SSDS efficiency.

The SSDS alarm will provide both an audible and visual notification for a low vacuum condition from the differential pressure switch. The audible alarm will be an 85 to 95 decibel horn or buzzer with a manual acknowledge off switch. An alarm condition may be indicative of damage to, or deterioration of, the SSDS pipes. Damage to the individual SSDS lines may be noticeable only by interpreting unusually high or low vacuum readings or air flow rates, which will be noted in the routine system inspections and remedied upon identification.

5.5 SVE System Operation and Maintenance

An SVE system was installed to remediate residual CVOC-contaminated soil in the vadose zone beneath the southern portion of the building. The VOC-contaminated air extracted from the SVE wells will be treated using granular activated carbon (GAC) and discharged to the atmosphere in accordance with 6 NYCRR Part 212.

The SVE system collects and treats contaminated vapor, and subsequently discharges the vapor through a dedicated exhaust stack. The major components of the SVE system include:

- Two 4-inch-diameter PVC SVE wells (L1-SVE-01 and L1-SVE-02) screened from 15 to 28 feet below sidewalk grade and terminating at 28 feet below sidewalk grade, which target the vadose zone treatment interval;
- One 3 HP blower to extract soil vapor, with a VFD to throttle blower operation to acceptable conditions;

- A control panel equipped with a local audio/visual alarms and a telemetry system to notify select personnel of alarm conditions;
- Two 300-pound GAC treatment units located in the SVE equipment room to treat contaminated soil vapor; and
- An effluent stack consisting of a 4-inch cast iron riser pipe extending from the SVE equipment room through the roof and terminating a minimum 7 feet above the finished roof, measured from the highest point where the vent intersects the roof, and a minimum 25 feet away from air intakes and operable windows and off-site buildings.

5.5.1 SVE System Start-Up and Testing

Initial startup of the SVE system occurred on September 30, 2022. If, in the course of the SVE system lifetime, significant changes are made to the system and the system must be restarted, some or all of the following initial startup testing protocols shall be implemented and documented in addition to ongoing routine maintenance and monitoring activities. Since initial startup of the SVE system was completed successfully, these procedures need not be followed after routine system restarts, such as those needed after alarm resets or following routine system maintenance.

Table T11
SVE System Startup/Repair Protocols

	Following SVE startup, pipe addition, repair, or replacement	Following SVE blower repair or replacement	Following carbon vessel repair or replacement
SVE line pressure testing	Yes	No	No
SVE blower inspection	Yes	Yes	Yes

Note: Pressure testing and blower inspection procedures are described in full in the QAPP.

As described in the QAPP, SVE blower inspections shall comprise confirmation of:

- SVE monitoring point induced vacuum readings;
- PID, vacuum, and air flow rates at each SVE well during active operation in that zone;
- SVE blower-related readings including VFD operation reading, pre-/post-particulate filter blower vacuum and air flow rate readings; and
- Carbon influent, intermediate, and effluent pressure, temperature, and PID readings.

Appropriate values for these confirmation readings are outlined in the SVE Inspection Log provided in Appendix D.

Further adjustments to the blower and individual SVE lines may be necessary after any alterations to the overall system. SVE equipment, including individual valves on SVE lines, will be throttled to rebalance the system, adjusting air flow rates and vacuum/pressure readings to acceptable values.

At a minimum, the findings and conclusions following system restart activities will be reported in the subsequent quarterly media monitoring report. In addition, depending on the nature of the adjustment to the system, the P&ID and/or Site figures may need to be

updated to reflect the work completed. Such revisions shall be completed and submitted to NYSDEC with the quarterly media monitoring report.

All further modifications, adjustments or additions to the SVE system should be completed in accordance with the equipment specifications provided by the manufacturer. This SMP will be maintained on-site and includes manufacturers' specifications for all system components in Appendix F.

5.5.2 SVE System Operation: Routine Operation Procedures

The SVE system is designed to operate continuously without any required adjustments or repairs beyond the routine maintenance items discussed in Sections 5.5.3 and 5.5.4. No adjustments to the operating schedule or other intentional interruptions to operation (other than those required for routine maintenance) shall be permitted without written approval by NYSDEC and NYSDOH.

The operation of the SVE system components will be confirmed by quarterly system inspections (monitoring during the first quarter) by an environmental professional. The check will consist of confirming the blower is operating properly with individual flow rate and vacuum readings for each of the SVE wells within designated ranges, and confirming instantaneous PID readings at the influent, intermediate, and effluent sample ports on the carbon treatment units. The check will also note any unusual conditions (e.g., unusual odors, spills, leaks, blower noise, etc.). A copy of the SVE Inspection Log is provided in Appendix D.

Care shall be taken during inspections to identify and repair any system malfunctions or problems (i.e., leaks, cracks, collection of condensation, etc.). Manufacturer's specifications, included as Appendix F, should be consulted prior to any repairs or adjustments that may become necessary.

If, in consultation with NYSDEC and NYSDOH, shutdown of the SVE system and/or carbon treatment system is considered, a proposal to discontinue the SVE system and/or carbon treatment system will be submitted by the property owner and/or property owner's consultant for NYSDEC and NYSDOH approval. The SVE and/or carbon treatment system will remain in place and operational until permission to discontinue use is granted in writing by NYSDEC and NYSDOH.

5.5.3 SVE System Operation: Routine Equipment Maintenance

A tentative schedule for SVE system routine equipment maintenance work is provided in the following table:

Table T12
SVE System Inspection/Maintenance Schedule

Operations Monitoring Tasks	Frequency
SVE System Inspection	Quarterly
Carbon System Vapor Sampling	Semi-annual during first year, annual thereafter, and as necessary
Wellhead and External System Component Maintenance	Annually and as necessary

Typical routine maintenance items that should be addressed during monthly inspections are listed in the SVE Inspection Log provided in Appendix D and include:

- Confirmation that the blower is operating and air is discharging through the exhaust piping to the roof;
- Confirmation that the pressure and air flow rate gauges on each manifold leg are clean and within normal ranges;
- Confirmation that the blower effluent PID readings and temperatures are within acceptable ranges; and
- Confirmation that the exterior of the SVE system control panel is clean.

Some routine maintenance will require intentional interruptions to SVE system operation. Both unexpected and deliberate alterations to and/or shutdowns of the system will be recorded in the field book and documented on the SVE Inspection Log provided in Appendix D. A shutdown log, also provided in Appendix D, will be maintained separately to track any atypical system activity, including but not limited to alarm conditions and responses and scheduled shutdowns for system maintenance.

Routine System Component Maintenance

The SVE system consists of one blower and motor pair. Each piece of equipment requires routine maintenance dictated either by runtimes or operating conditions, as defined by manufacturer's specifications. However, most maintenance items are required on a quarterly basis, assuming continuous operation. The pertinent material cut sheets and manuals are provided as Appendix F. A binder containing complete manufacturer's specifications for all system components will be maintained on-site.

Wellhead and External System Component Maintenance

Individual wellheads and manholes will be inspected, at a minimum, on an annual basis. All SVE wells are accessible via flush-mount well covers. In the event of a damaged or out-of-service SVE well, the well will be properly decommissioned. Repairs and/or replacement of SVE wells will be performed based on assessments of structural integrity and overall performance.

NYSDEC will be notified prior to any repair or decommissioning of any SVE well for the purpose of replacement, and the repair or decommissioning and replacement process will be documented in the subsequent PRR. The decommissioning of SVE wells without replacement will be done only with the prior approval of NYSDEC. SVE well abandonment will be performed in accordance with NYSDEC's CP-43: Groundwater Monitoring Well Decommissioning Policy. If the SVE wells are decommissioned because they have been rendered unusable, replacement SVE wells will be reinstalled in the nearest available location, unless directed otherwise by NYSDEC.

Wellhead and external system component inspections should be conducted as detailed in the QAPP provided in Appendix E.

Reporting

Barring any unusual findings, the system inspections and maintenance previously described will be reported per the requirements of Section 7 of this SMP. In the event that an unexpected condition is noted, such as a critical malfunction or extreme weather condition that may hinder system operations, NYSDEC will be alerted promptly.

5.5.4 SVE System Operation: Non-Routine Equipment Maintenance

In most instances, non-routine maintenance will be required due to operating conditions that are governed by the SVE alarm system and system telemetry. The primary objective of system telemetry is to notify personnel when operating conditions are likely to reduce or otherwise compromise SVE efficiency, which could lead to the potential uncontrolled migration of volatile soil vapor.

The system telemetry will also notify the current owner's environmental professional when operating conditions may be indicative of damage to the SVE equipment. SVE alarm conditions are detailed in In-Text Table T13. Potential damage to the SVE pipes or carbon units should trigger one of the alarm conditions. Damage to the individual SVE lines may be noticeable only by interpreting unusually high or low vacuum readings or air flow rates, which will be noted in the system inspections and remedied upon identification.

The SVE system was also designed with particulate and moisture separators on the blower skid to prevent solids from reaching the blowers. The particulate and moisture separators are shown in the P&ID provided as part of the manual in Appendix B. Procedures for maintaining the particulate separators and all SVE components are provided in the operation and maintenance manuals provided in Appendix F and the QAPP provided in Appendix E.

Table T13
SVE System Alarm Conditions

Alarm Condition	Response Measure
Moisture Separator High Level	Drain/containerize moisture, identify and address/eliminate cause of moisture influx
Blower Outlet High Temperature	Identify and address/eliminate cause of high temperature condition
Blower Inlet Low Vacuum	Identify and address/eliminate cause of low pressure condition

5.5.5 SVE System Sampling Event Protocol

5.5.5.1 – Effluent Vapor Sampling Protocol

Though theoretical calculations have been made to approximate the anticipated carbon usage rate, carbon replacement frequency will be based on field screening using a PID and laboratory analytical results. Individual lines are not anticipated to be sampled in the routine sampling events; however, there are sampling ports for each line, prior to manifolding, to facilitate field screening or sampling, as necessary, at the discretion of the remedial engineer, in consultation with NYSDEC and NYSDOH.

The influent, intermediate, and effluent vapor from the set of SVE system carbon vessels will be field-screened quarterly and sampled as described below to provide an estimate of carbon usage. Confirmatory SVE system sampling will be conducted following startup to more accurately assess the VOC concentrations in extracted soil vapor from the entire Site, and the condition and lifespan of the carbon units. Samples of the SVE system air will be collected as part of initial startup and again 6 months and 12 months following start-up. Subsequent SVE system vapor sampling will be performed annually, and as needed, to

evaluate system operating conditions and support the calculations of contaminant mass removal.

The vapor samples will be collected using a peristaltic pump to fill a one-liter Tedlar bag, in accordance with the sampling procedure detailed in the QAPP provided as Appendix E. All samples for laboratory analysis will be submitted to a NYSDOH ELAP-certified laboratory for analysis of VOCs by EPA Method TO-15.

All sampling activities will be recorded in a field book and in the SVE Vapor Sampling Log presented in Appendix D. Field observations (e.g., visual observations and PID readings of effluent, etc.) will be noted on the sampling log, which will be subject to the reporting requirements and system checks discussed in Section 7. Complete effluent vapor sampling procedures are detailed in the QAPP.

5.5.5.2 – Spent Carbon Sampling Protocol

All spent carbon will be disposed of or recycled off-site in accordance with all applicable local, state, and federal regulations. Based on the requirements of the disposal/recycling facility and waste disposal contractor, a carbon sample may need to be collected for facility acceptance purposes. If so, a representative sample of the spent carbon will be collected and submitted for laboratory analysis based on the requirements of the receiving facility, as detailed in the QAPP provided as Appendix E. Spent carbon will be handled as a listed hazardous waste unless a contained-in request is approved by NYSDEC.

All sampling activities will be recorded in a field book. Field observations (e.g., visual observations and PID reading of carbon, etc.) will be noted on the sampling log, which will be subject to the reporting requirements and system checks discussed in Sections 5.5.6 and 7.

5.5.5.3 – Condensate Water Sampling

All condensate water collected from the SVE water knock-out vessel will be disposed of in accordance with all applicable local, state, and federal regulations on an as-needed basis. A representative condensate water sample will be collected from each 55-gallon drum and submitted for laboratory analysis, as detailed in the QAPP provided as Appendix E. Documentation associated with condensate water disposal will be subject to the reporting requirements and system checks discussed in Sections 5.5.6 and 7. Condensate water containing any detections of CVOCs will be considered a listed waste unless a contained-in determination is obtained from NYSDEC.

5.5.6 SVE System Maintenance and Performance Monitoring Reporting Requirements

Any unexpected or critical issues identified during the monitoring tasks will be reported via email or phone notification to the NYSDEC project manager. Maintenance reports and any other information generated during regular operations at the Site will be kept on-file on-site. All reports, forms, and other relevant information generated will be available to NYSDEC upon request and submitted as part of the PRR, as specified in Section 7.2 of this SMP.

5.5.6.1 – Routine Maintenance Forms

Checklists or forms (see Appendix D) will be completed during each maintenance event. Checklists/forms will include, but not be limited to, the following information:

- Date;

- Name, company, and position of person(s) conducting maintenance activities;
- Maintenance activities conducted;
- Any modifications to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and
- Other documentation, such as copies of invoices for maintenance work, receipts for replacement equipment, etc. (attached to the checklist/form).

5.5.6.2 – Non-Routine Maintenance Forms

During each non-routine maintenance event, a form will be completed which will include, but not be limited to, the following information:

- Date;
- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;
- Presence of leaks;
- Date of leak repair;
- Other repairs or adjustments made to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and
- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

5.6 ISCO System Operation and Maintenance

An ISCO System was installed in the event that additional groundwater treatment is required to achieve groundwater RAOs for the Site. The System would be used to inject chemicals into groundwater to treat TCE and/or breakdown compounds. The major components of the ISCO System include:

- Three 2-inch-diameter PVC wells (CIW-01 through CIW-03) screened with 10 feet immediately below the groundwater table and finished with 6-inch diameter flush mounted manholes; and
- Three ¾-inch hoses within a 4-inch diameter PVC carrier pipe leading to the equipment room on the southeastern portion of the Site.

If future injections are deemed necessary by NYSDEC, the following system components will be installed to control potential future injection events:

- A manifold with a gate or butterfly valve, and a threaded cap on each hose to prevent vapor migration from the well into the building interior. Flow meters or totalizers and pressure gauges will be temporarily installed on the piping manifold during subsequent injection events to measure total injection volumes, and any backpressure during the injection work.

- Regular operation and maintenance of the Contingency ISCO System is not required. The hoses stub-outs in the equipment room will be inspected quarterly to ensure the caps are still in place and effective at preventing any off-gassing of the wells into the building.

5.7 ISCO System

In the event that post-remediation groundwater sampling results indicate that additional ISCO injections are necessary, a dedicated Injection Work Plan shall be drafted (to detail injection work utilizing the permanent injection wells installed as part of the remedy) and submitted to NYSDEC and NYSDOH for review and approval. Reagent volumes will be determined based upon the post-remediation groundwater sampling data and are expected to vary, as contaminant concentrations may not decrease linearly over the duration of Site management.

The sodium permanganate will be mobilized to the Site in totes or 55 -gallon drums, and potable water from the building will be used to further dilute the permanganate to the target concentration and injection volume. A centrifugal or diaphragm pump will be used to conduct any follow up injection events.

During any potential future injection events, geochemical indicator parameter readings, including pH, DO, ORP, and specific conductivity will be collected from each well on a daily basis during injections, using a portable water quality meter. Baseline and post-treatment groundwater samples will be collected from the same wells and will be analyzed for CVOCs and total metals.

Post-treatment sampling will be conducted 1, 3, and 6 months after each subsequent injection event. The wells will be screened for active sodium permanganate by inspecting the color of the water recovered from the wells.

Any planning, field findings, and/or summaries of completed work will be provided in future Quarterly Reports and Periodic Review Reports.

5.8 Contingency Plan and Fire Safety

Emergencies may include injury to personnel, fire or explosion, environmental release, or serious weather conditions.

The appropriate actions for on-site emergencies are detailed in the attached Health and Safety Plan (HASP) and Community Air Monitoring Plan (CAMP), provided as Appendix G.

The remedial party will confirm on an annual basis that Ownership and building personnel conducted a facility walk with the local fire chief and/or fire suppression team to allow for the addition of the facility to any local preplanning efforts. The NYSDEC project manager will be provided with the local fire chief's/fire suppression team's recommendations as soon as they become available. Following review, the NYSDEC project manager may direct the remedial party to implement the recommendations and/or revise the SMP.

5.9 Emergency Telephone Numbers

In the event of any environmentally related situation or unplanned occurrence requiring assistance, the owner or owner's representative(s) should contact the appropriate party from the contact list below. For emergencies, appropriate emergency response personnel should be contacted. Prompt contact should also be made to AKRF's project principal or project manager or the current property manager/owner's representative for the Site. Emergency contact lists must be maintained in an easily accessible location at the Site. In-Text Table T14 includes contact information for the emergency response personnel.

Table T14
Emergency Contact Numbers

Contact	Contact Number
Medical, Fire, and Police:	911
One Call Center:	(800) 272-4480 (3-day notice required for utility mark out)
Poison Control Center:	(800) 222-1222
Pollution Toxic Chemical Oil Spills:	(800) 424-8802
NYSDEC Spills Hotline	(800) 457-7362

5.10 Directions to Nearest Health Facility

Table T15
Hospital Directions

Hospital Name:	Brookdale University Hospital
Phone Number:	718-240-5363
Address/Location:	1 Brookdale Plaza, Brooklyn, New York 11212
Directions:	1. Turn right to head south on Euclid Avenue. 2. Turn right onto Atlantic Avenue. 3. Turn left onto Miller Avenue. 4. Turn right onto Glenmore Avenue. 9. Turn left onto Granville Payne Avenue. 10. Turn left onto New Lots Avenue. 11. Turn left onto East 98th Street/Brookdale Plaza. 12. Destination will be on the left.

6.0 PERIODIC ASSESSMENTS/EVALUATIONS

6.1 Climate Change Vulnerability Assessment

Increases in both the severity and frequency of storms/weather events, an increase in sea level elevations along with accompanying flooding impacts, shifting precipitation patterns and wide temperature fluctuation, resulting from global climactic change and instability, have the potential to significantly impact the performance, effectiveness and protectiveness of a given site and associated remedial systems. Vulnerability assessments provide information so that the Site and associated remedial systems are prepared for the impacts of the increasing frequency and intensity of severe storms/weather events and associated flooding.

This section provides a summary of vulnerability assessments that may be conducted for the Site during periodic assessments, and briefly summarizes the vulnerability of the Site and/or ECs to severe storms/weather events and associated flooding.

- Flood Plain: The Site is not located within a flood plain.
- Site Drainage and Stormwater Management: Stormwater at the Site and the surrounding area flows to the New York City combined sewer system.
- Erosion: As the only area of the Site not covered with concrete slabs are surrounded by buildings, erosion is not anticipated to be an issue of concern.
- High Wind: All permanent building components are secured against high winds. In the event that high winds are forecasted, proper precautions will be taken to secure or shelter any Site components that are not protected against high winds.
- Electricity: Electricity to the buildings is supplied via newly installed underground vaults and conduits and is not expected to be affected by severe weather events.
- Spill/Contaminant Release: Storage of large amounts of fuel oil or other chemicals at the Site is not expected. Nominal amounts of cleaning chemicals are likely to be stored at interior and secured locations at the Site and are not expected to be affected by severe weather conditions.

6.2 Green Remediation Evaluation

NYSDEC's DER-31 Green Remediation requires consideration of green remediation concepts and techniques during all stages of the remedial program including site management, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. This section of the SMP provides a summary of any green remediation evaluations that may be completed for the Site during site management, and as reported in the PRR.

6.2.1 Timing of Green Remediation Evaluations

For major remedial system components, green remediation evaluations and corresponding modifications will be undertaken as part of a formal Remedial System Optimization (RSO), or at any time that the NYSDEC project manager feels appropriate, e.g. during significant maintenance events or in conjunction with storm recovery activities.

Modifications resulting from green remediation evaluations will be routinely implemented and scheduled to occur during planned/routine operation and maintenance activities. Reporting of these modifications will be presented in the PRR.

6.2.2 Remedial Systems

Remedial systems will be operated properly considering the current Site conditions to conserve materials and resources to the greatest extent possible. Consideration will be given to operating rates and use of reagents and consumables. Spent materials will be sent for recycling, as appropriate. Remedial system types and associated parameters to be evaluated include, but are not limited to:

- SSDS and soil vapor extraction points (operating rates/locations).
- Activated carbon systems (spent carbon replacement and disposal/regeneration).

6.2.3 Frequency of System Checks, Sampling and Other Periodic Activities

Transportation to and from the Site, use of consumables in relation to visiting the Site in order to conduct system checks and/or collect samples, and shipping samples to a laboratory for analyses have direct and/or inherent energy costs. The schedule and/or means of these periodic activities have been prepared so that these tasks can be accomplished in a manner that does not impact remedy protectiveness but reduces expenditure of energy or resources.

Consideration shall be given to:

- Reduced sampling frequencies;
- Reduced Site visits and system checks;
- Installation of remote sensing/operations and telemetry;
- Coordination/consolidation of activities to maximize foreman/labor time; and
- Use of mass transit for Site visits.

6.3 Remedial System Optimization

A Remedial System Optimization (RSO) study will be conducted any time that NYSDEC or the remedial party requests in writing that an in-depth evaluation of the remedy is needed. An RSO may be appropriate if any of the following occur:

1. The remedial actions are no longer meeting the RAOs noted in Section 2.5 of this SMP;
2. The management and operation of the remedial system is exceeding the estimated costs;
3. The remedial system is not performing as expected or as designed;
4. Previously unidentified source material may be suspected;
5. Plume shift has potentially occurred;
6. Site conditions change due to development, change of use, change in groundwater use, etc.;
7. There is an anticipated transfer of the Site management to another remedial party or agency; or
8. A new and applicable remedial technology becomes available.

An RSO will provide a critique of a site's conceptual model, give a summary of past performance, document current cleanup practices, summarize progress made toward the site's cleanup goals, gather additional performance or media specific data and information and provide recommendations for improvements to enhance the ability of the present system to reach RAOs or to provide a basis for changing the remedial strategy.

The RSO study will focus on overall Site cleanup strategy, process optimization and management with the intent of identifying impediments to cleanup and improvements to site operations to increase efficiency, cost effectiveness and remedial time frames. Green remediation technology and principals are to be considered when performing the RSO.

7.0 REPORTING REQUIREMENTS

7.1 Site Management Reports

All Site management inspection, maintenance and monitoring events will be recorded on the appropriate Site management forms provided in Appendix D. These forms are subject to NYSDEC revision.

All applicable inspection forms and other records, including media sampling data and system maintenance reports, generated for the site during the reporting period will be provided in electronic format to the NYSDEC in accordance with the requirements of In-Text Table T16 and summarized in the PRR.

Table T16
Monitoring/Inspection Report Deliverables

Task/Report	Reporting Frequency*
Quarterly Monitoring Reports	Quarterly
Periodic Review Report # 1	16 months after receipt of Certificate of Completion
Periodic Review Report #2 +	Annually after submittal of inaugural PRR

* The frequency of events will be conducted as specified until otherwise approved by the NYSDEC.

All monitoring/inspections reports will include, at a minimum:

1. Date of event or reporting period;
2. Name, company, and position of person(s) conducting monitoring/inspection activities;
3. Description of the activities performed;
4. Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet);
5. Type of samples collected (e.g., sub-slab vapor, indoor air, outdoor air, etc.);
6. Copies of all field forms completed (e.g., chain-of-custody documentation, etc.);
7. Sampling results in comparison to appropriate standards/criteria;
8. A figure illustrating sample type and sampling locations;
9. Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (to be submitted electronically in the NYSDEC-identified format);
10. Any observations, conclusions, or recommendations; and
11. A determination as to whether contaminant conditions have changed since the last reporting event.

Routine maintenance event reporting forms will include, at a minimum:

1. Date of event;
2. Name, company, and position of person(s) conducting maintenance activities;
3. Description of maintenance activities performed;
4. Any modifications to the system;

5. Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and
6. Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc., (attached to the checklist/form).

Non-routine maintenance event reporting forms will include, at a minimum:

1. Date of event;
2. Name, company, and position of person(s) conducting non-routine maintenance/repair activities;
3. Description of non-routine activities performed;
4. Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and
5. Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

Data will be reported in digital format as determined by the NYSDEC. Currently, data is to be supplied electronically and submitted to the NYSDEC EQuIS™ database in accordance with the requirements found at this link http://www.dec.ny.gov/chemical/62440.html.

7.2 Periodic Review Report

A PRR will be submitted to the NYSDEC project manager beginning sixteen (16) months after the Certificate of Completion is issued. After submittal of the initial Periodic Review Report, the next PRR shall be submitted annually to the NYSDEC project manager or at another frequency as may be required by the NYSDEC project manager. In the event that the Site is subdivided into separate parcels with different ownership, a single PRR will be prepared that addresses the Site described in the Environmental Easement enclosed as Appendix A. The report will be prepared in accordance with NYSDEC's DER-10 and submitted within 30 days of the end of each certification period. The report will include:

1. Identification, assessment, and certification of all ECs/ICs required by the remedy for the Site.
2. Results of the required annual Site inspections and severe condition inspections, if applicable.
3. All applicable Site management forms and other records generated for the Site during the reporting period in the NYSDEC-approved electronic format, if not previously submitted.
4. Identification of any wastes generated during the reporting period, along with waste characterization data, manifests, and disposal documentation.
5. A summary of any discharge monitoring data and/or information generated during the reporting period, with comments and conclusions.
6. Data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor, etc.), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends, including but not limited to:
    - Trend monitoring graphs that present groundwater contaminant levels from before the start of the remedy implementation to the most current sampling data;

- Trend monitoring graphs depicting system influent analytical data on a per event and cumulative basis;
- O&M data summary tables;
- A current plume map for sites with remaining groundwater contamination; and
- A groundwater elevation contour map for each gauging event.

7. Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted in digital format as determined by the NYSDEC. Currently, data is supplied electronically and submitted to the NYSDEC EQuIS™ database in accordance with the requirements found at this link: http://www.dec.ny.gov/chemical/62440.html.
8. A Site evaluation, which includes the following:
   - The compliance of the remedy with the requirements of the Site-specific Decision Document (DD);
   - The operation and the effectiveness of all treatment units, etc., including identification of any needed repairs or modifications;
   - Any new conclusions or observations regarding site contamination based on inspections or data generated by the Monitoring and Sampling Plan for the media being monitored;
   - Recommendations regarding any necessary changes to the remedy and/or Monitoring and Sampling Plan;
   - An evaluation of trends in contaminant levels in the affected media to determine whether the remedy continues to be effective in achieving remedial goals as specified by the DD; and
   - The overall performance and effectiveness of the remedy.
9. A performance summary for all the SVE system at the Site during the calendar year, including information such as:
   - The number of days the system operated for the reporting period;
   - The average, high, and low flows for the reporting period;
   - The contaminant mass removed and the cost per pound of mass removed during the certification period and during the life of the treatment system;
   - A description of breakdowns and/or repairs along with an explanation for any significant downtime;
   - A description of the resolution of performance problems;
   - A summary of alarm conditions;
   - Trends in equipment failure;
   - A summary of the performance, effluent and/or effectiveness monitoring; and
   - Comments, conclusions, and recommendations based on data evaluation. Recommendations must address how receptors would be impacted. Recommendations can include:

- Proposals to address efficiency and costs such as: instituting remote operation, system changes to decrease maintenance costs and downtime, and system changes to decrease energy use; and
- Proposals to modify or shut down a treatment system due to remediation completion, system performance or changed conditions. System shutdowns are addressed in Section 6.4 of DER-10.

7.2.1 Certification of Institutional and Engineering Controls

Following the last inspection of the reporting period, a P.E. licensed to practice in NYS will prepare, and include in the PRR, the following certification as per the requirements of NYSDEC DER-10:

"For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- The inspection of the Site to confirm the effectiveness of the ICs/ECs controls required by the remedial program was performed under my direction;
- The ICs/ECs employed at this Site are unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any Site management plan for this control;
- Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the Site is compliant with the Environmental Easement;
- The ECs are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices; and
- The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, [name], of [business address], am certifying as [Owner/Remedial Party or Owner's/Remedial Party's Designated Site Representative] for the Site.

"I certify that the New York State Education Department has granted a Certificate of Authorization to provide Professional Engineering services to the firm that prepared this Periodic Review Report."

The signed certification will be included in the PRR.

The PRR will be submitted, in electronic format, to the NYSDEC Central Office, Regional Office in which the Site is located, and the NYSDOH Bureau of Environmental Exposure Investigation. The PRR may need to be submitted in hard-copy format, as requested by the NYSDEC project manager.

7.3 Corrective Measures Work Plan

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an IC/EC, a Corrective Measures Work Plan will be submitted to NYSDEC for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the Corrective Measures Work Plan until it has been approved by NYSDEC.

7.4 Remedial System Optimization Report

If a Remedial System Optimization (RSO) is to be performed, an RSO report must be submitted to NYSDEC for approval. The RSO report will document the research/investigation and data gathering that was conducted, evaluate the results and facts obtained, present a revised conceptual Site model and present recommendations. RSO recommendations are to be implemented upon approval from NYSDEC. Additional work plans, design documents, HASPs etc., may be required to implement the recommendations, based upon the actions that need to be taken. A final engineering report (FER) and update to the SMP may also be required.

The RSO report will be submitted in electronic format to the NYSDEC Central Office, Regional Office in which the Site is located, and the NYSDOH Bureau of Environmental Exposure Investigation.

A complete list of Owner and Remedial Party Responsibilities is provided as Appendix H.

8.0 REFERENCES

1. 6 NYCRR Part 375, Environmental Remediation Programs. December 14, 2006.
2. NYSDEC DER-10 – "Technical Guidance for Site Investigation and Remediation".
3. NYSDEC, 1998. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. June 1998 (April 2000 addendum).
4. NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document"), updated May 2017.
5. DAR-1 Guidelines for the Evaluation and Control of Ambient Air Contaminants Under 6NYCRR Part 212, October 2020.
6. Subsurface Investigation Report – Blue Ridge Farms, 3301 Atlantic Avenue, 84 Dinsmore Place, and 111 Dinsmore Place, Brooklyn, New York, AKRF, Inc. (AKRF), May 2001.
7. Phase I Environmental Site Assessment (ESA) – 3301 Atlantic Avenue, 3238 Fulton Street, 226-296 Euclid Avenue, and 215-279 Chestnut Street, Brooklyn, New York, Property Solutions, Inc. (PSI), June 2010.
8. Asbestos Investigation and Bulk Sample/Laboratory Analysis – 3301 Atlantic Avenue, Brooklyn, New York, Safety Environmental, Co. of NY, Inc. (Safety), July 2013.
9. Phase I Environmental Site Assessment (ESA) Report – 3301 Atlantic Avenue (Block 4143, Lot 1), Brooklyn, New York, Legette, Brashears, & Graham, Inc. (LBG), March 2014.
10. Chain of Title Summary Report – 3301 Atlantic Avenue and 242 Chestnut Street, Brooklyn, New York, Phipps Houses, 2015.
11. Phase I Environmental Site Assessment (ESA) Report – 3301 Atlantic Avenue and 242 Chestnut Street, Brooklyn, New York, AKRF, Inc. (AKRF), September 2015.
12. Subsurface (Phase II) Investigation Report – 3264 Fulton Street, Brooklyn, New York, AKRF, Inc. (AKRF), January 2016.
13. Remedial Investigation (RI) Work Plan (RIWP) – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc. (AKRF), November 2016.
14. Remedial Investigation (RI) Report (RIR) – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc. (AKRF), April 2017.
15. Remedial Design Investigation Work Plan – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc. (AKRF), April 2017.
16. Interim Remedial Measure Work Plan (IRMWP) – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc., July 2018.
17. Soil/Fill Waste Classification Report – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc., March 2019.
18. Draft Interim Remedial Measure Report (IRMR) – Atlantic Chestnut – Lots 1,2, and 3, 3264 Fulton Street, 254 Euclid Avenue, and 275 Chestnut Street, Brooklyn, New York, AKRF, Inc., September 2019.
19. Remedial Design Investigation Report – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc., February 2020.

20. Remedial Action Work Plan – Atlantic Chestnut – Lot 1, 3264 Fulton Street, Brooklyn, New York, AKRF, Inc., February 2020.
21. Construction Completion Report – Atlantic Chestnut – Lots 1, 2, and 3 - 250 Euclid Avenue, 254 Euclid Avenue, and 275 Chestnut Street, Brooklyn, New York, AKRF, Inc., August 2022.
22. Remedy Addendum Letter – Atlantic Chestnut – Lot 1, 250 Euclid Avenue, Brooklyn, New York, AKRF, Inc., November 2022.

TABLES

Table 1
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, New York
NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

Compound	NYSDEC Part 375 UUSCOs
Volatile Organic Compounds (VOCs)	**mg/kg**
1,1,1-Trichloroethane	0.68
1,1-Dichloroethane	0.27
1,1-Dichloroethene	0.33
1,2,4-Trimethylbenzene	3.6
1,2-Dichlorobenzene	1.1
1,2-Dichloroethane	0.02
1,3,5-Trimethylbenzene (Mesitylene)	8.4
1,3-Dichlorobenzene	2.4
1,4-Dichlorobenzene	1.8
Acetone	0.05
Benzene	0.06
Carbon Tetrachloride	0.76
Chlorobenzene	1.1
Chloroform	0.37
Cis-1,2-Dichloroethylene	0.25
Ethylbenzene	1
Methyl Ethyl Ketone (2-Butanone)	0.12
Methylene Chloride	0.05
N-Butylbenzene	12
Sec-Butylbenzene	11
T-Butylbenzene	5.9
Tert-Butyl Methyl Ether	0.93
Tetrachloroethylene (PCE)	1.3
Toluene	0.7
Trans-1,2-Dichloroethene	0.19
Trichloroethylene (TCE)	0.47
Vinyl Chloride	0.02
Xylenes	0.26

Table 1
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, New York
NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

Compound	NYSDEC Part 375 UUSCOs
Polycyclic Aromatic Hydrocarbons (PAHs)	**mg/kg**
1,4-Dioxane (P-Dioxane)	0.1
Acenaphthene	20
Acenaphthylene	100
Anthracene	100
Benzo(a)Anthracene	1
Benzo(a)Pyrene	1
Benzo(b)Fluoranthene	1
Benzo(g,h,i)Perylene	100
Benzo(k)Fluoranthene	0.8
Chrysene	1
Dibenz(a,h)Anthracene	0.33
Fluoranthene	100
Fluorene	30
Indeno(1,2,3-c,d)Pyrene	0.5
Naphthalene	12
Phenanthrene	100
Pyrene	100

Table 1
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, New York
NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

Compound	NYSDEC Part 375 UUSCOs
Metals	**mg/kg**
Aluminum	NS
Antimony	NS
Arsenic	13
Barium	350
Beryllium	7.2
Cadmium	2.5
Calcium	NS
Chromium, Total	NS
Cobalt	NS
Copper	50
Iron	NS
Lead	63
Magnesium	NS
Manganese	1,600
Mercury	0.18
Nickel	30
Potassium	NS
Selenium	3.9
Silver	2
Sodium	NS
Thallium	NS
Vanadium	NS
Zinc	109

Table 1
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, New York
Notes

Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs):
UUSCOs listed in the New York State Department of Environmental Conservation (NYSDEC) Part 375 Regulations (6 NYCRR Part 375), Table 375-6.8(a).

NS : A standard has not been established for the analyte.

mg/kg : milligrams per kilogram = parts per million (ppm)

Table 2
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, New York
NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives

Compound	NYSDEC Part 375 RRSCOs
Volatile Organic Compounds (VOCs)	**mg/kg**
1,1,1-Trichloroethane	100
1,1-Dichloroethane	26
1,1-Dichloroethene	100
1,2,4-Trimethylbenzene	52
1,2-Dichlorobenzene	100
1,2-Dichloroethane	3.1
1,3,5-Trimethylbenzene (Mesitylene)	52
1,3-Dichlorobenzene	49
1,4-Dichlorobenzene	13
Acetone	100
Benzene	4.8
Carbon Tetrachloride	2.4
Chlorobenzene	100
Chloroform	49
Cis-1,2-Dichloroethylene	100
Ethylbenzene	41
Methyl Ethyl Ketone (2-Butanone)	100
Methylene Chloride	100
N-Butylbenzene	100
Sec-Butylbenzene	100
T-Butylbenzene	100
Tert-Butyl Methyl Ether	100
Tetrachloroethylene (PCE)	19
Toluene	100
Trans-1,2-Dichloroethene	100
Trichloroethylene (TCE)	21
Vinyl Chloride	0.9
Xylenes	100

Table 2
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, New York
NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives

Compound	NYSDEC Part 375 RRSCOs
Polycyclic Aromatic Hydrocarbons (PAHs)	**mg/kg**
1,4-Dioxane (P-Dioxane)	13
Acenaphthene	100
Acenaphthylene	100
Anthracene	100
Benzo(a)Anthracene	1
Benzo(a)Pyrene	1
Benzo(b)Fluoranthene	1
Benzo(g,h,i)Perylene	100
Benzo(k)Fluoranthene	3.9
Chrysene	3.9
Dibenz(a,h)Anthracene	0.33
Fluoranthene	100
Fluorene	100
Indeno(1,2,3-c,d)Pyrene	0.5
Naphthalene	100
Phenanthrene	100
Pyrene	100

Table 2
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, New York
NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives

Compound	NYSDEC Part 375 RRSCOs
Metals	**mg/kg**
Aluminum	NS
Antimony	NS
Arsenic	16
Barium	400
Beryllium	72
Cadmium	4.3
Calcium	NS
Chromium, Total	NS
Cobalt	NS
Copper	270
Iron	NS
Lead	400
Magnesium	NS
Manganese	2,000
Mercury	0.81
Nickel	310
Potassium	NS
Selenium	180
Silver	180
Sodium	NS
Thallium	NS
Vanadium	NS
Zinc	10,000

Table 2
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, New York
Notes

Part 375 Restricted Residential Soil Cleanup Objectives (RRSCOs):
RRSCOs listed in the New York State Department of Environmental Conservation (NYSDEC) Part 375 Regulations (6 NYCRR Part 375), Table 375-6.8(b).

NS : A standard has not been established for the analyte.

mg/kg : milligrams per kilogram = parts per million (ppm)

Table 3
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, New York
NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives

Compound	NYSDEC Part 375 PGSWCOs
Chlorinated Volatile Organic Compounds (CVOCs)	**mg/kg**
1,1,1-Trichloroethane	0.68
1,1-Dichloroethane	0.27
1,1-Dichloroethene	0.33
1,2-Dichloroethane	0.02
Carbon Tetrachloride	0.76
Chlorobenzene	1.1
Chloroform	0.37
Cis-1,2-Dichloroethylene	0.25
Methylene Chloride	*0.05*
Tetrachloroethylene (PCE)	1.3
Trans-1,2-Dichloroethene	0.19
Trichloroethylene (TCE)	0.47
Vinyl Chloride	0.02

Table 3
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, New York
Notes

Part 375 Protection of Groundwater Soil Cleanup Objectives (PGWSCOs):
PGWSCOs listed in the New York State Department of Environmental Conservation (NYSDEC) Part 375 Regulations (6 NYCRR Part 375), Table 375-6.8(a).

mg/kg : milligrams per kilogram = parts per million (ppm)

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-01_19_20211006	L1-EP-02_19_20211006	L1-EP-03_19_20211006	L1-EP-04_19_20211006	L1-EP-05_19_20211006
			Laboratory Sample ID	460-244461-1	460-244461-2	460-244461-3	460-244461-4	460-244461-5
			Date Sampled	10/06/2021	10/06/2021	10/06/2021	10/06/2021	10/06/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Acetone	**0.05**	100	*0.05*	0.0065 U	0.0068 U	0.0067 U	0.0073 U	0.0067 U
Benzene	0.06	4.8	0.06	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Chloroform	0.37	49	0.37	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Ethylbenzene	1	41	1	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0054 U	0.0057 U	0.0056 U	0.0061 U	0.0056 U
Methylene Chloride	**0.05**	100	*0.05*	0.0022 U	0.0023 U	0.0022 U	0.0024 U	0.0022 U
N-Butylbenzene	12	100	12	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Toluene	0.7	100	0.7	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0084	0.0033	0.0051	0.0012 U	0.0011 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Xylenes	0.26	100	1.6	0.0022 U	0.0023 U	0.0022 U	0.0024 U	0.0022 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-05X_19_20211006	L1-EP-06_19_20211006	L1-EP-07_19_20211014	L1-EP-08_19_20211014	L1-EP-08X_19_20211014
			Laboratory Sample ID	460-244461-6	460-244461-7	460-245127-1	460-245127-2	460-245127-3
			Date Sampled	10/06/2021	10/06/2021	10/14/2021	10/14/2021	10/14/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0012 U	0.0015 U	0.0012 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0012 U	0.0015 U	0.0012 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0012 U	0.0015 U	0.0012 U	0.0013 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0012 U	0.0015 U	0.0012 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
Acetone	**0.05**	100	*0.05*	0.0065 U	0.007 U	0.009 U	0.0071 U	0.0079 U
Benzene	0.06	4.8	0.06	0.0011 U	0.0012 U	0.0015 U	0.0012 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0012 U	0.0015 U	0.0012 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
Chloroform	0.37	49	0.37	0.0011 U	0.0012 U	0.0015 U	0.0012 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
Ethylbenzene	1	41	1	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0054 U	0.0058 U	0.0075 U	0.0059 UJ	0.0066 UJ
Methylene Chloride	**0.05**	100	*0.05*	0.0022 U	0.0023 U	0.003 U	0.0024 U	0.0026 U
N-Butylbenzene	12	100	12	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
Sec-Butylbenzene	11	100	11	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0012 U	0.0015 U	0.0012 U	0.0013 U
Toluene	0.7	100	0.7	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0012 U	0.0015 U	0.0012 UJ	0.0013 UJ
Trichloroethylene (TCE)	0.47	21	0.47	0.0011 U	0.0012 U	0.0014 J	0.0012 UJ	0.00059 JL
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0012 U	0.0015 U	0.0012 U	0.0013 U
Xylenes	0.26	100	1.6	0.0022 U	0.0023 U	0.003 U	0.0024 UJ	0.0026 UJ

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-09_19_20211014	L1-EP-10_19_20211014	L1-EP-11_19_20211021	L1-EP-12_19_20211021	L1-EP-12X_19_20211021
			Laboratory Sample ID	460-245127-4	460-245127-5	460-245675-1	460-245675-2	460-245675-3
			Date Sampled	10/14/2021	10/14/2021	10/21/2021	10/21/2021	10/21/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Acetone	**0.05**	100	*0.05*	0.0072 U	0.0073 U	0.0072 U	0.0092 U	0.0068 U
Benzene	0.06	4.8	0.06	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Chloroform	0.37	49	0.37	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Ethylbenzene	1	41	1	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.006 U	0.0061 U	0.006 U	0.0077 U	0.0057 U
Methylene Chloride	**0.05**	100	*0.05*	0.0024 U	0.0024 U	0.0024 U	0.0031 U	0.0023 U
N-Butylbenzene	12	100	12	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Sec-Butylbenzene	11	100	11	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Toluene	0.7	100	0.7	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0012 U	0.0012 U	0.0015 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0018	0.0012 U	0.0013	0.0015 U	0.0017
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0012 U	0.0012 UJ	0.0015 UJ	0.0011 UJ
Xylenes	0.26	100	1.6	0.0024 U	0.0024 U	0.0024 U	0.0031 U	0.0023 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-13_19_20211021	L1-EP-14_19_20211021	L1-EP-15_19_20211021	L1-EP-16_19_20211021	L1-EP-17_14_20211021
			Laboratory Sample ID	460-245675-4	460-245675-5	460-245675-6	460-245675-7	460-245675-8
			Date Sampled	10/21/2021	10/21/2021	10/21/2021	10/21/2021	10/21/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Acetone	**0.05**	100	*0.05*	0.0068 U	0.0075 U	0.011	0.0073 U	0.0069 U
Benzene	0.06	4.8	0.06	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Chloroform	0.37	49	0.37	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Ethylbenzene	1	41	1	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0056 U	0.0063 U	0.0055 U	0.0061 U	0.0058 U
Methylene Chloride	**0.05**	100	*0.05*	0.0023 U	0.0025 U	0.0022 U	0.0024 U	0.0023 U
N-Butylbenzene	12	100	12	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Toluene	0.7	100	0.7	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0013	0.0013 U	0.00086 J	0.0012 U	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 UJ	0.0013 UJ	0.0011 UJ	0.0012 UJ	0.0012 UJ
Xylenes	0.26	100	1.6	0.0023 U	0.0025 U	0.0022 U	0.0024 U	0.0023 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-18_14_20211021	L1-EP-19_13_20211022	L1-EP-19X_13_20211022	L1-EP-20_13_20211022	L1-EP-21_13_20211022
			Laboratory Sample ID	460-245675-9	460-245759-1	460-245759-2	460-245759-3	460-245759-4
			Date Sampled	10/21/2021	10/22/2021	10/22/2021	10/22/2021	10/22/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	2.4	0.001 U	0.0013 UJ	0.0011 UJ	0.0011 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	1.8	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Acetone	**0.05**	100	*0.05*	0.0062 U	0.0078 U	0.0069 U	0.0068 U	0.0074 U
Benzene	0.06	4.8	0.06	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Chloroform	0.37	49	0.37	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Ethylbenzene	1	41	1	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0052 U	0.0065 U	0.0057 U	0.0057 U	0.0061 U
Methylene Chloride	**0.05**	100	*0.05*	0.0021 U	0.0026 U	0.0023 U	0.0023 U	0.0025 U
N-Butylbenzene	12	100	12	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Sec-Butylbenzene	11	100	11	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
T-Butylbenzene	5.9	100	5.9	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.001 U	0.0013 UJ	0.0011 UJ	0.0011 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Toluene	0.7	100	0.7	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.001 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	0.001 UJ	0.0013 UJ	0.0011 UJ	0.0011 UJ	0.0012 UJ
Xylenes	0.26	100	1.6	0.0021 U	0.0026 UJ	0.0023 UJ	0.0023 U	0.0025 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-22_13_20211022	L1-EP-23_13_20211022	L1-EP-24_13_20211022	L1-EP-25_13_20211022	L1-EP-26_8_20211028
			Laboratory Sample ID	460-245759-5	460-245759-6	460-245759-7	460-245759-8	460-246139-1
			Date Sampled	10/22/2021	10/22/2021	10/22/2021	10/22/2021	10/28/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Acetone	**0.05**	100	*0.05*	0.0066 U	0.007 U	0.0066 U	0.0066 U	0.0073 U
Benzene	0.06	4.8	0.06	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 UJ
Chloroform	0.37	49	0.37	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Ethylbenzene	1	41	1	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0055 U	0.0058 U	0.0055 U	0.0055 U	0.0061 UJ
Methylene Chloride	**0.05**	100	*0.05*	0.0022 U	0.0023 U	0.0022 U	0.0022 U	0.0024 U
N-Butylbenzene	12	100	12	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 UJ
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.00038 J
Toluene	0.7	100	0.7	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0013 J
Vinyl Chloride	0.02	0.9	0.02	0.0011 UJ	0.0012 UJ	0.0011 UJ	0.0011 UJ	0.0012 U
Xylenes	0.26	100	1.6	0.0022 U	0.0023 U	0.0022 U	0.0022 U	0.0024 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-26X_8_20211028	L1-EP-27_8_20211028	L1-EP-28_8_20211028	L1-EP-29_9_20211028	L1-EP-30_8_20211028
			Laboratory Sample ID	460-246139-9	460-246139-2	460-246139-3	460-246139-4	460-246139-5
			Date Sampled	10/28/2021	10/28/2021	10/28/2021	10/28/2021	10/28/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.00032 J	0.0013 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
Acetone	**0.05**	100	*0.05*	0.0068 U	0.0078 U	0.0075 U	0.0071 U	0.0065 U
Benzene	0.06	4.8	0.06	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0011 UJ	0.0013 UJ	0.0013 UJ	0.0012 UJ	0.0011 UJ
Chloroform	0.37	49	0.37	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
Ethylbenzene	1	41	1	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0057 UJ	0.0065 UJ	0.0063 UJ	0.0059 UJ	0.0054 UJ
Methylene Chloride	**0.05**	100	*0.05*	0.0023 U	0.0026 U	0.0025 U	0.0024 U	0.0022 U
N-Butylbenzene	12	100	12	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 UJ	0.0013 UJ	0.0013 UJ	0.0012 UJ	0.0011 UJ
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00074 J	0.0069	0.0013 U	0.00043 J	0.0011 U
Toluene	0.7	100	0.7	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.003 J	0.021	0.0013 U	0.001 J	0.0038
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U
Xylenes	0.26	100	1.6	0.0023 U	0.0026 U	0.0025 U	0.0024 U	0.0022 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-31_8_20211028	L1-EP-32_17_20211213	L1-EP-33_17_20211213	L1-EP-34_14_20211213	L1-EP-35_9_20211213
			Laboratory Sample ID	460-246139-6	460-249032-5	460-249032-4	460-249032-2	460-249032-3
			Date Sampled	10/28/2021	12/13/2021	12/13/2021	12/13/2021	12/13/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
1,1-Dichloroethane	0.27	26	0.27	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
1,1-Dichloroethene	0.33	100	0.33	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
1,2-Dichlorobenzene	1.1	100	1.1	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
1,2-Dichloroethane	0.02	3.1	0.02	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
1,3-Dichlorobenzene	2.4	49	2.4	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
1,4-Dichlorobenzene	1.8	13	1.8	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
Acetone	**0.05**	100	*0.05*	0.0056 U	0.0073 U	0.0067 U	0.0069 U	0.0059 U
Benzene	0.06	4.8	0.06	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
Carbon Tetrachloride	0.76	2.4	0.76	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
Chlorobenzene	1.1	100	1.1	0.00093 UJ	0.0012 U	0.0011 U	0.0012 U	0.00099 U
Chloroform	0.37	49	0.37	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
Ethylbenzene	1	41	1	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0047 UJ	0.0061 U	0.0056 U	0.0058 U	0.0049 U
Methylene Chloride	**0.05**	100	*0.05*	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.002 U
N-Butylbenzene	12	100	12	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
Sec-Butylbenzene	11	100	11	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
T-Butylbenzene	5.9	100	5.9	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.00093 UJ	0.0012 U	0.0011 U	0.0012 U	0.00099 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.0011
Toluene	0.7	100	0.7	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.00093 U	0.0012 U	0.0011 U	0.0012 U	0.00099 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0018	0.0012 U	0.014	0.0012 U	0.0026
Vinyl Chloride	0.02	0.9	0.02	0.00093 U	0.0012 UJ	0.0011 UJ	0.0012 UJ	0.00099 UJ
Xylenes	0.26	100	1.6	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.002 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-36_9_20211213	L1-EP-37_9_20211213	L1-EP-37X_9_20211213	L1-EP-38_6_20211213	L1-EP-39_6_20211213
			Laboratory Sample ID	460-249032-1	460-249032-7	460-249032-6	460-249032-8	460-249032-9
			Date Sampled	12/13/2021	12/13/2021	12/13/2021	12/13/2021	12/13/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.001 U	0.0011 U	0.0013 U	0.0011 UJ	0.0011 UJ
1,2-Dichlorobenzene	1.1	100	1.1	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4	0.001 U	0.0011 UJ	0.0013 UJ	0.0011 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8	0.001 U	0.0011 UJ	0.0013 UJ	0.0011 U	0.0011 U
Acetone	**0.05**	100	*0.05*	0.006 U	0.0068 U	0.0077 U	0.0067 U	0.0064 U
Benzene	0.06	4.8	0.06	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
Chloroform	0.37	49	0.37	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
Ethylbenzene	1	41	1	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.005 U	0.0056 U	0.0064 U	0.0056 U	0.0053 U
Methylene Chloride	**0.05**	100	*0.05*	0.0021	0.0023 U	0.0026 U	0.0022 U	0.0021 U
N-Butylbenzene	12	100	12	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
Sec-Butylbenzene	11	100	11	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
Toluene	0.7	100	0.7	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.001 U	0.0011 U	0.0013 U	0.0011 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.001 U	0.00088 J	0.0013	0.0062	0.00039 J
Vinyl Chloride	0.02	0.9	0.02	0.001 UJ	0.0011 UJ	0.0013 UJ	0.0011 U	0.0011 U
Xylenes	0.26	100	1.6	0.002 U	0.0023 U	0.0026 U	0.0022 U	0.0021 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-40_9_20211228	L1-EP-40X_9_20211228	L1-EP-41_8_20211228	L1-EP-42_9_20211228	L1-EP-43_8_20211228
			Laboratory Sample ID	460-249912-1	460-249912-2	460-249912-3	460-249912-4	460-249912-5
			Date Sampled	12/28/2021	12/28/2021	12/28/2021	12/28/2021	12/28/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 UJ	0.0012 UJ	0.0011 U	0.0012 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 UJ	0.0012 UJ	0.0011 U	0.0012 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 UJ	0.0012 UJ	0.0011 U	0.0012 U	0.0012 U
Acetone	**0.05**	100	*0.05*	0.046 J	0.011 J	0.027	0.011	0.0098
Benzene	0.06	4.8	0.06	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Chloroform	0.37	49	0.37	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0012 U	0.0011 U	0.0005 J	0.0012 U
Ethylbenzene	1	41	1	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0055 U	0.0062 U	0.0055 U	0.0058 U	0.0062 U
Methylene Chloride	**0.05**	100	*0.05*	0.0022 U	0.0025 U	0.0022 U	0.0023 U	0.0025 U
N-Butylbenzene	12	100	12	0.0011 UJ	0.0012 UJ	0.0011 U	0.0012 U	0.0012 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0019	0.0019	0.0038	0.0033	0.001 J
Toluene	0.7	100	0.7	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.003	0.003	0.0019	0.0043	0.00098 J
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Xylenes	0.26	100	1.6	0.0022 U	0.0025 U	0.0022 U	0.0023 U	0.0025 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-44_9_20211228	L1-EP-45_8_20211228	L1-EP-46_9_20211229	L1-EP-46X_9_20211229	L1-EP-47_9_20220104
			Laboratory Sample ID	460-249912-6	460-249912-7	460-249994-1	460-249994-2	460-250100-1
			Date Sampled	12/28/2021	12/28/2021	12/29/2021	12/29/2021	1/04/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 UJ
1,2-Dichlorobenzene	1.1	100	1.1	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 UJ
1,2-Dichloroethane	0.02	3.1	0.02	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 UJ
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 UJ
1,4-Dichlorobenzene	1.8	13	1.8	0.0014 U	0.0013 U	0.0013 UJ	0.0011 UJ	0.0013 UJ
Acetone	**0.05**	100	*0.05*	0.019	***0.074***	0.008 U	0.0082 J	0.012
Benzene	0.06	4.8	0.06	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 UJ
Chloroform	0.37	49	0.37	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0014 U	0.0011 J	0.0013 U	0.0011 U	0.0013 U
Ethylbenzene	1	41	1	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0069 U	0.0064 U	0.0067 U	0.0056 U	0.0065 U
Methylene Chloride	**0.05**	100	*0.05*	0.0028 U	0.0026 U	0.0027 U	0.0022 U	0.0026 U
N-Butylbenzene	12	100	12	0.0014 U	0.0013 U	0.0013 UJ	0.0011 UJ	0.0013 UJ
Sec-Butylbenzene	11	100	11	0.0014 U	0.0013 U	0.0013 UJ	0.0011 UJ	0.0013 UJ
T-Butylbenzene	5.9	100	5.9	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.009	0.0049	0.00063 J	0.00042 J	0.0011 J
Toluene	0.7	100	0.7	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0039	0.0017	0.00097 J	0.0011	0.002
Vinyl Chloride	0.02	0.9	0.02	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U
Xylenes	0.26	100	1.6	0.0028 U	0.0026 U	0.0027 U	0.0022 U	0.0026 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-47X_9_20220104	L1-EP-48_8_20220106	L1-EP-49_9_20220106	L1-EP-49X_9_20220106	L1-EP-50_15_20220110
			Laboratory Sample ID	460-250100-2	460-250264-1	460-250264-2	460-250264-3	460-250415-1
			Date Sampled	1/04/2022	1/06/2022	1/06/2022	1/06/2022	1/10/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0012 UJ	0.0014 U	0.0011 U	0.0015 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0012 UJ	0.0014 U	0.0011 U	0.0015 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 UJ	0.0014 U	0.0011 U	0.0015 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0012 UJ	0.0014 U	0.0011 UJ	0.0015 UJ	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0012 UJ	0.0014 U	0.0011 UJ	0.0015 UJ	0.0011 U
Acetone	**0.05**	100	*0.05*	0.01	0.0085 U	0.0066 U	0.014 J	0.0068 U
Benzene	0.06	4.8	0.06	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0012 UJ	0.0014 U	0.0011 U	0.0015 U	0.0011 U
Chloroform	0.37	49	0.37	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
Ethylbenzene	1	41	1	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0059 U	0.0071 U	0.0055 U	0.0073 U	0.0056 U
Methylene Chloride	**0.05**	100	*0.05*	0.0024 U	0.0028 U	0.0022 U	0.0029 U	0.0023 U
N-Butylbenzene	12	100	12	0.0012 UJ	0.0014 U	0.0011 UJ	0.0015 UJ	0.0011 U
Sec-Butylbenzene	11	100	11	0.0012 UJ	0.0014 U	0.0011 UJ	0.0015 UJ	0.0011 U
T-Butylbenzene	5.9	100	5.9	0.0012 U	0.0014 U	0.0011 UJ	0.0015 UJ	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00087 J	0.0043	0.0006 J	0.0015 U	0.0011 U
Toluene	0.7	100	0.7	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0018	0.0026	0.0019 J	0.00095 J	0.0011 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0014 U	0.0011 U	0.0015 U	0.0011 U
Xylenes	0.26	100	1.6	0.0024 U	0.0028 U	0.0022 U	0.0029 U	0.0023 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-51_15_20220110	L1-EP-51X_15_20220110	L1-EP-52_8_20220113	L1-EP-52X_8_20220113	L1-EP-53_8_20220118
			Laboratory Sample ID	460-250415-2	460-250415-3	460-250678-1	460-250678-2	460-250867-1
			Date Sampled	1/10/2022	1/10/2022	1/13/2022	1/13/2022	1/18/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
Acetone	**0.05**	100	*0.05*	0.0066 UJ	0.0066 UJ	0.012	0.013	0.0071 U
Benzene	0.06	4.8	0.06	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
Chloroform	0.37	49	0.37	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0013	0.0014 U	0.0013 U	0.0012 U
Ethylbenzene	1	41	1	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0024
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0055 U	0.0055 U	0.0071 U	0.0066 U	0.0059 U
Methylene Chloride	**0.05**	100	*0.05*	0.0022 U	0.0022 U	0.0028 U	0.0026 U	0.0024 U
N-Butylbenzene	12	100	12	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0011 U	0.0038	0.0034	0.00084 J
Toluene	0.7	100	0.7	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0089 J	0.058 J	0.0035	0.0026	0.0046
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0011 U	0.0014 U	0.0013 U	0.0012 U
Xylenes	0.26	100	1.6	0.0022 U	0.0022 U	0.0028 U	0.0026 U	0.0024 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-54_8_20220118	L1-EP-55_3_20220118	L1-EP-56_3_20220118	L1-EP-56X_3_20220118	L1-EP-57_3_20220118
			Laboratory Sample ID	460-250867-2	460-250867-3	460-250867-4	460-250867-6	460-250867-5
			Date Sampled	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0013 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0013 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0013 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0013 U	0.0015 UJ	0.0011 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0013 U	0.0015 UJ	0.0011 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0013 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0013 U	0.0015 UJ	0.0011 U	0.0011 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0013 U	0.0015 UJ	0.0011 U	0.0011 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0013 U	0.0015 UJ	0.0011 U	0.0011 U	0.0011 U
Acetone	**0.05**	100	*0.05*	0.0079 U	0.0093 U	0.0066	0.0077	0.0065 U
Benzene	0.06	4.8	0.06	0.0013 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0013 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0013 U	0.0015 UJ	0.0011 U	0.0011 U	0.0011 U
Chloroform	0.37	49	0.37	0.0013 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0013 U	0.0015 U	0.0012	0.0012	0.0011 U
Ethylbenzene	1	41	1	0.0013 U	0.0015 UJ	0.0011 U	0.0011 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0066 U	0.0077 U	0.0053 U	0.0055 U	0.0054 U
Methylene Chloride	**0.05**	100	*0.05*	0.0026 U	0.0079 J	0.0021 U	0.0022 U	0.0022 U
N-Butylbenzene	12	100	12	0.0013 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U
Sec-Butylbenzene	11	100	11	0.0013 U	0.0015 UJ	0.0011 U	0.0011 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	0.0013 U	0.0015 UJ	0.0011 U	0.0011 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0013 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00051 J	0.00065 J	0.0016	0.0017	0.00047 J
Toluene	0.7	100	0.7	0.0013 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0013 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0012 J	0.0079	0.028	0.034	0.02
Vinyl Chloride	0.02	0.9	0.02	0.0013 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U
Xylenes	0.26	100	1.6	0.0026 U	0.0031 UJ	0.0021 U	0.0022 U	0.0022 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-58_4_20220118	L1-EP-59_4_20220118	L1-EP-60_6_20220125	L1-EP-61_15_20220125	L1-EP-61X_15_20220125
			Laboratory Sample ID	460-250867-9	460-250867-10	460-251253-1	460-251253-2	460-251253-8
			Date Sampled	1/18/2022	1/18/2022	1/25/2022	1/25/2022	1/25/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
Acetone	**0.05**	100	*0.05*	0.022	0.018	0.017	0.0078 J	0.02 J
Benzene	0.06	4.8	0.06	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
Chloroform	0.37	49	0.37	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.004	0.00086 J	0.0013 U	0.0013 U
Ethylbenzene	1	41	1	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0055 U	0.0066 U	0.005 U	0.0066 U	0.0063 U
Methylene Chloride	**0.05**	100	*0.05*	0.0048	0.0089	0.0038	0.0027 U	0.0025 U
N-Butylbenzene	12	100	12	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012	0.0036	0.0041	0.0013 U	0.0013 U
Toluene	0.7	100	0.7	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.00057 J	0.001 U	0.0013 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0057	0.072	0.014	0.00049 J	0.0013 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0013 U
Xylenes	0.26	100	1.6	0.0022 U	0.0026 U	0.002 U	0.0027 U	0.0025 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-62_8_20220125	L1-EP-63_8_20220125	L1-EP-64_15_20220125	L1-EP-65_5_20220223	L1-EP-65X_5_20220223
			Laboratory Sample ID	460-251253-3	460-251253-4	460-251253-5	460-253101-1	460-253101-2
			Date Sampled	1/25/2022	1/25/2022	1/25/2022	2/23/2022	2/23/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0014 U	0.0013 U	0.0013 U	0.0011 UJ	0.0011 UJ
1,2-Dichlorobenzene	1.1	100	1.1	0.0014 U	0.0013 U	0.0013 U	0.0011 UJ	0.0011 UJ
1,2-Dichloroethane	0.02	3.1	0.02	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0014 U	0.0013 U	0.0013 U	0.0011 UJ	0.0011 UJ
1,3-Dichlorobenzene	2.4	49	2.4	0.0014 U	0.0013 U	0.0013 U	0.0011 UJ	0.0011 UJ
1,4-Dichlorobenzene	1.8	13	1.8	0.0014 U	0.0013 U	0.0013 U	0.0011 UJ	0.0011 UJ
Acetone	**0.05**	100	*0.05*	0.014	0.018	0.0075 U	0.0066 U	0.0064 U
Benzene	0.06	4.8	0.06	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0014 U	0.0013 U	0.0013 U	0.0011 UJ	0.0011 UJ
Chloroform	0.37	49	0.37	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0014 U	0.0013 U	0.0013 U	0.00048 J	0.00052 J
Ethylbenzene	1	41	1	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0069 U	0.0065 U	0.0063 U	0.0055 U	0.0053 U
Methylene Chloride	**0.05**	100	*0.05*	0.0028 U	0.0021 J	0.0025 U	0.0022 U	0.0021 U
N-Butylbenzene	12	100	12	0.0014 U	0.0013 U	0.0013 U	0.0011 UJ	0.0011 UJ
Sec-Butylbenzene	11	100	11	0.0014 U	0.0013 U	0.0013 U	0.0011 UJ	0.0011 UJ
T-Butylbenzene	5.9	100	5.9	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0014	0.0011 J	0.0013 U	0.0012 JL	0.00095 JL
Toluene	0.7	100	0.7	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0036	0.0067	0.0013 U	0.0065	0.008
Vinyl Chloride	0.02	0.9	0.02	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0011 U
Xylenes	0.26	100	1.6	0.0028 U	0.0026 U	0.0025 U	0.0022 UJ	0.0021 UJ

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-66_5_20220223	L1-EP-67_4.5_20220223	L1-EP-68_4.5_20220223	L1-EP-69_4_20220301	L1-EP-69X_4_20220301
			Laboratory Sample ID	460-253101-3	460-253101-4	460-253101-5	460-253438-1	460-253438-2
			Date Sampled	2/23/2022	2/23/2022	2/23/2022	3/01/2022	3/01/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	0.001 U	0.0011 U	0.0011 U	0.001 UJ	0.0012 UJ
1,2-Dichloroethane	0.02	3.1	0.02	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	2.4	0.001 U	0.0011 U	0.0011 U	0.001 UJ	0.0012 UJ
1,4-Dichlorobenzene	1.8	13	1.8	0.001 U	0.0011 U	0.0011 U	0.001 UJ	0.0012 UJ
Acetone	**0.05**	100	*0.05*	0.0061 U	0.0064 U	0.0067 U	0.0084 JK	0.013 JK
Benzene	0.06	4.8	0.06	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
Chloroform	0.37	49	0.37	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0008 J	0.00092 J	0.0035	0.00064 J	0.00068 J
Ethylbenzene	1	41	1	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0051 U	0.0053 U	0.0056 U	0.0051 U	0.0061 U
Methylene Chloride	**0.05**	100	*0.05*	0.002 U	0.0021 U	0.0022 U	0.002 U	0.0025 U
N-Butylbenzene	12	100	12	0.001 U	0.0011 U	0.0011 U	0.001 UJ	0.0012 UJ
Sec-Butylbenzene	11	100	11	0.001 U	0.0011 U	0.0011 U	0.001 UJ	0.0012 UJ
T-Butylbenzene	5.9	100	5.9	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00086 J	0.0039	0.021	0.0021	0.0033
Toluene	0.7	100	0.7	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0067	0.029	0.013	0.03 JK	0.031 JK
Vinyl Chloride	0.02	0.9	0.02	0.001 U	0.0011 U	0.0011 U	0.001 U	0.0012 U
Xylenes	0.26	100	1.6	0.002 U	0.0021 U	0.0022 U	0.002 U	0.0025 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-70_4_20220301	L1-EP-71_4_20220301	L1-EP-72_8_20220309	L1-EP-72X_8_20220309	L1-EP-FB-01_20211006
			Laboratory Sample ID	460-253438-3	460-253438-4	460-253966-1	460-253966-2	460-244461-8
			Date Sampled	3/01/2022	3/01/2022	3/09/2022	3/09/2022	10/06/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
Acetone	**0.05**	100	*0.05*	***0.065***	0.0062 U	0.041	0.03	5 U
Benzene	0.06	4.8	0.06	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
Chloroform	0.37	49	0.37	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00096 J	0.001	0.0014 U	0.0012 U	1 U
Ethylbenzene	1	41	1	0.0011 U	0.00025 J	0.0014 U	0.0012 U	1 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.061	0.0052 U	0.0072 U	0.0061 U	5 U
Methylene Chloride	**0.05**	100	*0.05*	0.0022 U	0.0021 U	0.0029 U	0.0025 U	0.71 J
N-Butylbenzene	12	100	12	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.004	0.0044	0.0014 U	0.0012 U	1 U
Toluene	0.7	100	0.7	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	0.044	0.024	0.0014 U	0.00043 J	1 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.001 U	0.0014 U	0.0012 U	1 U
Xylenes	0.26	100	1.6	0.0022 U	0.0021 U	0.0029 U	0.0025 U	2 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-FB-02_20211014	L1-EP-FB-03_20211021	L1-EP-FB-04_20211022	L1-EP-FB-05_20211028	L1-EP-FB-06_20211213
			Laboratory Sample ID	460-245127-6	460-245675-11	460-245759-17	460-246139-7	460-249032-10
			Date Sampled	10/14/2021	10/21/2021	10/22/2021	10/28/2021	12/13/2021
			Dilution Factor	1	1	1	1	1
			Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	2.4	49	2.4	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1.8	13	1.8	1 U	1 U	1 U	1 U	1 U
Acetone	**0.05**	100	*0.05*	5 U	5 U	5 U	5 U	5 U
Benzene	0.06	4.8	0.06	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1	41	1	1 U	1 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	**0.05**	100	*0.05*	1 U	0.36 J	1 U	1 U	1 U
N-Butylbenzene	12	100	12	1 U	1 U	1 U	1 U	1 U
Sec-Butylbenzene	11	100	11	1 U	1 U	1 U	1 U	1 U
T-Butylbenzene	5.9	100	5.9	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	0.93	100	0.93	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U	1 U
Toluene	0.7	100	0.7	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U	1 U	1 U
Xylenes	0.26	100	1.6	1 U	2 U	2 U	2 U	2 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-FB-07_20211228	L1-EP-FB-08_20211229	L1-EP-FB-09_20220104	L1-EP-FB-10_20220106	L1-EP-FB-11_20220110
			Laboratory Sample ID	460-249912-8	460-249994-3	460-250100-3	460-250264-4	460-250415-4
			Date Sampled	12/28/2021	12/29/2021	1/04/2022	1/06/2022	1/10/2022
			Dilution Factor	1	1	1	1	1
			Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	1 U	1 U	1 U	1 UJ	1 U
1,2-Dichlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	2.4	49	2.4	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1.8	13	1.8	1 U	1 U	1 U	1 U	1 U
Acetone	**0.05**	100	*0.05*	5 U	5 U	5 U	5 U	5 U
Benzene	0.06	4.8	0.06	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1	41	1	1 U	1 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	**0.05**	100	*0.05*	1 U	1 U	1 U	1 U	1 U
N-Butylbenzene	12	100	12	1 U	1 U	1 U	1 U	1 U
Sec-Butylbenzene	11	100	11	1 U	1 U	1 U	1 U	1 U
T-Butylbenzene	5.9	100	5.9	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	0.93	100	0.93	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U	1 U
Toluene	0.7	100	0.7	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U	1 U	1 U
Xylenes	0.26	100	1.6	2 U	2 U	2 U	2 U	2 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-FB-12_20220113	L1-EP-FB-14_20220125	L1-EP-FB-15_20220223	L1-EP-FB-16_20220301	L1-EP-FB-17_20220309
			Laboratory Sample ID	460-250678-3	460-251253-6	460-253101-6	460-253438-5	460-253966-3
			Date Sampled	1/13/2022	1/25/2022	2/23/2022	3/01/2022	3/09/2022
			Dilution Factor	1	1	1	1	1
			Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	2.4	49	2.4	1 U	1 U	1 U	1 UJ	1 U
1,4-Dichlorobenzene	1.8	13	1.8	1 U	1 U	1 U	1 UJ	1 U
Acetone	**0.05**	100	*0.05*	5 U	5 U	5 U	5 U	5 U
Benzene	0.06	4.8	0.06	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1	41	1	1 U	1 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	5 U	5 U	5 U	5 U	5 UT
Methylene Chloride	**0.05**	100	*0.05*	2.3	1 U	1 U	1 U	1 U
N-Butylbenzene	12	100	12	1 U	1 U	1 U	1 U	1 U
Sec-Butylbenzene	11	100	11	1 U	1 U	1 U	1 U	1 U
T-Butylbenzene	5.9	100	5.9	1 U	1 U	1 UJ	1 UJ	1 UT
Tert-Butyl Methyl Ether	0.93	100	0.93	1 U	1 U	1 UJ	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U	1 U
Toluene	0.7	100	0.7	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U	1 U	1 UT
Xylenes	0.26	100	1.6	2 U	2 U	2 U	2 U	2 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-FB-13_20220118	L1-EP-TB_14_20220125	L1-EP-TB-01_20211006	L1-EP-TB-02_20211014	L1-EP-TB-03_20211021
			Laboratory Sample ID	460-250867-7	460-251253-7	460-244461-9	460-245127-7	460-245675-10
			Date Sampled	1/18/2022	1/25/2022	10/06/2021	10/14/2021	10/21/2021
			Dilution Factor	1	1	1	1	1
			Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	2.4	49	2.4	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1.8	13	1.8	1 U	1 U	1 U	1 U	1 U
Acetone	**0.05**	100	*0.05*	5 U	5 U	5 U	5 U	5 U
Benzene	0.06	4.8	0.06	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1	41	1	1 U	1 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	**0.05**	100	*0.05*	1 U	0.48 J	1 U	1 U	1 U
N-Butylbenzene	12	100	12	1 U	1 U	1 U	1 U	1 U
Sec-Butylbenzene	11	100	11	1 U	1 U	1 U	1 U	1 U
T-Butylbenzene	5.9	100	5.9	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	0.93	100	0.93	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U	1 U
Toluene	0.7	100	0.7	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U	1 U	1 U
Xylenes	0.26	100	1.6	2 U	2 U	2 U	1 U	2 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-TB-04_20211022	L1-EP-TB-05_20211028	L1-EP-TB-06_20211213	L1-EP-TB-07_20211228	L1-EP-TB-08_20211229
			Laboratory Sample ID	460-245759-18	460-246139-8	460-249032-11	460-249912-9	460-249994-4
			Date Sampled	10/22/2021	10/28/2021	12/13/2021	12/28/2021	12/29/2021
			Dilution Factor	1	1	1	1	1
			Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	2.4	49	2.4	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1.8	13	1.8	1 U	1 U	1 U	1 U	1 U
Acetone	**0.05**	100	*0.05*	5 U	5 U	5 U	5 U	5 U
Benzene	0.06	4.8	0.06	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1	41	1	1 U	1 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	**0.05**	100	*0.05*	1 U	1 U	1 U	1 U	1.7
N-Butylbenzene	12	100	12	1 U	1 U	1 U	1 U	1 U
Sec-Butylbenzene	11	100	11	1 U	1 U	1 U	1 U	1 U
T-Butylbenzene	5.9	100	5.9	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	0.93	100	0.93	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U	1 U
Toluene	0.7	100	0.7	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U	1 U	1 U
Xylenes	0.26	100	1.6	2 U	2 U	2 U	2 U	2 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-EP-TB-09_20220104	L1-EP-TB-10_20220106	L1-EP-TB-11_20220110	L1-EP-TB-12_20220113	L1-EP-TB-15_20220223
			Laboratory Sample ID	460-250100-4	460-250264-5	460-250415-5	460-250678-4	460-253101-7
			Date Sampled	1/04/2022	1/06/2022	1/10/2022	1/13/2022	2/23/2022
			Dilution Factor	1	1	1	1	1
			Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	1 U	1 UJ	1 U	1 U	1 U
1,2-Dichlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	2.4	49	2.4	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1.8	13	1.8	1 U	1 U	1 U	1 U	1 U
Acetone	**0.05**	100	*0.05*	5 U	5 U	5 U	5 U	5 U
Benzene	0.06	4.8	0.06	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1	41	1	1 U	1 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	**0.05**	100	*0.05*	1 U	1 U	1 U	1 U	0.42 J
N-Butylbenzene	12	100	12	1 U	1 U	1 U	1 U	1 U
Sec-Butylbenzene	11	100	11	1 U	1 U	1 U	1 U	1 U
T-Butylbenzene	5.9	100	5.9	1 U	1 U	1 U	1 U	1 UJ
Tert-Butyl Methyl Ether	0.93	100	0.93	1 U	1 U	1 U	1 U	1 UJ
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U	1 U
Toluene	0.7	100	0.7	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U	1 U	1 U
Xylenes	0.26	100	1.6	2 U	2 U	2 U	2 U	2 U

Table 4
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	L1-EP-TB-16_20220301	L1-EP-TB-17_20220309	L1-EP-TB-13_20220118
				Laboratory Sample ID	460-253438-6	460-253966-4	460-250867-8
				Date Sampled	3/01/2022	3/09/2022	1/18/2022
				Dilution Factor	1	1	1
				Unit	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27		1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33		1 U	1 U	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6		1 U	1 U	1 U
1,2-Dichlorobenzene	1.1	100	1.1		1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02		1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4		1 U	1 U	1 U
1,3-Dichlorobenzene	2.4	49	2.4		1 UJ	1 U	1 U
1,4-Dichlorobenzene	1.8	13	1.8		1 UJ	1 U	1 U
Acetone	**0.05**	100	*0.05*		5 U	5 U	5 U
Benzene	0.06	4.8	0.06		1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76		1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1		1 U	1 U	1 U
Chloroform	0.37	49	0.37		1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		1 U	1 U	1 U
Ethylbenzene	1	41	1		1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12		5 U	5 UT	5 U
Methylene Chloride	**0.05**	100	*0.05*		0.41 J	0.38 J	1 U
N-Butylbenzene	12	100	12		1 U	1 U	1 U
Sec-Butylbenzene	11	100	11		1 U	1 U	1 U
T-Butylbenzene	5.9	100	5.9		1 UJ	1 UT	1 U
Tert-Butyl Methyl Ether	0.93	100	0.93		1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3		1 U	1 U	1 U
Toluene	0.7	100	0.7		1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19		1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47		1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02		1 U	1 UT	1 U
Xylenes	0.26	100	1.6		2 U	2 U	2 U

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-01_19_20211006	L1-EP-02_19_20211006	L1-EP-03_19_20211006	L1-EP-04_19_20211006	L1-EP-05_19_20211006
		Laboratory Sample ID	460-244461-1	460-244461-2	460-244461-3	460-244461-4	460-244461-5
		Date Sampled	10/06/2021	10/06/2021	10/06/2021	10/06/2021	10/06/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.034 UJ	0.034 UJ	0.034 U	0.034 UJ	0.034 UJ
Acenaphthene	20	100	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ
Acenaphthylene	100	100	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ
Anthracene	100	100	0.013 J	0.34 U	0.34 U	0.34 U	0.34 U
Benzo(a)Anthracene	1	1	0.045	0.034 U	0.024 J	0.034 U	0.034 UJ
Benzo(a)Pyrene	1	1	0.049	0.034 U	0.02 J	0.034 U	0.034 U
Benzo(b)Fluoranthene	1	1	0.061	0.034 U	0.03 J	0.034 U	0.034 U
Benzo(g,h,i)Perylene	100	100	0.036 JK	0.34 UJ	0.014 JK	0.34 UJ	0.34 UJ
Benzo(k)Fluoranthene	0.8	3.9	0.026 J	0.034 U	0.012 J	0.034 U	0.034 U
Chrysene	1	3.9	0.06 J	0.34 U	0.021 J	0.34 U	0.34 U
Dibenz(a,h)Anthracene	0.33	0.33	0.034 UJ	0.034 UJ	0.034 U	0.034 UJ	0.034 UJ
Fluoranthene	100	100	0.099 J	0.34 U	0.035 J	0.34 U	0.34 U
Fluorene	30	100	0.0051 J	0.34 U	0.34 U	0.34 U	0.34 UJ
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.043 JK	0.034 UJ	0.015 JK	0.034 UJ	0.034 UJ
Naphthalene	12	100	0.34 U	0.34 U	0.012 J	0.34 U	0.34 UJ
Phenanthrene	100	100	0.034 J	0.34 U	0.029 J	0.34 U	0.34 U
Pyrene	100	100	0.08 J	0.34 U	0.034 J	0.34 U	0.34 U

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-05X_19_20211006	L1-EP-06_19_20211006	L1-EP-07_19_20211014	L1-EP-08_19_20211014	L1-EP-08X_19_20211014
		Laboratory Sample ID	460-244461-6	460-244461-7	460-245127-1	460-245127-2	460-245127-3
		Date Sampled	10/06/2021	10/06/2021	10/14/2021	10/14/2021	10/14/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.034 UJ	0.034 UJ	0.033 U	0.034 U	0.033 U
Acenaphthene	20	100	0.34 UJ	0.34 U	0.33 U	0.34 U	0.33 U
Acenaphthylene	100	100	0.34 UJ	0.34 U	0.33 U	0.34 U	0.33 U
Anthracene	100	100	0.34 U	0.34 U	0.33 U	0.34 U	0.33 U
Benzo(a)Anthracene	1	1	0.034 UJ	0.034 U	0.017 J	0.019 J	0.031 J
Benzo(a)Pyrene	1	1	0.034 U	0.034 U	0.013 J	0.016 J	0.037 J
Benzo(b)Fluoranthene	1	1	0.034 U	0.034 U	0.021 J	0.021 J	0.048 J
Benzo(g,h,i)Perylene	100	100	0.34 UJ	0.34 UJ	0.012 J	0.01 J	0.027 J
Benzo(k)Fluoranthene	0.8	3.9	0.034 U	0.034 U	0.012 J	0.01 J	0.027 J
Chrysene	1	3.9	0.34 U	0.34 U	0.015 J	0.016 JL	0.026 JL
Dibenz(a,h)Anthracene	0.33	0.33	0.034 UJ	0.034 UJ	0.033 U	0.034 U	0.033 U
Fluoranthene	100	100	0.34 U	0.34 U	0.021 J	0.026 J	0.037 J
Fluorene	30	100	0.34 UJ	0.34 U	0.33 U	0.34 U	0.33 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.034 UJ	0.034 UJ	0.014 J	0.034 U	0.025 J
Naphthalene	12	100	0.34 UJ	0.34 U	0.33 U	0.34 U	0.33 U
Phenanthrene	100	100	0.34 U	0.34 U	0.014 J	0.013 J	0.016 J
Pyrene	100	100	0.34 U	0.34 U	0.02 J	0.023 J	0.038 J

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-09_19_20211014	L1-EP-10_19_20211014	L1-EP-11_19_20211021	L1-EP-12_19_20211021	L1-EP-12X_19_20211021
		Laboratory Sample ID	460-245127-4	460-245127-5	460-245675-1	460-245675-2	460-245675-3
		Date Sampled	10/14/2021	10/14/2021	10/21/2021	10/21/2021	10/21/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.034 U	0.034 U	0.034 U	0.043 U	0.035 U
Acenaphthene	20	100	0.34 U	0.34 U	0.34 U	0.43 U	0.35 U
Acenaphthylene	100	100	0.34 U	0.34 U	0.34 U	0.43 U	0.35 U
Anthracene	100	100	0.34 U	0.34 U	0.34 U	0.43 U	0.35 U
Benzo(a)Anthracene	1	1	0.014 J	0.02 J	0.034 U	0.043 U	0.016 J
Benzo(a)Pyrene	1	1	0.011 J	0.025 J	0.034 UJ	0.043 UJ	0.035 UJ
Benzo(b)Fluoranthene	1	1	0.013 J	0.024 J	0.034 U	0.043 U	0.012 J
Benzo(g,h,i)Perylene	100	100	0.34 U	0.019 J	0.34 U	0.43 U	0.35 U
Benzo(k)Fluoranthene	0.8	3.9	0.0078 J	0.016 J	0.034 U	0.043 U	0.035 U
Chrysene	1	3.9	0.01 J	0.016 J	0.34 U	0.43 U	0.01 J
Dibenz(a,h)Anthracene	0.33	0.33	0.034 U	0.034 U	0.034 UJ	0.043 UJ	0.035 UJ
Fluoranthene	100	100	0.013 J	0.014 J	0.34 U	0.43 U	0.018 J
Fluorene	30	100	0.34 U	0.34 U	0.34 U	0.43 U	0.35 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.034 U	0.023 J	0.034 U	0.043 U	0.035 U
Naphthalene	12	100	0.34 U	0.34 U	0.34 U	0.43 U	0.35 U
Phenanthrene	100	100	0.0099 J	0.34 U	0.34 U	0.43 U	0.011 J
Pyrene	100	100	0.015 J	0.015 J	0.34 U	0.43 U	0.017 J

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-13_19_20211021	L1-EP-14_19_20211021	L1-EP-15_19_20211021	L1-EP-16_19_20211021	L1-EP-17_14_20211021
		Laboratory Sample ID	460-245675-4	460-245675-5	460-245675-6	460-245675-7	460-245675-8
		Date Sampled	10/21/2021	10/21/2021	10/21/2021	10/21/2021	10/21/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.034 U	0.036 U	0.034 U	0.034 U	0.034 U
Acenaphthene	20	100	0.34 U	0.36 U	0.34 U	0.34 U	0.34 U
Acenaphthylene	100	100	0.34 U	0.36 U	0.34 U	0.34 U	0.34 U
Anthracene	100	100	0.34 U	0.36 U	0.34 U	0.34 U	0.34 U
Benzo(a)Anthracene	1	1	0.034 U	0.036 U	0.034 U	0.034 U	0.034 U
Benzo(a)Pyrene	1	1	0.034 UJ	0.036 UJ	0.034 UJ	0.034 UJ	0.034 UJ
Benzo(b)Fluoranthene	1	1	0.034 U	0.036 U	0.034 U	0.034 U	0.034 U
Benzo(g,h,i)Perylene	100	100	0.34 U	0.36 U	0.34 U	0.34 U	0.34 U
Benzo(k)Fluoranthene	0.8	3.9	0.034 U	0.036 U	0.034 U	0.034 U	0.034 U
Chrysene	1	3.9	0.0058 J	0.36 U	0.34 U	0.34 U	0.34 U
Dibenz(a,h)Anthracene	0.33	0.33	0.034 UJ	0.036 UJ	0.034 UJ	0.034 UJ	0.034 UJ
Fluoranthene	100	100	0.34 U	0.36 U	0.34 U	0.34 U	0.34 U
Fluorene	30	100	0.34 U	0.36 U	0.34 U	0.34 U	0.34 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.034 U	0.036 U	0.034 U	0.034 U	0.034 U
Naphthalene	12	100	0.34 U	0.36 U	0.34 U	0.34 U	0.34 U
Phenanthrene	100	100	0.0083 J	0.36 U	0.34 U	0.34 U	0.34 U
Pyrene	100	100	0.0087 J	0.36 U	0.34 U	0.34 U	0.34 U

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-18_14_20211021	L1-EP-19_13_20211022	L1-EP-19X_13_20211022	L1-EP-20_13_20211022	L1-EP-21_13_20211022
		Laboratory Sample ID	460-245675-9	460-245759-1	460-245759-2	460-245759-3	460-245759-4
		Date Sampled	10/21/2021	10/22/2021	10/22/2021	10/22/2021	10/22/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.034 U	0.034 U	0.034 U	0.034 U	0.034 U
Acenaphthene	20	100	0.34 U	0.34 U	0.047 J	0.34 U	0.34 U
Acenaphthylene	100	100	0.34 U	0.34 UJ	0.0087 J	0.34 U	0.34 U
Anthracene	100	100	0.34 U	0.34 UJ	0.061 J	0.34 U	0.34 U
Benzo(a)Anthracene	1	1	0.034 U	0.034 UJ	0.039 J	0.015 J	0.034 U
Benzo(a)Pyrene	1	1	0.034 UJ	0.034 UJ	0.018 J	0.034 U	0.034 U
Benzo(b)Fluoranthene	1	1	0.034 U	0.034 UJ	0.023 J	0.012 J	0.034 U
Benzo(g,h,i)Perylene	100	100	0.34 U	0.34 UJ	0.34 UJ	0.34 U	0.34 U
Benzo(k)Fluoranthene	0.8	3.9	0.034 U	0.034 UJ	0.016 J	0.034 U	0.034 U
Chrysene	1	3.9	0.34 U	0.34 UJ	0.031 J	0.011 J	0.34 U
Dibenz(a,h)Anthracene	0.33	0.33	0.034 UJ	0.034 UJ	0.034 UJ	0.034 UJ	0.034 UJ
Fluoranthene	100	100	0.34 U	0.34 UJ	0.14 J	0.013 J	0.34 U
Fluorene	30	100	0.34 U	0.34 UJ	0.091 J	0.34 U	0.34 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.034 U	0.034 UJ	0.032 J	0.034 U	0.034 U
Naphthalene	12	100	0.34 U	0.34 UJ	0.15 J	0.34 U	0.34 U
Phenanthrene	100	100	0.34 U	0.34 UJ	0.31 J	0.0079 J	0.34 U
Pyrene	100	100	0.34 U	0.34 UJ	0.099 J	0.015 J	0.34 U

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-22_13_20211022	L1-EP-23_13_20211022	L1-EP-24_13_20211022	L1-EP-25_13_20211022	L1-EP-26_8_20211028
		Laboratory Sample ID	460-245759-5	460-245759-6	460-245759-7	460-245759-8	460-246139-1
		Date Sampled	10/22/2021	10/22/2021	10/22/2021	10/22/2021	10/28/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.034 U	0.034 U	0.034 U	0.034 U	0.036 U
Acenaphthene	20	100	0.34 U	0.34 U	0.34 U	0.34 U	0.36 U
Acenaphthylene	100	100	0.34 U	0.34 U	0.34 U	0.34 U	0.36 U
Anthracene	100	100	0.34 U	0.34 U	0.34 U	0.34 U	0.36 U
Benzo(a)Anthracene	1	1	0.034 U	0.034 U	0.034 U	0.034 U	0.015 J
Benzo(a)Pyrene	1	1	0.034 U	0.034 U	0.034 U	0.034 U	0.036 UJ
Benzo(b)Fluoranthene	1	1	0.034 U	0.034 U	0.034 U	0.034 U	0.015 J
Benzo(g,h,i)Perylene	100	100	0.34 U	0.34 U	0.34 U	0.34 U	0.36 U
Benzo(k)Fluoranthene	0.8	3.9	0.034 U	0.034 U	0.034 U	0.034 U	0.036 U
Chrysene	1	3.9	0.34 U	0.34 U	0.34 U	0.34 U	0.011 JL
Dibenz(a,h)Anthracene	0.33	0.33	0.034 UJ	0.034 UJ	0.034 UJ	0.034 UJ	0.036 UJ
Fluoranthene	100	100	0.34 U	0.34 U	0.34 U	0.34 U	0.014 J
Fluorene	30	100	0.34 U	0.34 U	0.34 U	0.34 U	0.36 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.034 U	0.034 U	0.034 U	0.034 U	0.036 U
Naphthalene	12	100	0.34 U	0.34 U	0.34 U	0.34 U	0.36 U
Phenanthrene	100	100	0.34 U	0.34 U	0.34 U	0.34 U	0.009 J
Pyrene	100	100	0.34 U	0.34 U	0.34 U	0.34 U	0.013 J

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-26X_8_20211028	L1-EP-27_8_20211028	L1-EP-28_8_20211028	L1-EP-29_9_20211028	L1-EP-30_8_20211028
		Laboratory Sample ID	460-246139-9	460-246139-2	460-246139-3	460-246139-4	460-246139-5
		Date Sampled	10/28/2021	10/28/2021	10/28/2021	10/28/2021	10/28/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.035 U	0.042 U	0.04 U	0.035 U	0.035 U
Acenaphthene	20	100	0.35 U	0.42 U	0.4 U	0.35 U	0.35 U
Acenaphthylene	100	100	0.35 U	0.42 U	0.4 U	0.35 U	0.35 U
Anthracene	100	100	0.35 U	0.033 J	0.4 U	0.35 U	0.015 J
Benzo(a)Anthracene	1	1	0.013 J	0.084	0.04 U	0.035 U	0.034 J
Benzo(a)Pyrene	1	1	0.035 UJ	0.058 J	0.04 UJ	0.035 UJ	0.018 J
Benzo(b)Fluoranthene	1	1	0.035 UJ	0.1 J	0.04 UJ	0.0099 J	0.033 J
Benzo(g,h,i)Perylene	100	100	0.35 U	0.047 J	0.4 U	0.35 U	0.014 J
Benzo(k)Fluoranthene	0.8	3.9	0.035 U	0.037 J	0.04 U	0.035 U	0.012 J
Chrysene	1	3.9	0.0079 JL	0.088 J	0.4 U	0.0081 J	0.032 J
Dibenz(a,h)Anthracene	0.33	0.33	0.035 UJ	0.042 UJ	0.04 UJ	0.035 UJ	0.035 UJ
Fluoranthene	100	100	0.35 U	0.19 J	0.4 U	0.013 J	0.039 J
Fluorene	30	100	0.35 U	0.014 J	0.4 U	0.35 U	0.35 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.035 U	0.082	0.04 U	0.035 U	0.039
Naphthalene	12	100	0.35 U	0.0091 J	0.4 U	0.35 U	0.35 U
Phenanthrene	100	100	0.0081 J	0.13 J	0.0081 J	0.012 J	0.027 J
Pyrene	100	100	0.011 J	0.15 J	0.4 U	0.012 J	0.037 J

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-31_8_20211028	L1-EP-32_17_20211213	L1-EP-33_17_20211213	L1-EP-34_14_20211213	L1-EP-35_9_20211213
		Laboratory Sample ID	460-246139-6	460-249032-5	460-249032-4	460-249032-2	460-249032-3
		Date Sampled	10/28/2021	12/13/2021	12/13/2021	12/13/2021	12/13/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.035 U	0.035 U	0.034 U	0.034 U	0.035 U
Acenaphthene	20	100	0.35 U	0.35 U	0.34 U	0.34 U	0.35 U
Acenaphthylene	100	100	0.35 U	0.35 U	0.34 U	0.34 U	0.35 U
Anthracene	100	100	0.35 U	0.35 U	0.34 U	0.34 U	0.35 U
Benzo(a)Anthracene	1	1	0.035 U	0.035 U	0.015 J	0.034 U	0.027 J
Benzo(a)Pyrene	1	1	0.035 UJ	0.035 U	0.034 U	0.034 U	0.017 J
Benzo(b)Fluoranthene	1	1	0.01 J	0.035 U	0.013 J	0.034 U	0.029 J
Benzo(g,h,i)Perylene	100	100	0.35 U	0.35 U	0.34 U	0.34 U	0.014 J
Benzo(k)Fluoranthene	0.8	3.9	0.035 U	0.035 U	0.034 U	0.034 U	0.0084 J
Chrysene	1	3.9	0.0094 J	0.35 U	0.0097 J	0.34 U	0.024 J
Dibenz(a,h)Anthracene	0.33	0.33	0.035 UJ	0.035 U	0.034 U	0.034 U	0.035 U
Fluoranthene	100	100	0.013 J	0.35 U	0.017 J	0.34 U	0.034 J
Fluorene	30	100	0.35 U	0.35 U	0.34 U	0.34 U	0.35 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.035 U	0.035 U	0.034 U	0.034 U	0.015 J
Naphthalene	12	100	0.35 U	0.35 U	0.34 U	0.34 U	0.35 U
Phenanthrene	100	100	0.35 U	0.35 U	0.015 J	0.0062 J	0.026 J
Pyrene	100	100	0.013 J	0.35 U	0.017 J	0.34 U	0.039 J

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-36_9_20211213	L1-EP-37_9_20211213	L1-EP-37X_9_20211213	L1-EP-38_6_20211213	L1-EP-39_6_20211213
		Laboratory Sample ID	460-249032-1	460-249032-7	460-249032-6	460-249032-8	460-249032-9
		Date Sampled	12/13/2021	12/13/2021	12/13/2021	12/13/2021	12/13/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.036 U	0.034 U	0.04 U	0.034 U	0.035 U
Acenaphthene	20	100	0.36 U	0.34 U	0.4 U	0.34 U	0.35 U
Acenaphthylene	100	100	0.36 U	0.34 U	0.4 U	0.34 U	0.35 U
Anthracene	100	100	0.36 U	0.34 U	0.4 U	0.34 U	0.35 U
Benzo(a)Anthracene	1	1	0.036	0.034 U	0.04 U	0.023 J	0.035 U
Benzo(a)Pyrene	1	1	0.03 J	0.034 U	0.04 U	0.015 J	0.035 U
Benzo(b)Fluoranthene	1	1	0.05	0.01 J	0.04 U	0.026 J	0.035 U
Benzo(g,h,i)Perylene	100	100	0.024 J	0.34 U	0.4 U	0.013 J	0.35 U
Benzo(k)Fluoranthene	0.8	3.9	0.015 J	0.034 U	0.04 U	0.0095 J	0.035 U
Chrysene	1	3.9	0.048 J	0.0076 J	0.0073 J	0.021 J	0.35 U
Dibenz(a,h)Anthracene	0.33	0.33	0.036 U	0.034 U	0.04 U	0.034 U	0.035 U
Fluoranthene	100	100	0.065 J	0.34 U	0.4 U	0.03 J	0.35 U
Fluorene	30	100	0.36 U	0.34 U	0.4 U	0.34 U	0.35 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.026 J	0.034 U	0.04 U	0.014 J	0.035 U
Naphthalene	12	100	0.36 U	0.34 U	0.4 U	0.34 U	0.35 U
Phenanthrene	100	100	0.052 J	0.0096 J	0.01 J	0.016 J	0.35 U
Pyrene	100	100	0.067 J	0.012 J	0.011 J	0.03 J	0.35 U

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-40_9_20211228	L1-EP-40X_9_20211228	L1-EP-41_8_20211228	L1-EP-42_9_20211228	L1-EP-43_8_20211228
		Laboratory Sample ID	460-249912-1	460-249912-2	460-249912-3	460-249912-4	460-249912-5
		Date Sampled	12/28/2021	12/28/2021	12/28/2021	12/28/2021	12/28/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.035 U	0.035 U	0.034 U	0.035 U	0.035 U
Acenaphthene	20	100	0.35 U	0.35 U	0.34 U	0.35 U	0.35 U
Acenaphthylene	100	100	0.35 U	0.35 U	0.34 U	0.35 U	0.35 U
Anthracene	100	100	0.35 U	0.35 U	0.34 U	0.35 U	0.35 U
Benzo(a)Anthracene	1	1	0.035 U	0.019 J	0.034 U	0.028 J	0.035 U
Benzo(a)Pyrene	1	1	0.035 U	0.035 U	0.034 U	0.015 J	0.035 U
Benzo(b)Fluoranthene	1	1	0.035 U	0.015 J	0.034 U	0.023 J	0.035 U
Benzo(g,h,i)Perylene	100	100	0.35 U	0.35 U	0.34 U	0.012 J	0.35 U
Benzo(k)Fluoranthene	0.8	3.9	0.035 U	0.035 U	0.034 U	0.01 J	0.035 U
Chrysene	1	3.9	0.35 U	0.015 J	0.34 U	0.022 J	0.35 U
Dibenz(a,h)Anthracene	0.33	0.33	0.035 U	0.035 U	0.034 U	0.035 U	0.035 U
Fluoranthene	100	100	0.35 U	0.037 J	0.34 U	0.047 J	0.35 U
Fluorene	30	100	0.35 U	0.35 U	0.34 U	0.35 U	0.35 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.035 U	0.035 U	0.034 U	0.035 U	0.035 U
Naphthalene	12	100	0.35 U	0.35 U	0.34 U	0.35 U	0.35 U
Phenanthrene	100	100	0.35 U	0.037 J	0.34 U	0.038 J	0.35 U
Pyrene	100	100	0.35 U	0.033 J	0.34 U	0.038 J	0.35 U

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-44_9_20211228	L1-EP-45_8_20211228	L1-EP-46_9_20211229	L1-EP-46X_9_20211229	L1-EP-47_9_20220104
		Laboratory Sample ID	460-249912-6	460-249912-7	460-249994-1	460-249994-2	460-250100-1
		Date Sampled	12/28/2021	12/28/2021	12/29/2021	12/29/2021	1/04/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.035 U	0.034 U	0.035 UJ	0.035 UJ	0.035 U
Acenaphthene	20	100	0.35 U	0.34 U	0.35 UJ	0.019 J	0.35 U
Acenaphthylene	100	100	0.35 U	0.34 U	0.35 UJ	0.0039 J	0.35 U
Anthracene	100	100	0.35 U	0.34 U	0.35 U	0.045 J	0.35 U
Benzo(a)Anthracene	1	1	0.035 U	0.034 U	0.032 J	0.15 J	0.021 JK
Benzo(a)Pyrene	1	1	0.035 U	0.034 U	0.022 JL	0.11 JL	0.013 J
Benzo(b)Fluoranthene	1	1	0.035 U	0.034 U	0.037 J	0.14 J	0.017 JK
Benzo(g,h,i)Perylene	100	100	0.35 U	0.34 U	0.017 J	0.06 J	0.35 U
Benzo(k)Fluoranthene	0.8	3.9	0.035 U	0.034 U	0.014 J	0.048 J	0.0069 JK
Chrysene	1	3.9	0.35 U	0.34 U	0.028 JL	0.16 JL	0.012 J
Dibenz(a,h)Anthracene	0.33	0.33	0.035 U	0.034 U	0.035 U	0.02 J	0.035 U
Fluoranthene	100	100	0.35 U	0.34 U	0.052 J	0.31 J	0.024 JK
Fluorene	30	100	0.35 U	0.34 U	0.006 JL	0.016 JL	0.35 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.035 U	0.034 U	0.019 J	0.067 J	0.035 U
Naphthalene	12	100	0.35 U	0.34 U	0.35 UJ	0.35 UJ	0.35 U
Phenanthrene	100	100	0.35 U	0.34 U	0.041 J	0.31 J	0.016 J
Pyrene	100	100	0.35 U	0.34 U	0.05 J	0.35	0.025 JK

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-47X_9_20220104	L1-EP-48_8_20220106	L1-EP-49_9_20220106	L1-EP-49X_9_20220106	L1-EP-50_15_20220110
		Laboratory Sample ID	460-250100-2	460-250264-1	460-250264-2	460-250264-3	460-250415-1
		Date Sampled	1/04/2022	1/06/2022	1/06/2022	1/06/2022	1/10/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.035 U	0.041 U	0.035 U	0.041 U	0.036 U
Acenaphthene	20	100	0.35 U	0.41 U	0.35 U	0.41 U	0.36 U
Acenaphthylene	100	100	0.35 U	0.41 U	0.35 U	0.41 U	0.36 U
Anthracene	100	100	0.35 U	0.41 U	0.35 U	0.41 U	0.36 U
Benzo(a)Anthracene	1	1	0.017 JK	0.02 J	0.035 U	0.02 J	0.036 U
Benzo(a)Pyrene	1	1	0.01 J	0.041 U	0.035 U	0.011 J	0.036 U
Benzo(b)Fluoranthene	1	1	0.016 JK	0.014 J	0.0099 J	0.015 J	0.036 U
Benzo(g,h,i)Perylene	100	100	0.35 U	0.41 U	0.35 U	0.41 U	0.36 U
Benzo(k)Fluoranthene	0.8	3.9	0.0072 JK	0.041 U	0.035 U	0.041 U	0.036 U
Chrysene	1	3.9	0.0098 J	0.011 J	0.35 U	0.012 J	0.36 U
Dibenz(a,h)Anthracene	0.33	0.33	0.035 U	0.041 U	0.035 U	0.041 U	0.036 U
Fluoranthene	100	100	0.019 JK	0.019 J	0.35 U	0.022 J	0.36 U
Fluorene	30	100	0.35 U	0.41 U	0.35 U	0.41 U	0.36 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.035 U	0.041 U	0.035 U	0.041 U	0.036 U
Naphthalene	12	100	0.35 U	0.41 U	0.35 U	0.41 U	0.36 U
Phenanthrene	100	100	0.35 U	0.018 J	0.35 U	0.41 U	0.36 U
Pyrene	100	100	0.022 JK	0.021 J	0.013 J	0.022 J	0.36 U

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-51_15_20220110	L1-EP-51X_15_20220110	L1-EP-52_8_20220113	L1-EP-52X_8_20220113	L1-EP-53_8_20220118
		Laboratory Sample ID	460-250415-2	460-250415-3	460-250678-1	460-250678-2	460-250867-1
		Date Sampled	1/10/2022	1/10/2022	1/13/2022	1/13/2022	1/18/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.034 U	0.035 U	0.041 U	0.041 U	0.035 U
Acenaphthene	20	100	0.34 U	0.35 U	0.41 U	0.41 U	0.35 U
Acenaphthylene	100	100	0.34 U	0.35 U	0.41 U	0.41 U	0.0049 J
Anthracene	100	100	0.34 U	0.35 U	0.41 U	0.41 U	0.012 J
Benzo(a)Anthracene	1	1	0.034 U	0.035 U	0.024 JL	0.028 JL	0.054
Benzo(a)Pyrene	1	1	0.034 U	0.035 U	0.041 UJ	0.013 JL	0.037
Benzo(b)Fluoranthene	1	1	0.034 U	0.035 U	0.016 J	0.025 J	0.056
Benzo(g,h,i)Perylene	100	100	0.34 U	0.35 U	0.41 U	0.41 U	0.03 J
Benzo(k)Fluoranthene	0.8	3.9	0.034 U	0.035 U	0.011 J	0.041 U	0.023 J
Chrysene	1	3.9	0.34 U	0.35 U	0.017 JL	0.024 JL	0.048 J
Dibenz(a,h)Anthracene	0.33	0.33	0.034 U	0.035 U	0.041 U	0.041 U	0.035 U
Fluoranthene	100	100	0.34 U	0.35 U	0.029 J	0.04 J	0.12 J
Fluorene	30	100	0.34 U	0.35 U	0.41 U	0.41 U	0.35 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.034 U	0.035 U	0.041 U	0.034 J	0.034 J
Naphthalene	12	100	0.34 U	0.35 U	0.41 UJ	0.41 UJ	0.35 U
Phenanthrene	100	100	0.34 U	0.35 U	0.02 J	0.024 J	0.11 J
Pyrene	100	100	0.0099 JK	0.35 U	0.028 J	0.033 J	0.093 J

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-54_8_20220118	L1-EP-55_3_20220118	L1-EP-56_3_20220118	L1-EP-56X_3_20220118	L1-EP-57_3_20220118
		Laboratory Sample ID	460-250867-2	460-250867-3	460-250867-4	460-250867-6	460-250867-5
		Date Sampled	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.036 U	0.039 U	0.037 U	0.036 U	0.036 U
Acenaphthene	20	100	0.36 U	0.013 J	0.048 J	0.062 J	0.046 J
Acenaphthylene	100	100	0.36 U	0.0062 J	0.019 J	0.016 J	0.03 J
Anthracene	100	100	0.36 U	0.039 J	0.13 J	0.19 J	0.15 J
Benzo(a)Anthracene	1	1	0.033 J	0.14	0.41	0.5	0.67
Benzo(a)Pyrene	1	1	0.024 J	0.12	0.38	0.42	0.62
Benzo(b)Fluoranthene	1	1	0.038	0.19	0.58	0.62	0.98
Benzo(g,h,i)Perylene	100	100	0.019 J	0.098 J	0.25 J	0.27 J	0.43
Benzo(k)Fluoranthene	0.8	3.9	0.013 J	0.061	0.17	0.24	0.3
Chrysene	1	3.9	0.031 J	0.15 J	0.46	0.54	0.73
Dibenz(a,h)Anthracene	0.33	0.33	0.036 U	0.032 J	0.088	0.097	0.15
Fluoranthene	100	100	0.055 J	0.31 J	0.85	1.1	1.3
Fluorene	30	100	0.36 U	0.018 J	0.057 J	0.078 J	0.05 J
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.022 J	0.11	0.32	0.34	**0.53**
Naphthalene	12	100	0.36 U	0.019 J	0.059 J	0.054 J	0.052 J
Phenanthrene	100	100	0.03 J	0.2 J	0.61	0.87	0.76
Pyrene	100	100	0.049 J	0.28 J	0.73	0.97	1.1

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-58_4_20220118	L1-EP-59_4_20220118	L1-EP-60_6_20220125	L1-EP-61_15_20220125	L1-EP-61X_15_20220125
		Laboratory Sample ID	460-250867-9	460-250867-10	460-251253-1	460-251253-2	460-251253-8
		Date Sampled	1/18/2022	1/18/2022	1/25/2022	1/25/2022	1/25/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.036 U	0.037 U	0.036 U	0.034 U	0.034 U
Acenaphthene	20	100	0.013 J	0.11 J	0.016 J	0.34 U	0.34 U
Acenaphthylene	100	100	0.004 J	0.02 J	0.36 U	0.34 UJ	0.34 UJ
Anthracene	100	100	0.034 J	0.21 J	0.056 J	0.34 U	0.34 U
Benzo(a)Anthracene	1	1	0.089	0.73	0.15	0.034 UJ	0.034 UJ
Benzo(a)Pyrene	1	1	0.074	0.65	0.12	0.034 UJ	0.034 UJ
Benzo(b)Fluoranthene	1	1	0.1	0.96	0.16	0.034 U	0.034 U
Benzo(g,h,i)Perylene	100	100	0.055 J	0.51	0.083 J	0.34 U	0.34 U
Benzo(k)Fluoranthene	0.8	3.9	0.044	0.38	0.072	0.034 U	0.034 U
Chrysene	1	3.9	0.093 J	0.83	0.14 J	0.34 UJ	0.34 UJ
Dibenz(a,h)Anthracene	0.33	0.33	0.017 J	0.15	0.02 J	0.034 U	0.034 U
Fluoranthene	100	100	0.2 J	1.6	0.36	0.34 U	0.34 U
Fluorene	30	100	0.016 J	0.12 J	0.018 J	0.34 U	0.34 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.059	**0.57**	0.089	0.034 U	0.034 U
Naphthalene	12	100	0.011 J	0.25 J	0.018 J	0.34 UJ	0.34 UJ
Phenanthrene	100	100	0.14 J	1.4	0.28 J	0.34 U	0.34 U
Pyrene	100	100	0.17 J	1.4	0.31 J	0.34 U	0.34 U

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-62_8_20220125	L1-EP-63_8_20220125	L1-EP-64_15_20220125	L1-EP-65_5_20220223	L1-EP-65X_5_20220223
		Laboratory Sample ID	460-251253-3	460-251253-4	460-251253-5	460-253101-1	460-253101-2
		Date Sampled	1/25/2022	1/25/2022	1/25/2022	2/23/2022	2/23/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.035 U	0.035 U	0.035 U	0.034 U	0.035 U
Acenaphthene	20	100	0.35 U	0.35 U	0.35 U	0.34 U	0.01 J
Acenaphthylene	100	100	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U
Anthracene	100	100	0.35 U	0.35 U	0.35 U	0.34 U	0.024 J
Benzo(a)Anthracene	1	1	0.018 J	0.024 J	0.035 U	0.018 J	0.053 J
Benzo(a)Pyrene	1	1	0.012 J	0.018 J	0.035 U	0.011 J	0.044 J
Benzo(b)Fluoranthene	1	1	0.017 J	0.028 J	0.035 U	0.014 J	0.061 J
Benzo(g,h,i)Perylene	100	100	0.35 U	0.013 J	0.35 U	0.34 U	0.028 J
Benzo(k)Fluoranthene	0.8	3.9	0.035 U	0.011 J	0.035 U	0.0071 J	0.023 J
Chrysene	1	3.9	0.016 J	0.026 J	0.35 U	0.013 J	0.054 J
Dibenz(a,h)Anthracene	0.33	0.33	0.035 U	0.035 U	0.035 U	0.034 U	0.035 U
Fluoranthene	100	100	0.029 J	0.04 J	0.35 U	0.023 J	0.14 J
Fluorene	30	100	0.35 U	0.35 U	0.35 U	0.34 U	0.017 J
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.035 U	0.016 J	0.035 U	0.034 U	0.033 J
Naphthalene	12	100	0.35 U	0.029 J	0.35 U	0.34 U	0.35 U
Phenanthrene	100	100	0.022 J	0.029 J	0.35 U	0.021 J	0.11 J
Pyrene	100	100	0.029 J	0.044 J	0.016 J	0.023 J	0.14 J

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-66_5_20220223	L1-EP-67_4.5_20220223	L1-EP-68_4.5_20220223	L1-EP-69_4_20220301	L1-EP-69X_4_20220301
		Laboratory Sample ID	460-253101-3	460-253101-4	460-253101-5	460-253438-1	460-253438-2
		Date Sampled	2/23/2022	2/23/2022	2/23/2022	3/01/2022	3/01/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.034 U	0.035 U	0.035 U	0.035 U	0.035 U
Acenaphthene	20	100	0.34 U	0.02 J	0.35 U	0.35 U	0.35 U
Acenaphthylene	100	100	0.34 U	0.35 U	0.35 U	0.35 U	0.013 J
Anthracene	100	100	0.34 U	0.026 J	0.35 U	0.35 U	0.02 J
Benzo(a)Anthracene	1	1	0.039	0.058	0.021 J	0.035 U	0.036 J
Benzo(a)Pyrene	1	1	0.032 J	0.042	0.015 J	0.035 U	0.28 J
Benzo(b)Fluoranthene	1	1	0.041	0.054	0.017 J	0.035 U	0.26 J
Benzo(g,h,i)Perylene	100	100	0.025 J	0.031 J	0.012 J	0.35 U	0.31 J
Benzo(k)Fluoranthene	0.8	3.9	0.017 J	0.019 J	0.0096 J	0.035 U	0.1 J
Chrysene	1	3.9	0.031 J	0.052 J	0.017 J	0.35 U	0.024 J
Dibenz(a,h)Anthracene	0.33	0.33	0.034 U	0.035 U	0.035 U	0.035 U	0.069 J
Fluoranthene	100	100	0.066 J	0.13 J	0.033 J	0.012 J	0.041 J
Fluorene	30	100	0.0084 J	0.025 J	0.35 U	0.35 U	0.35 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.031 J	0.035	0.014 J	0.035 U	0.47 J
Naphthalene	12	100	0.34 U	0.021 J	0.35 U	0.35 U	0.35 U
Phenanthrene	100	100	0.063 J	0.13 J	0.022 J	0.011 J	0.025 J
Pyrene	100	100	0.063 J	0.12 J	0.03 J	0.013 J	0.037 J

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-70_4_20220301	L1-EP-71_4_20220301	L1-EP-72_8_20220309	L1-EP-72X_8_20220309	L1-EP-FB-01_20211006
		Laboratory Sample ID	460-253438-3	460-253438-4	460-253966-1	460-253966-2	460-244461-8
		Date Sampled	3/01/2022	3/01/2022	3/09/2022	3/09/2022	10/06/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	µg/L
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.035 U	0.035 U	0.037 U	0.036 U	10 U
Acenaphthene	20	100	0.011 J	0.012 J	0.37 U	0.36 U	10 U
Acenaphthylene	100	100	0.35 U	0.35 U	0.37 U	0.36 U	10 U
Anthracene	100	100	0.036 J	0.032 J	0.37 U	0.36 U	10 U
Benzo(a)Anthracene	1	1	0.13	0.09	0.037 U	0.036 U	1 U
Benzo(a)Pyrene	1	1	0.098	0.088	0.037 U	0.036 U	1 U
Benzo(b)Fluoranthene	1	1	0.15	0.1	0.037 U	0.036 U	2 U
Benzo(g,h,i)Perylene	100	100	0.07 J	0.2 J	0.37 U	0.36 U	10 U
Benzo(k)Fluoranthene	0.8	3.9	0.067	0.042	0.037 U	0.036 U	1 U
Chrysene	1	3.9	0.13 J	0.096 J	0.37 U	0.36 U	2 U
Dibenz(a,h)Anthracene	0.33	0.33	0.035 U	0.035 U	0.037 U	0.036 U	1 U
Fluoranthene	100	100	0.28 J	0.2 J	0.37 U	0.36 U	10 U
Fluorene	30	100	0.35 U	0.015 J	0.37 U	0.36 U	10 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.11	0.3	0.037 U	0.036 U	2 U
Naphthalene	12	100	0.35 U	0.015 J	0.37 U	0.36 U	2 U
Phenanthrene	100	100	0.19 J	0.16 J	0.37 U	0.36 U	10 U
Pyrene	100	100	0.24 J	0.18 J	0.37 U	0.36 U	10 U

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-FB-02_20211014	L1-EP-FB-03_20211021	L1-EP-FB-04_20211022	L1-EP-FB-05_20211028	L1-EP-FB-06_20211213
		Laboratory Sample ID	460-245127-6	460-245675-11	460-245759-17	460-246139-7	460-249032-10
		Date Sampled	10/14/2021	10/21/2021	10/22/2021	10/28/2021	12/13/2021
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	100	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	100	100	10 U	10 U	10 U	10 U	10 U
Anthracene	100	100	10 U	10 U	10 U	10 U	10 U
Benzo(a)Anthracene	1	1	1 U	1 U	1 U	1 U	1 U
Benzo(a)Pyrene	1	1	1 U	1 U	1 U	1 U	1 U
Benzo(b)Fluoranthene	1	1	2 U	2 U	2 U	2 U	2 U
Benzo(g,h,i)Perylene	100	100	10 U	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	0.8	3.9	1 U	1 U	1 U	1 U	1 U
Chrysene	1	3.9	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)Anthracene	0.33	0.33	1 U	1 U	1 U	1 U	1 U
Fluoranthene	100	100	10 U	10 U	10 U	10 U	10 U
Fluorene	30	100	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	2 U	2 U	2 U	2 U	2 U
Naphthalene	12	100	2 U	2 U	2 U	2 U	2 U
Phenanthrene	100	100	10 U	10 U	10 U	10 U	10 U
Pyrene	100	100	10 U	10 U	10 U	10 U	10 U

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-FB-07_20211228	L1-EP-FB-08_20211229	L1-EP-FB-09_20220104	L1-EP-FB-10_20220106	L1-EP-FB-11_20220110
		Laboratory Sample ID	460-249912-8	460-249994-3	460-250100-3	460-250264-4	460-250415-4
		Date Sampled	12/28/2021	12/29/2021	1/04/2022	1/06/2022	1/10/2022
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	100	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	100	100	10 U	10 U	10 U	10 U	10 U
Anthracene	100	100	10 U	10 U	10 U	10 U	10 U
Benzo(a)Anthracene	1	1	1 U	1 U	1 U	1 U	1 U
Benzo(a)Pyrene	1	1	1 U	1 U	1 U	1 U	1 U
Benzo(b)Fluoranthene	1	1	2 U	2 U	2 U	2 U	2 U
Benzo(g,h,i)Perylene	100	100	10 U	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	0.8	3.9	1 U	1 U	1 U	1 U	1 U
Chrysene	1	3.9	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)Anthracene	0.33	0.33	1 U	1 U	1 U	1 U	1 U
Fluoranthene	100	100	10 U	10 U	10 U	10 U	10 U
Fluorene	30	100	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	2 U	2 U	2 U	2 U	2 UJ
Naphthalene	12	100	2 U	2 U	2 U	2 U	2 U
Phenanthrene	100	100	10 U	10 U	10 U	10 U	10 U
Pyrene	100	100	10 U	10 U	10 U	10 U	10 U

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

			AKRF Sample ID	L1-EP-FB-12_20220113	L1-EP-FB-14_20220125	L1-EP-FB-15_20220223	L1-EP-FB-16_20220301
			Laboratory Sample ID	460-250678-3	460-251253-6	460-253101-6	460-253438-5
			Date Sampled	1/13/2022	1/25/2022	2/23/2022	3/01/2022
			Unit	µg/L	µg/L	µg/L	µg/L
			Dilution Factor	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13		10 U	10 U	10 U	10 U
Acenaphthene	20	100		10 U	10 U	10 U	10 U
Acenaphthylene	100	100		10 U	10 U	10 U	10 U
Anthracene	100	100		10 U	10 U	10 U	10 U
Benzo(a)Anthracene	1	1		1 U	1 U	1 U	1 U
Benzo(a)Pyrene	1	1		1 U	1 U	1 U	1 U
Benzo(b)Fluoranthene	1	1		2 U	2 U	2 U	2 U
Benzo(g,h,i)Perylene	100	100		10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	0.8	3.9		1 U	1 U	1 U	1 U
Chrysene	1	3.9		2 U	2 U	2 U	2 U
Dibenz(a,h)Anthracene	0.33	0.33		1 U	1 U	1 U	1 U
Fluoranthene	100	100		10 U	10 U	10 U	10 U
Fluorene	30	100		10 U	10 U	10 U	10 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5		2 U	2 UJ	2 U	2 U
Naphthalene	12	100		2 U	2 U	2 U	2 U
Phenanthrene	100	100		10 U	10 U	10 U	10 U
Pyrene	100	100		10 U	10 U	10 U	10 U

Table 5
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-EP-FB-17_20220309	L1-EP-FB-13_20220118
		Laboratory Sample ID	460-253966-3	460-250867-7
		Date Sampled	3/09/2022	1/18/2022
		Unit	µg/L	µg/L
		Dilution Factor	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.2 U	10 U
Acenaphthene	20	100	10 U	10 U
Acenaphthylene	100	100	10 U	10 U
Anthracene	100	100	10 U	10 U
Benzo(a)Anthracene	1	1	1 U	1 U
Benzo(a)Pyrene	1	1	1 U	1 U
Benzo(b)Fluoranthene	1	1	2 U	2 U
Benzo(g,h,i)Perylene	100	100	10 U	10 U
Benzo(k)Fluoranthene	0.8	3.9	1 U	1 U
Chrysene	1	3.9	2 U	2 U
Dibenz(a,h)Anthracene	0.33	0.33	1 U	1 U
Fluoranthene	100	100	10 U	10 U
Fluorene	30	100	10 U	10 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	2 U	2 U
Naphthalene	12	100	2 U	2 U
Phenanthrene	100	100	10 U	10 U
Pyrene	100	100	10 U	10 U

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-01_19_20211006	L1-EP-02_19_20211006	L1-EP-03_19_20211006	L1-EP-04_19_20211006	L1-EP-05_19_20211006
		Laboratory Sample ID	460-244461-1	460-244461-2	460-244461-3	460-244461-4	460-244461-5
		Date Sampled	10/06/2021	10/06/2021	10/06/2021	10/06/2021	10/06/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	2,790	2,420	2,860	2,750	2,760
Antimony	NS	NS	0.78 U	0.81 U	0.75 U	0.81 U	0.79 UJ
Arsenic	13	16	1	0.97	1.1	1.9	0.83
Barium	350	400	17.9	18.4	23.7	18	9.7
Beryllium	7.2	72	0.16 J	0.18 J	0.17 J	0.15 J	0.2 J
Cadmium	2.5	4.3	0.78 U	0.81 U	0.75 U	0.81 U	0.12 J
Calcium	NS	NS	641	472	632	309	247 J
Chromium, Total	NS	NS	8.1	10	8.5	8.8	5.8
Cobalt	NS	NS	3	2.8	3.5	3.9	2.2
Copper	**50**	270	18.6	8	19	34.8	6.9
Iron	NS	NS	8,740	14,800	10,100	10,900	9,100
Lead	**63**	400	7.3	2.2	5.9	2	1.6 J
Magnesium	NS	NS	928	932	964	810	1,030
Manganese	**1,600**	2,000	222	248	279	396	200
Mercury	0.18	0.81	0.016 U	0.017 U	0.015 U	0.018 U	0.016 U
Nickel	30	310	6.3	6.3	7	6.5	7.4
Potassium	NS	NS	368	392	387	271	417 JL
Selenium	3.9	180	0.98 U	1 U	0.93 U	1 U	0.99 U
Silver	2	180	0.78 U	0.81 U	0.75 U	0.81 U	0.79 U
Sodium	NS	NS	78.1 U	46.6 J	38.6 J	81.1 U	78.8 U
Thallium	NS	NS	0.033 J	0.32 U	0.3 U	0.32 U	0.32 U
Vanadium	NS	NS	10.6	12.3	11.4	10.4	9.2
Zinc	**109**	10,000	28.7	12.6	28.6	16.7	46.5

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-05X_19_20211006	L1-EP-06_19_20211006	L1-EP-07_19_20211014	L1-EP-08_19_20211014	L1-EP-08X_19_20211014
		Laboratory Sample ID	460-244461-6	460-244461-7	460-245127-1	460-245127-2	460-245127-3
		Date Sampled	10/06/2021	10/06/2021	10/14/2021	10/14/2021	10/14/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	3,400	2,150	2,580	2,680	2,740
Antimony	NS	NS	0.79 UJ	0.77 U	0.97 U	1 UJ	0.14 J
Arsenic	13	16	1.5	0.81	1.2	1.4	1.3
Barium	350	400	12.9	16.1	19	20.8 J	19.8 J
Beryllium	7.2	72	0.27 J	0.13 J	0.27 J	0.2 J	0.19 J
Cadmium	2.5	4.3	0.17 J	0.77 U	0.97 U	1 U	0.95 U
Calcium	NS	NS	387 J	336	3,990	2,840	2,100
Chromium, Total	NS	NS	8.9	7.2	8.5	8.1	9.5
Cobalt	NS	NS	3.5	2.6	3.5	2.7	3.1
Copper	**50**	270	8.2	6.3	15.2	17.5	24
Iron	NS	NS	12,300	10,600	13,700	10,800	11,900
Lead	**63**	400	2 J	1.7	5.9	10.3	12
Magnesium	NS	NS	1,470	748	1,360	940 JK	1,180 JK
Manganese	**1,600**	2,000	221	210	281	208	213
Mercury	0.18	0.81	0.016 U	0.017 U	0.016 U	0.017 U	0.017 U
Nickel	30	310	8.2	5.8	11.4	5.9	7.2
Potassium	NS	NS	752 JL	397	377	342	329
Selenium	3.9	180	0.98 U	0.97 U	1.2 U	1.3 U	1.2 U
Silver	2	180	0.79 U	0.77 U	0.97 U	1 U	0.95 U
Sodium	NS	NS	38.8 JK	77.2 U	62.9 J	112	63.1 J
Thallium	NS	NS	0.31 U	0.31 U	0.39 U	0.41 U	0.38 U
Vanadium	NS	NS	16.1	10.6	12	11.6	12.7
Zinc	**109**	10,000	53.8	10	29	35.4	39.6

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-09_19_20211014	L1-EP-10_19_20211014	L1-EP-11_19_20211021	L1-EP-12_19_20211021	L1-EP-12X_19_20211021
		Laboratory Sample ID	460-245127-4	460-245127-5	460-245675-1	460-245675-2	460-245675-3
		Date Sampled	10/14/2021	10/14/2021	10/21/2021	10/21/2021	10/21/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	2,910	2,910	2,790	2,260 JK	2,160 JK
Antimony	NS	NS	0.96 U	0.97 U	0.96 U	1.3 U	0.97 U
Arsenic	13	16	0.88 J	0.97	0.99	0.73 J	0.79 J
Barium	350	400	17.5	23	18	16.1 JK	15.2 JK
Beryllium	7.2	72	0.2 J	0.2 J	0.16 J	0.11 J	0.22 J
Cadmium	2.5	4.3	0.96 U	0.97 U	0.96 U	1.3 U	0.97 U
Calcium	NS	NS	1,680	714	1,290	425 JK	414 JK
Chromium, Total	NS	NS	7.9	8.1	7.5	7.6	6.7
Cobalt	NS	NS	3.2	2.9	3.1	2.5 J	2.6
Copper	**50**	270	15.6	10.1	10.8	7.4	7.6
Iron	NS	NS	11,200	10,500	10,900	8,520	11,400
Lead	**63**	400	5.6	4.4	4.7	2.9	4.2
Magnesium	NS	NS	973	899	952	795 JK	675 JK
Manganese	**1,600**	2,000	214	234	241	173 JK	209 JK
Mercury	0.18	0.81	0.016 U	0.017 U	0.016 U	0.022 U	0.017 U
Nickel	30	310	6.7	6.4	5.9	5	5
Potassium	NS	NS	453	303	399	384	332
Selenium	3.9	180	1.2 U	1.2 U	1.2 U	1.6 U	1.2 U
Silver	2	180	0.96 U	0.97 U	0.96 U	1.3 U	0.97 U
Sodium	NS	NS	76.7 J	97.5 U	84 J	130 U	55.9 JK
Thallium	NS	NS	0.38 U	0.39 U	0.38 U	0.52 U	0.39 U
Vanadium	NS	NS	11.5	11.5	11.8	7.5 JK	8.6 JK
Zinc	**109**	10,000	22	14.6	15.6	11	12.8

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-13_19_20211021	L1-EP-14_19_20211021	L1-EP-15_19_20211021	L1-EP-16_19_20211021	L1-EP-17_14_20211021
		Laboratory Sample ID	460-245675-4	460-245675-5	460-245675-6	460-245675-7	460-245675-8
		Date Sampled	10/21/2021	10/21/2021	10/21/2021	10/21/2021	10/21/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	3,510	2,090	3,210	2,140 J	3,280
Antimony	NS	NS	1 U	1 U	0.97 U	1 UJ	0.99 U
Arsenic	13	16	1.4	0.72 J	0.9 J	0.44 J	0.97 J
Barium	350	400	26.6	21.6	22.6	14	21.1
Beryllium	7.2	72	0.16 J	0.14 J	0.18 J	0.1 J	0.21 J
Cadmium	2.5	4.3	1 U	1 U	0.97 U	1 U	0.99 U
Calcium	NS	NS	899	529	1,400	341	508
Chromium, Total	NS	NS	8.7	5.6	7.3	5.7 J	9.5
Cobalt	NS	NS	4.1	2.3	2.8	2 J	3
Copper	**50**	270	11.3	5.9	11.2	4.3	7.1
Iron	NS	NS	8,880	7,630	8,000	5,710	8,810
Lead	**63**	400	4.4	2.5	5.2	1.7	1.9
Magnesium	NS	NS	1,290	775	1,070	746	1,080
Manganese	**1,600**	2,000	239	324	217	132 J	245
Mercury	0.18	0.81	0.017 U	0.018 U	0.017 U	0.017 U	0.017 U
Nickel	30	310	6.4	5.4	6.9	4.2	7.1
Potassium	NS	NS	331	369	370	377	450
Selenium	3.9	180	1.3 U	1.3 U	1.2 U	1.3 U	1.2 U
Silver	2	180	1 U	1 U	0.97 U	1 U	0.99 U
Sodium	NS	NS	78.7 J	50.7 J	85.7 J	104 U	63.8 J
Thallium	NS	NS	0.4 U	0.42 U	0.39 U	0.42 U	0.4 U
Vanadium	NS	NS	11.1	7.5	10.2	6.2	11.8
Zinc	**109**	10,000	15.9	10.1	16.9	9.3	11.6

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-18_14_20211021	L1-EP-19_13_20211022	L1-EP-19X_13_20211022	L1-EP-20_13_20211022	L1-EP-21_13_20211022
		Laboratory Sample ID	460-245675-9	460-245759-1	460-245759-2	460-245759-3	460-245759-4
		Date Sampled	10/21/2021	10/22/2021	10/22/2021	10/22/2021	10/22/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	4,600	3,240	2,340	3,330	2,780
Antimony	NS	NS	0.99 U	1 U	0.95 U	0.97 U	0.99 U
Arsenic	13	16	0.91 J	0.75 J	0.59 J	0.73 J	0.6 J
Barium	350	400	33.6	29.9	19.4	26.4	23.1
Beryllium	7.2	72	0.26 J	0.17 J	0.13 J	0.15 J	0.12 J
Cadmium	2.5	4.3	0.99 U	1 U	0.95 U	0.97 U	0.99 U
Calcium	NS	NS	738	394 J	267 J	585	374
Chromium, Total	NS	NS	9.3	8.1	4.9	8.7	6.2
Cobalt	NS	NS	2.7	3	1.8 J	2.5	2.2
Copper	**50**	270	8.5	7.5	5	11.9	5.7
Iron	NS	NS	8,560	6,390	4,640	5,690	6,150
Lead	**63**	400	2.6	2.7	1.6	8.2	1.8
Magnesium	NS	NS	1,880	1,120 J	820 J	1,210	966
Manganese	**1,600**	2,000	164	217	163	168	193
Mercury	0.18	0.81	0.017 U	0.016 U	0.016 U	0.017 U	0.016 U
Nickel	30	310	6.7	7.6	3.9	6	5
Potassium	NS	NS	702	278	200	369	221
Selenium	3.9	180	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U
Silver	2	180	0.99 U	1 U	0.95 U	0.97 U	0.99 U
Sodium	NS	NS	111	104 U	95.3 U	51.4 J	60.8 J
Thallium	NS	NS	0.049 J	0.42 U	0.38 U	0.39 U	0.4 U
Vanadium	NS	NS	16.6	8.1	6.3	9.2	8.6
Zinc	**109**	10,000	12.3	10.5	7 J	20.8	9.9

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-22_13_20211022	L1-EP-23_13_20211022	L1-EP-24_13_20211022	L1-EP-25_13_20211022	L1-EP-26_8_20211028
		Laboratory Sample ID	460-245759-5	460-245759-6	460-245759-7	460-245759-8	460-246139-1
		Date Sampled	10/22/2021	10/22/2021	10/22/2021	10/22/2021	10/28/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	3,210	2,800	3,810	2,690	4,980
Antimony	NS	NS	1 U	0.99 U	1 U	0.97 U	1.1 UJ
Arsenic	13	16	0.78 J	1.5	0.8 J	1.1	1.3
Barium	350	400	18.4	18.9	19.7	12.3	26.3
Beryllium	7.2	72	0.16 J	0.14 J	0.2 J	0.17 J	0.26 J
Cadmium	2.5	4.3	1 U	0.99 U	1 U	0.97 U	1.1 U
Calcium	NS	NS	668	307	725	677	1,460 JL
Chromium, Total	NS	NS	7.5	6.2	8.7	7.3	9.5 J
Cobalt	NS	NS	2.3	2.9	2.9	2.6	3.3
Copper	**50**	270	9.6	6.7	10.6	7.3	15.7
Iron	NS	NS	6,730	6,280	8,090	8,240	9,470
Lead	**63**	400	2.9	2.3	4.1	2.3	8.6 J
Magnesium	NS	NS	1,080	911	1,630	1,200	1,390
Manganese	**1,600**	2,000	173	174	196	168	206
Mercury	0.18	0.81	0.017 U	0.017 U	0.017 U	0.017 U	0.0098 J
Nickel	30	310	5.5	4.9	6.5	7.3	7.6
Potassium	NS	NS	305	262	286	244	417
Selenium	3.9	180	1.2 U	1.2 U	1.3 U	1.2 U	1.4 U
Silver	2	180	1 U	0.99 U	1 U	0.97 U	1.1 U
Sodium	NS	NS	60.4 J	62.9 J	71.7 J	48.8 J	68.6 J
Thallium	NS	NS	0.4 U	0.4 U	0.4 U	0.39 U	0.44 U
Vanadium	NS	NS	10	9	10.6	13.7	15.1
Zinc	**109**	10,000	12.6	10	17.3	10.5	22.5

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-26X_8_20211028	L1-EP-27_8_20211028	L1-EP-28_8_20211028	L1-EP-29_9_20211028	L1-EP-30_8_20211028
		Laboratory Sample ID	460-246139-9	460-246139-2	460-246139-3	460-246139-4	460-246139-5
		Date Sampled	10/28/2021	10/28/2021	10/28/2021	10/28/2021	10/28/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	4,720	4,950	4,130	4,070	6,120
Antimony	NS	NS	1 UJ	1.2 U	1.1 U	0.97 U	1 U
Arsenic	13	16	1.4	1.9	1 J	1.1	2.6
Barium	350	400	24.9	32	23.7	21.5	43.3
Beryllium	7.2	72	0.26 J	0.27 J	0.25 J	0.22 J	0.29 J
Cadmium	2.5	4.3	1 U	1.2 U	1.1 U	0.97 U	1 U
Calcium	NS	NS	1,190 JL	2,850	874	1,310	1,630
Chromium, Total	NS	NS	12.5 J	13.2	9.8	11	11.3
Cobalt	NS	NS	3.4	3.6	3.5	2.9	4.3
Copper	**50**	270	15.3	40	10.6	19.3	27.4
Iron	NS	NS	9,720	11,200	9,200	8,690	11,400
Lead	**63**	400	9.2 J	17.2	4.5	7.2	22.9
Magnesium	NS	NS	1,300	1,500	1,190	1,140	1,490
Manganese	**1,600**	2,000	236	263	234	183	239
Mercury	0.18	0.81	0.012 J	0.013 J	0.02 U	0.017 U	0.03
Nickel	30	310	7.2	8.6	7.8	7.1	7.8
Potassium	NS	NS	398	470	368	325	446
Selenium	3.9	180	1.3 U	1.5 U	1.4 U	1.2 U	0.15 J
Silver	2	180	1 U	1.2 U	1.1 U	0.97 U	1 U
Sodium	NS	NS	57 J	97.8 J	53.6 J	75.7 J	65.9 J
Thallium	NS	NS	0.048 J	0.052 J	0.45 U	0.39 U	0.054 J
Vanadium	NS	NS	13.6	16.1	13.2	11.5	17.5
Zinc	**109**	10,000	22.2	38.2	23.6	19.1	59.4

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-31_8_20211028	L1-EP-32_17_20211213	L1-EP-33_17_20211213	L1-EP-34_14_20211213	L1-EP-35_9_20211213
		Laboratory Sample ID	460-246139-6	460-249032-5	460-249032-4	460-249032-2	460-249032-3
		Date Sampled	10/28/2021	12/13/2021	12/13/2021	12/13/2021	12/13/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	5,340	2,170	2,760	2,460	5,010
Antimony	NS	NS	0.96 U	1 U	0.98 U	1 U	1 U
Arsenic	13	16	1.7	1	0.87 J	0.74 J	1.9
Barium	350	400	27.3	12.7	16.8	18.6	28.6
Beryllium	7.2	72	0.38	0.12 J	0.15 J	0.18 J	0.27 J
Cadmium	2.5	4.3	0.96 U	1 U	0.98 U	1 U	1 U
Calcium	NS	NS	1,360	436	418	431	1,390
Chromium, Total	NS	NS	11	7.7	7.8	7.5	11.4
Cobalt	NS	NS	3.6	2.3	2.4	2.2	3.6
Copper	**50**	270	23.2	5.8	13	6.2	27
Iron	NS	NS	15,300	6,740	6,040	6,930	10,300
Lead	**63**	400	11	1.6	4.7	2.7	20.9
Magnesium	NS	NS	1,460	842	950	943	1,470
Manganese	**1,600**	2,000	299	164	153	176	185
Mercury	0.18	0.81	0.0096 J	0.017 U	0.0084 J	0.016 U	0.03
Nickel	30	310	8.2	5	5.5	5.4	8.3
Potassium	NS	NS	499	263	304	314	456
Selenium	3.9	180	0.14 J	1.3 U	1.2 U	1.2 U	1.3 U
Silver	2	180	0.96 U	1 U	0.98 U	1 U	1 U
Sodium	NS	NS	52.2 J	101 U	98.5 U	99.9 U	78.1 J
Thallium	NS	NS	0.061 J	0.4 U	0.39 U	0.4 U	0.42 U
Vanadium	NS	NS	16.7	8	9.3	8.3	16
Zinc	**109**	10,000	25.7	9.4	15.1	10.3	32.9

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-36_9_20211213	L1-EP-37_9_20211213	L1-EP-37X_9_20211213	L1-EP-38_6_20211213	L1-EP-39_6_20211213
		Laboratory Sample ID	460-249032-1	460-249032-7	460-249032-6	460-249032-8	460-249032-9
		Date Sampled	12/13/2021	12/13/2021	12/13/2021	12/13/2021	12/13/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	6,660	3,550	2,680	2,300	5,750
Antimony	NS	NS	1.1 U	0.84 UJ	1.1 UJ	0.79 U	0.81 U
Arsenic	13	16	2.6	0.93	0.96 J	0.86	1.9
Barium	350	400	64.1	20.3	18.3	13.7	19.4
Beryllium	7.2	72	0.37 J	0.18 J	0.16 J	0.15 J	0.28 J
Cadmium	2.5	4.3	0.14 J	0.84 U	1.1 U	0.79 U	0.81 U
Calcium	NS	NS	1,290	674 JL	620 JL	531	560
Chromium, Total	NS	NS	14.8	8.9 J	7 J	4.9	10.3
Cobalt	NS	NS	4.4	3	2.5	2	4.4
Copper	**50**	270	39.5	9.5 J	16.7 J	11.3	12
Iron	NS	NS	13,200	7,550	7,060	7,090	10,500
Lead	**63**	400	22.7	3.8 JL	3.9 JL	5.8	3.8
Magnesium	NS	NS	1,720	1,280 JL	857 JL	798	1,280
Manganese	**1,600**	2,000	647	170	151	173	120
Mercury	0.18	0.81	0.088	0.017 U	0.0091 J	0.018 U	0.01 J
Nickel	30	310	10.9	6.7	5.3	5.2	7.1
Potassium	NS	NS	496	378 JL	360 JL	266	363
Selenium	3.9	180	0.21 J	1.1 U	1.4 U	0.99 U	1 U
Silver	2	180	1.1 U	0.84 U	1.1 U	0.79 U	0.81 U
Sodium	NS	NS	81.2 J	60.8 J	60.2 J	37.2 J	46.8 J
Thallium	NS	NS	0.067 J	0.34 U	0.45 U	0.32 U	0.32 U
Vanadium	NS	NS	21.1	11.3	9.4	7.4	14.9
Zinc	**109**	10,000	42.9	13.4	13.5	17.4	15

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-40_9_20211228	L1-EP-40X_9_20211228	L1-EP-41_8_20211228	L1-EP-42_9_20211228	L1-EP-43_8_20211228
		Laboratory Sample ID	460-249912-1	460-249912-2	460-249912-3	460-249912-4	460-249912-5
		Date Sampled	12/28/2021	12/28/2021	12/28/2021	12/28/2021	12/28/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	3,650	3,510	4,010	3,930	2,990
Antimony	NS	NS	1.1 UJ	1 UJ	0.97 U	1 U	0.99 U
Arsenic	13	16	1.4	1.1	1.7	1.4	0.98 J
Barium	350	400	23.5	23.8	18.6	25	18.6
Beryllium	7.2	72	0.23 J	0.22 J	0.2 J	0.23 J	0.22 J
Cadmium	2.5	4.3	1.1 U	1 U	0.97 U	1 U	0.99 U
Calcium	NS	NS	1,610	1,550	725	1,780	409
Chromium, Total	NS	NS	10.1	8.6	7.9	10	12
Cobalt	NS	NS	2.8	3.5	2.3	3.1	2.6
Copper	**50**	270	29.4 JL	25.4 JL	27.8	33.1	8.3
Iron	NS	NS	9,630	9,130	6,360	9,570	11,400
Lead	**63**	400	8.1 J	7.9 J	3.2	11.4	2.7
Magnesium	NS	NS	1,140	1,050	1,050	1,320	879
Manganese	**1,600**	2,000	232	227	147	197	251
Mercury	0.18	0.81	0.017 U	0.0099 J	0.016 U	0.01 J	0.016 U
Nickel	30	310	6.6	6.5	5.5	7	5.3
Potassium	NS	NS	393	353	334	536	245
Selenium	3.9	180	1.3 U	1.3 U	1.2 U	1.3 U	1.2 U
Silver	2	180	1.1 U	1 U	0.97 U	1 U	0.99 U
Sodium	NS	NS	76.8 J	67.6 J	549	78.8 J	98.6 U
Thallium	NS	NS	0.42 U	0.41 U	0.39 U	0.045 J	0.39 U
Vanadium	NS	NS	13.4	10.5	9.8	13.2	13.9
Zinc	**109**	10,000	22.5 J	23.2 J	12.9	39.6	11.5

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-44_9_20211228	L1-EP-45_8_20211228	L1-EP-46_9_20211229	L1-EP-46X_9_20211229	L1-EP-47_9_20220104
		Laboratory Sample ID	460-249912-6	460-249912-7	460-249994-1	460-249994-2	460-250100-1
		Date Sampled	12/28/2021	12/28/2021	12/29/2021	12/29/2021	1/04/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	2,730	3,980	3,250	3,270	3,460
Antimony	NS	NS	1 U	1 U	1.1 UJ	0.65 JL	0.16 JL
Arsenic	13	16	0.71 J	1.2	1.1	3.1	1.2
Barium	350	400	22.3	20.3	18.7	23.9	19.6
Beryllium	7.2	72	0.16 J	0.24 J	0.18 J	0.18 J	0.2 J
Cadmium	2.5	4.3	1 U	1 U	1.1 U	0.48 J	1.1 U
Calcium	NS	NS	536	588	1,610	14,700	2,120 JL
Chromium, Total	NS	NS	6.5	12.3	9.1 JK	8.9 JK	9.5
Cobalt	NS	NS	2.4	3.7	2.6	3.2	2.5
Copper	**50**	270	13.5	9.5	16.7	**50.8**	18.5
Iron	NS	NS	6,240	9,090	8,690	11,300	8,460
Lead	**63**	400	3.9	3.9	6.8	20.2	7.3 J
Magnesium	NS	NS	907	1,530	1,140	1,060	1,200
Manganese	**1,600**	2,000	206	221	174 JK	345 JK	156
Mercury	0.18	0.81	0.017 U	0.016 U	0.017 U	0.017 U	0.017 U
Nickel	30	310	5.4	8	6.1	6.5	6.5
Potassium	NS	NS	292	370	338	391	377
Selenium	3.9	180	1.3 U	1.3 U	1.3 U	0.21 J	1.3 U
Silver	2	180	1 U	1 U	1.1 U	1.1 U	1.1 U
Sodium	NS	NS	49.5 J	49.5 J	66 J	92 J	69 J
Thallium	NS	NS	0.4 U	0.41 U	0.43 U	0.42 U	0.43 U
Vanadium	NS	NS	8.6	15.5	11.2	12.2	9.8 JK
Zinc	**109**	10,000	12.2	16.5	20.4	49.1	23.7 JK

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-47X_9_20220104	L1-EP-48_8_20220106	L1-EP-49_9_20220106	L1-EP-49X_9_20220106	L1-EP-50_15_20220110
		Laboratory Sample ID	460-250100-2	460-250264-1	460-250264-2	460-250264-3	460-250415-1
		Date Sampled	1/04/2022	1/06/2022	1/06/2022	1/06/2022	1/10/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	3,420	3,980	3,720	3,520	2,980
Antimony	NS	NS	1 UJ	1.2 U	1 UJ	1.2 UJ	1 U
Arsenic	13	16	1.1	1.1 J	1.2	1.1 J	0.75 J
Barium	350	400	17.9	26	21	19.7	56.9
Beryllium	7.2	72	0.18 J	0.21 J	0.19 J	0.16 J	0.15 J
Cadmium	2.5	4.3	1 U	1.2 U	1 U	1.2 U	1 U
Calcium	NS	NS	2,050 JL	1,390	1,110	1,260	629
Chromium, Total	NS	NS	9.9	8.8	8.8 J	17.8 J	8.2
Cobalt	NS	NS	3	3.2	2.5 JK	2.5 JK	6
Copper	**50**	270	16.1	29.9	14.2	15	6.7
Iron	NS	NS	8,770	7,260	7,210	6,330	7,490
Lead	**63**	400	7.2 J	15	6.2	6.6	1.9
Magnesium	NS	NS	1,130	1,250	1,200 JL	990 JL	1,190
Manganese	**1,600**	2,000	174	209	149 JK	178 JK	526
Mercury	0.18	0.81	0.017 U	0.02 U	0.016 U	0.021 U	0.018 U
Nickel	30	310	6.6	6.4	6.4 JK	6.5 JK	6.4
Potassium	NS	NS	354	373	425 JL	364 JL	336
Selenium	3.9	180	1.3 U	1.5 U	1.3 U	1.5 U	1.3 U
Silver	2	180	1 U	1.2 U	1 U	1.2 U	1 U
Sodium	NS	NS	86.4 J	89.8 J	67.2 J	69.3 J	58.1 J
Thallium	NS	NS	0.41 U	0.48 U	0.42 U	0.49 U	0.097 J
Vanadium	NS	NS	11.3 JK	9.7	9.5	8.7	9.8
Zinc	**109**	10,000	25.9 JK	29.2	17	18.8	14.9

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-51_15_20220110	L1-EP-51X_15_20220110	L1-EP-52_8_20220113	L1-EP-52X_8_20220113	L1-EP-53_8_20220118
		Laboratory Sample ID	460-250415-2	460-250415-3	460-250678-1	460-250678-2	460-250867-1
		Date Sampled	1/10/2022	1/10/2022	1/13/2022	1/13/2022	1/18/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	2,820	2,530	7,650 J	3,930 J	3,760
Antimony	NS	NS	1 UJ	1 UJ	1 UJ	0.91 UJ	1 U
Arsenic	13	16	0.62 J	0.59 J	1.3	1.3	1.3
Barium	350	400	15.4	15.6	26.6 JL	22.9 JL	21
Beryllium	7.2	72	0.13 J	0.11 J	0.33 J	0.2 J	0.2 J
Cadmium	2.5	4.3	1 U	1 U	1 U	0.91 U	1 U
Calcium	NS	NS	341	373	1,650 JL	1,700 JL	3,680
Chromium, Total	NS	NS	6.7	5.8	18.9 JL	9 JL	9.1
Cobalt	NS	NS	2 J	2.1	4.9 JL	2.8 JL	2.9
Copper	**50**	270	7.6 JK	8.6 JK	23.1 JL	25.1 JL	17.8
Iron	NS	NS	5,780	5,170	13,800 J	8,680 J	8,430
Lead	**63**	400	2.5 JK	2.9 JK	7.4	10.3	8.6
Magnesium	NS	NS	961	863	3,240 J	1,290 J	1,650
Manganese	**1,600**	2,000	165 JL	130 JL	208	189	200
Mercury	0.18	0.81	0.017 U	0.017 U	0.019 U	0.02 U	0.017 U
Nickel	30	310	4.5	4.2	13.3 JL	6.4 JL	6.6
Potassium	NS	NS	293	248	813 JL	363 JL	378
Selenium	3.9	180	1.3 U	1.3 U	1.3 U	1.1 U	1.3 U
Silver	2	180	1 U	1 U	1 U	0.91 U	1 U
Sodium	NS	NS	105 U	101 U	163	122	64.6 J
Thallium	NS	NS	0.42 U	0.4 U	0.41 U	0.37 U	0.41 U
Vanadium	NS	NS	7.2	7	20.1 JL	10.5 JL	11.9
Zinc	**109**	10,000	10.3	9.5	38.7 JL	26.1 JL	31.8

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-54_8_20220118	L1-EP-55_3_20220118	L1-EP-56_3_20220118	L1-EP-56X_3_20220118	L1-EP-56X_3_20220118
		Laboratory Sample ID	460-250867-2	460-250867-3	460-250867-4	460-250867-6	460-250867-6
		Date Sampled	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	2
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	3,730	6,700	4,330	4,500	NR
Antimony	NS	NS	1 U	1 JL	1.4	1	NR
Arsenic	13	16	1.2	4.7	3.4	3.9	NR
Barium	350	400	23.3	46.5 J	32.8 J	70.7 J	NR
Beryllium	7.2	72	0.19 J	0.32 J	0.23 J	0.36 J	NR
Cadmium	2.5	4.3	1 U	0.53 J	0.32 J	0.63 J	NR
Calcium	NS	NS	4,150	28,500	9,420	10,400	NR
Chromium, Total	NS	NS	9.1	16	13.1	14.1	NR
Cobalt	NS	NS	2.7	3.9	3.3 J	12.4 J	NR
Copper	**50**	270	19	**75.8**	**100**	**93.6**	NR
Iron	NS	NS	8,060	14,900	13,700 J	19,300 J	NR
Lead	**63**	400	7.5	51.5	44.1	60.5	NR
Magnesium	NS	NS	1,440	4,040	1,720	1,510	NR
Manganese	**1,600**	2,000	214	258	215 J	NR	**1,620 J**
Mercury	0.18	0.81	0.017 U	0.05 JL	0.04	0.029	NR
Nickel	30	310	7.2	10.2	9	11.3	NR
Potassium	NS	NS	423	726 JL	585	438	NR
Selenium	3.9	180	1.3 U	1.5 U	0.22 J	0.16 J	NR
Silver	2	180	1 U	1.2 U	1.1 U	1 U	NR
Sodium	NS	NS	108	340	151	117	NR
Thallium	NS	NS	0.41 U	0.47 U	0.43 U	0.12 J	NR
Vanadium	NS	NS	12.1	15.1	13.4	15.6	NR
Zinc	**109**	10,000	27.6	**343**	**197**	**224**	NR

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-57_3_20220118	L1-EP-58_4_20220118	L1-EP-59_4_20220118	L1-EP-60_6_20220125	L1-EP-61_15_20220125
		Laboratory Sample ID	460-250867-5	460-250867-9	460-250867-10	460-251253-1	460-251253-2
		Date Sampled	1/18/2022	1/18/2022	1/18/2022	1/25/2022	1/25/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	4,250	5,240	9,070	4,510	2,990
Antimony	NS	NS	0.86 J	1.1 U	0.63 J	0.13 J	0.79 UJ
Arsenic	13	16	4.2	2	4.5	2	0.47 J
Barium	350	400	38.8	35.2	43.8	29.7	23.3 JL
Beryllium	7.2	72	0.25 J	0.27 J	0.37	0.27 J	0.18 J
Cadmium	2.5	4.3	0.31 J	1.1 U	0.15 J	0.11 J	0.79 U
Calcium	NS	NS	4,720	5,860	3,200	8,760	307
Chromium, Total	NS	NS	12.2	11.9	19.8	10.6	5.9
Cobalt	NS	NS	3.9	3.7	4.9	3	2.7 JL
Copper	**50**	270	**219**	42	**159**	43.5	6.1
Iron	NS	NS	15,500	10,600	14,600	8,860	6,070
Lead	**63**	400	**99.9**	15.1	47.9	21.8	1.5
Magnesium	NS	NS	1,140	3,160	1,950	4,290	1,150 JL
Manganese	**1,600**	2,000	267	301	214	210	177
Mercury	0.18	0.81	0.049	0.0095 J	0.071	0.019	0.017 U
Nickel	30	310	10.5	9.6	11.7	6.7	6.3
Potassium	NS	NS	407	764	515	428	291
Selenium	3.9	180	0.26 J	1.3 U	0.21 J	0.13 J	0.99 U
Silver	2	180	0.097 J	1.1 U	0.89 U	0.81 U	0.79 U
Sodium	NS	NS	94.5 J	89.5 J	61.9 J	127	36.4 J
Thallium	NS	NS	0.054 J	0.06 J	0.07 J	0.043 J	0.32 U
Vanadium	NS	NS	13.1	13.8	21.7	12.2	7.7
Zinc	**109**	10,000	**219**	51.9	**123**	56.6	10.9

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-61X_15_20220125	L1-EP-62_8_20220125	L1-EP-63_8_20220125	L1-EP-64_15_20220125	L1-EP-65_5_20220223
		Laboratory Sample ID	460-251253-8	460-251253-3	460-251253-4	460-251253-5	460-253101-1
		Date Sampled	1/25/2022	1/25/2022	1/25/2022	1/25/2022	2/23/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	3,110	3,500	4,280	3,490	5,050 J
Antimony	NS	NS	0.77 UJ	0.78 U	0.79 U	0.77 U	1 UJ
Arsenic	13	16	0.46 J	0.86	1.2	1.6	1.3
Barium	350	400	20.1 JL	21.4	23.6	31	20.8
Beryllium	7.2	72	0.17 J	0.21 J	0.24 J	0.27 J	0.22 J
Cadmium	2.5	4.3	0.77 U	0.78 U	0.79 U	0.77 U	1 U
Calcium	NS	NS	249	844	3,160	946	816
Chromium, Total	NS	NS	5.8	8.8	10	10.7	8.3 J
Cobalt	NS	NS	2.1 JL	2.8	3	4.2	3
Copper	**50**	270	6.5	17.5	32.7	13.6	15
Iron	NS	NS	5,350	8,770	9,770	18,200	8,340 J
Lead	**63**	400	1.5	5.3	9.7	8	8.3 JK
Magnesium	NS	NS	1,040 JL	1,030	2,370	1,200	1,060 JK
Manganese	**1,600**	2,000	156	163	171	321	176 JL
Mercury	0.18	0.81	0.018 U	0.011 J	0.024	0.014 J	0.011 J
Nickel	30	310	5.7	5.9	7.4	9.3	6
Potassium	NS	NS	349	302	603	493	355
Selenium	3.9	180	0.96 U	0.98 U	0.98 U	0.96 U	1.3 U
Silver	2	180	0.77 U	0.78 U	0.79 U	0.77 U	1 U
Sodium	NS	NS	76.7 U	53.4 J	131	71 J	60.4 J
Thallium	NS	NS	0.31 U	0.31 U	0.066 J	0.061 J	0.41 U
Vanadium	NS	NS	7.3	12.1	13.5	14.6	12.2
Zinc	**109**	10,000	10.6	17.1	41.4	21	32.9 JL

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-65X_5_20220223	L1-EP-66_5_20220223	L1-EP-67_4.5_20220223	L1-EP-68_4.5_20220223	L1-EP-69_4_20220301
		Laboratory Sample ID	460-253101-2	460-253101-3	460-253101-4	460-253101-5	460-253438-1
		Date Sampled	2/23/2022	2/23/2022	2/23/2022	2/23/2022	3/01/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	8,320 J	5,290	4,500	3,760	4,150
Antimony	NS	NS	0.8 UJ	0.79 U	0.82 U	0.87 U	0.9 UJ
Arsenic	13	16	2	1.3	1.4	0.99	1.9
Barium	350	400	29.5	20.5	23.3	18.6	29.2
Beryllium	7.2	72	0.28 J	0.23 J	0.21 J	0.19 J	0.23 J
Cadmium	2.5	4.3	0.8 U	0.79 U	0.82 U	0.87 U	0.9 U
Calcium	NS	NS	847	993	3,480	1,310	3,540
Chromium, Total	NS	NS	14.3 J	10.5	9.1	11.2	11.5 JK
Cobalt	NS	NS	3.7	3.7	2.8	2.8	4.7
Copper	**50**	270	16.1	25	36.6	22	17.5 JL
Iron	NS	NS	12,400 J	9,060	9,300	7,360	21,500 J
Lead	**63**	400	8.6 JK	6.1	15.8	5.9	16.4 JL
Magnesium	NS	NS	1,560 JK	1,590	1,480	1,240	1,710 JK
Manganese	**1,600**	2,000	169 JL	212	187	175	354
Mercury	0.18	0.81	0.017 U	0.016 U	0.012 J	0.017 U	0.017 U
Nickel	30	310	8.6	7.7	6.5	6.1	9.5
Potassium	NS	NS	425	437	491	304	564
Selenium	3.9	180	0.19 J	0.13 J	1 U	1.1 U	1.1 U
Silver	2	180	0.8 U	0.79 U	0.82 U	0.87 U	0.9 U
Sodium	NS	NS	73.9 J	80.3	99	84.9 J	180
Thallium	NS	NS	0.058 J	0.045 J	0.041 J	0.35 U	0.062 J
Vanadium	NS	NS	19.4	14.8	12.4	10.6	16.9 JK
Zinc	**109**	10,000	24.4 JL	22	43.7	19.6	21.6

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-69X_4_20220301	L1-EP-70_4_20220301	L1-EP-71_4_20220301	L1-EP-72_8_20220309	L1-EP-72X_8_20220309
		Laboratory Sample ID	460-253438-2	460-253438-3	460-253438-4	460-253966-1	460-253966-2
		Date Sampled	3/01/2022	3/01/2022	3/01/2022	3/09/2022	3/09/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	4,170	4,910	4,340	2,860	5,350
Antimony	NS	NS	0.85 UJ	0.32 J	0.33 J	1.1 U	1.1 U
Arsenic	13	16	2.7	3.6	1.9	0.74 J	1.3
Barium	350	400	32.9	35.7	27.4	22.5	35
Beryllium	7.2	72	0.29 J	0.28 J	0.24 J	0.16 J	0.27 J
Cadmium	2.5	4.3	0.85 U	0.22 J	0.1 J	1.1 U	0.13 J
Calcium	NS	NS	3,660	4,310	2,870	473	576
Chromium, Total	NS	NS	10.9 JK	14.5	10	5.8	9.8
Cobalt	NS	NS	4.4	4.3	3.6	2.2	4.2
Copper	**50**	270	17.6 JL	**78.1**	**66.7**	6.4	10
Iron	NS	NS	16,400 J	14,800	9,810	5,690	9,340
Lead	**63**	400	13.5 JL	41.8	29.6	1.9	5
Magnesium	NS	NS	1,660 JK	1,720	1,560	967	1,510
Manganese	**1,600**	2,000	336	344	194	208	458
Mercury	0.18	0.81	0.011 J	0.039	0.022	0.018 U	0.018 U
Nickel	30	310	9.5	9.2	8.3	5.9	9.2
Potassium	NS	NS	548	439	453	224	360
Selenium	3.9	180	0.11 J	0.22 J	0.14 J	1.3 U	1.3 U
Silver	2	180	0.85 U	0.085 J	0.84 U	1.1 U	1.1 U
Sodium	NS	NS	167	101	90.7	108 U	106 U
Thallium	NS	NS	0.061 J	0.058 J	0.045 J	0.43 U	0.047 J
Vanadium	NS	NS	17.8 JK	20.8	13	7.7	13.3
Zinc	**109**	10,000	26.8	**144**	62.8	8.8	15.9

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-FB-01_20211006	L1-EP-FB-02_20211014	L1-EP-FB-03_20211021	L1-EP-FB-04_20211022	L1-EP-FB-05_20211028
		Laboratory Sample ID	460-244461-8	460-245127-6	460-245675-11	460-245759-17	460-246139-7
		Date Sampled	10/06/2021	10/14/2021	10/21/2021	10/22/2021	10/28/2021
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	40 U	40 U	40 U	40 U	40 U
Antimony	NS	NS	2 U	2 U	2 U	2 U	2 U
Arsenic	13	16	2 U	2 U	2 U	2 U	2 U
Barium	350	400	4 U	4 U	4 U	4 U	4 U
Beryllium	7.2	72	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	2.5	4.3	2 U	2 U	2 U	2 U	2 U
Calcium	NS	NS	500 U	500 U	500 U	500 U	500 U
Chromium, Total	NS	NS	4 U	4 U	4 U	4 U	4 U
Cobalt	NS	NS	4 U	4 U	4 U	4 U	4 U
Copper	**50**	270	4 U	4 U	4 U	4 U	4 U
Iron	NS	NS	120 U	120 U	120 U	120 U	120 U
Lead	**63**	400	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Magnesium	NS	NS	200 U	200 U	200 U	200 U	200 U
Manganese	**1,600**	2,000	8 U	8 U	8 U	8 U	8 U
Mercury	0.18	0.81	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	30	310	4 U	4 U	4 U	4 U	4 U
Potassium	NS	NS	200 U	200 U	200 U	200 U	200 U
Selenium	3.9	180	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Silver	2	180	2 U	2 U	2 U	2 U	2 U
Sodium	NS	NS	500 U	500 U	500 U	500 U	500 U
Thallium	NS	NS	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	NS	4 U	4 U	4 U	4 U	4 U
Zinc	**109**	10,000	16 U	16 U	16 U	16 U	16 U

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-FB-06_20211213	L1-EP-FB-07_20211228	L1-EP-FB-08_20211229	L1-EP-FB-09_20220104	L1-EP-FB-10_20220106
		Laboratory Sample ID	460-249032-10	460-249912-8	460-249994-3	460-250100-3	460-250264-4
		Date Sampled	12/13/2021	12/28/2021	12/29/2021	1/04/2022	1/06/2022
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	40 U	40 U	40 U	40 U	40 U
Antimony	NS	NS	2 U	2 U	2 U	2 U	2 U
Arsenic	13	16	2 U	2 U	2 U	2 U	2 U
Barium	350	400	4 U	4 U	4 U	4 U	4 U
Beryllium	7.2	72	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	2.5	4.3	2 U	2 U	2 U	2 U	2 U
Calcium	NS	NS	500 U	500 U	500 U	500 U	500 U
Chromium, Total	NS	NS	4 U	4 U	4 U	4 U	4 U
Cobalt	NS	NS	4 U	4 U	4 U	4 U	4 U
Copper	**50**	270	3.4 J	4 U	4 U	4 U	4 U
Iron	NS	NS	120 U	120 U	120 U	120 U	120 U
Lead	**63**	400	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Magnesium	NS	NS	200 U	200 U	200 U	200 U	200 U
Manganese	**1,600**	2,000	8 U	8 U	8 U	8 U	8 U
Mercury	0.18	0.81	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	30	310	1.1 J	4 U	4 U	4 U	4 U
Potassium	NS	NS	200 U	200 U	200 U	200 U	200 U
Selenium	3.9	180	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Silver	2	180	2 U	2 U	2 U	2 U	2 U
Sodium	NS	NS	500 U	500 U	500 U	500 U	500 U
Thallium	NS	NS	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	NS	4 U	4 U	4 U	4 U	4 U
Zinc	**109**	10,000	8.2 J	16 U	16 U	16 U	16 U

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-FB-11_20220110	L1-EP-FB-12_20220113	L1-EP-FB-14_20220125	L1-EP-FB-15_20220223	L1-EP-FB-16_20220301
		Laboratory Sample ID	460-250415-4	460-250678-3	460-251253-6	460-253101-6	460-253438-5
		Date Sampled	1/10/2022	1/13/2022	1/25/2022	2/23/2022	3/01/2022
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	40 U	40 U	40 U	40 U	40 U
Antimony	NS	NS	2 U	2 U	2 U	2 U	2 U
Arsenic	13	16	2 U	2 U	2 U	2 U	2 U
Barium	350	400	4 U	4 U	4 U	4 U	4 U
Beryllium	7.2	72	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	2.5	4.3	2 U	2 U	2 U	2 U	2 U
Calcium	NS	NS	500 U	500 U	500 U	500 U	129 J
Chromium, Total	NS	NS	4 U	4 U	4 U	4 U	4 U
Cobalt	NS	NS	4 U	4 U	4 U	4 U	4 U
Copper	**50**	270	4 U	4 U	4 U	4 U	4 U
Iron	NS	NS	120 U	120 U	120 U	120 U	120 U
Lead	**63**	400	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Magnesium	NS	NS	200 U	200 U	200 U	200 U	200 U
Manganese	**1,600**	2,000	8 U	8 U	8 U	8 U	8 U
Mercury	0.18	0.81	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	30	310	4 U	4 U	4 U	4 U	4 U
Potassium	NS	NS	200 U	200 U	200 U	200 U	200 U
Selenium	3.9	180	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Silver	2	180	2 U	2 U	2 U	2 U	2 U
Sodium	NS	NS	500 U	500 U	500 U	500 U	808
Thallium	NS	NS	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	NS	4 U	4 U	4 U	4 U	4 U
Zinc	**109**	10,000	16 U	16 U	16 U	16 U	16 U

Table 6
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-EP-FB-17_20220309	L1-EP-FB-13_20220118
		Laboratory Sample ID	460-253966-3	460-250867-7
		Date Sampled	3/09/2022	1/18/2022
		Unit	µg/L	µg/L
		Dilution Factor	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q
Aluminum	NS	NS	40 U	40 U
Antimony	NS	NS	2 U	2 U
Arsenic	13	16	2 U	2 U
Barium	350	400	4 U	4 U
Beryllium	7.2	72	0.8 U	0.8 U
Cadmium	2.5	4.3	2 U	2 U
Calcium	NS	NS	500 U	500 U
Chromium, Total	NS	NS	4 U	4 U
Cobalt	NS	NS	4 U	4 U
Copper	**50**	270	4 U	4 U
Iron	NS	NS	120 U	120 U
Lead	**63**	400	1.2 U	1.2 U
Magnesium	NS	NS	200 U	200 U
Manganese	**1,600**	2,000	8 U	8 U
Mercury	0.18	0.81	0.2 U	0.2 U
Nickel	30	310	4 U	4 U
Potassium	NS	NS	200 U	200 U
Selenium	3.9	180	2.5 U	2.5 U
Silver	2	180	2 U	2 U
Sodium	NS	NS	500 U	500 U
Thallium	NS	NS	0.8 U	0.8 U
Vanadium	NS	NS	4 U	4 U
Zinc	**109**	10,000	16 U	16 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-01_19_20211006	L1-EP-02_19_20211006	L1-EP-03_19_20211006	L1-EP-04_19_20211006
			Laboratory Sample ID	460-244461-1	460-244461-2	460-244461-3	460-244461-4
			Date Sampled	10/06/2021	10/06/2021	10/06/2021	10/06/2021
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	1.92 U	1.99 U	2.04 U	1.96 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	2.88 U	2.98 U	3.06 U	2.94 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.92 U	1.99 U	2.04 U	1.96 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.92 U	1.99 U	2.04 U	1.96 U
Perfluorobutanesulfonic acid	NS	NS	NS	1.92 U	1.99 U	2.04 U	1.96 U
Perfluorobutanoic acid	NS	NS	NS	1.92 U	1.99 U	2.04 U	1.96 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U
Perfluorodecanoic acid	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U
Perfluorododecanoic acid	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U
Perfluoroheptanoic acid	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U
Perfluorohexanoic acid	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U
Perfluorononanoic acid	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.58 U	0.6 U	0.61 U	0.33 J
Perfluorooctanoic acid	0.66	33	1.1	0.58 U	0.6 U	0.61 U	0.59 U
Perfluoropentanoic acid	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U
Perfluorotetradecanoic acid	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U
Perfluorotridecanoic acid	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U
Perfluoroundecanoic acid	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U
Perfluroroctanesulfonamide	NS	NS	NS	0.58 U	0.6 U	0.61 U	0.59 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-05_19_20211006	L1-EP-05X_19_20211006	L1-EP-06_19_20211006	L1-EP-07_19_20211014
			Laboratory Sample ID	460-244461-5	460-244461-6	460-244461-7	460-245205-1
			Date Sampled	10/06/2021	10/06/2021	10/06/2021	10/14/2021
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	2.04 U	1.94 U	2.04 U	2.04 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	3.06 U	2.91 U	3.06 U	3.05 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.04 R	1.94 R	2.04 U	2.04 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.04 R	1.94 R	2.04 U	2.04 U
Perfluorobutanesulfonic acid	NS	NS	NS	2.04 U	1.94 U	2.04 U	2.04 U
Perfluorobutanoic acid	NS	NS	NS	2.04 U	1.94 U	2.04 U	2.04 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U
Perfluorodecanoic acid	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U
Perfluorododecanoic acid	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U
Perfluoroheptanoic acid	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U
Perfluorohexanoic acid	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U
Perfluorononanoic acid	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.61 U	0.58 U	0.21 J	0.61 U
Perfluorooctanoic acid	0.66	33	1.1	0.61 U	0.19 J	0.61 U	0.61 U
Perfluoropentanoic acid	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U
Perfluorotetradecanoic acid	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U
Perfluorotridecanoic acid	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U
Perfluoroundecanoic acid	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U
Perfluroroctanesulfonamide	NS	NS	NS	0.61 U	0.58 U	0.61 U	0.61 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-08_19_20211014	L1-EP-08X_19_20211014	L1-EP-09_19_20211014	L1-EP-10_19_20211014
			Laboratory Sample ID	460-245205-2	460-245205-3	460-245205-4	460-245205-5
			Date Sampled	10/14/2021	10/14/2021	10/14/2021	10/14/2021
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	1.92 U	1.97 U	1.97 U	1.95 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	2.89 U	2.96 U	2.96 U	2.92 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.92 U	1.97 U	1.97 U	1.95 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.92 U	1.97 U	1.97 U	1.95 U
Perfluorobutanesulfonic acid	NS	NS	NS	1.92 U	1.97 U	1.97 U	1.95 U
Perfluorobutanoic acid	NS	NS	NS	1.92 U	1.97 U	1.97 U	1.95 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U
Perfluorodecanoic acid	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U
Perfluorododecanoic acid	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U
Perfluoroheptanoic acid	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U
Perfluorohexanoic acid	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U
Perfluorononanoic acid	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.22 J	0.59 U	0.59 U	0.54 J
Perfluorooctanoic acid	0.66	33	1.1	0.58 U	0.59 U	0.59 U	0.58 U
Perfluoropentanoic acid	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U
Perfluorotetradecanoic acid	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U
Perfluorotridecanoic acid	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U
Perfluoroundecanoic acid	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U
Perfluroroctanesulfonamide	NS	NS	NS	0.58 U	0.59 U	0.59 U	0.58 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-11_19_20211021	L1-EP-12_19_20211021	L1-EP-12X_19_20211021	L1-EP-13_19_20211021
			Laboratory Sample ID	460-245679-1	460-245679-2	460-245679-3	460-245679-4
			Date Sampled	10/21/2021	10/21/2021	10/21/2021	10/21/2021
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	1.86 U	2.56 U	1.97 U	1.9 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	2.79 U	3.84 U	2.96 U	2.85 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.86 U	2.56 U	0.34 J	1.9 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.86 U	2.56 U	0.22 J	1.9 U
Perfluorobutanesulfonic acid	NS	NS	NS	1.86 U	2.56 U	1.97 U	1.9 U
Perfluorobutanoic acid	NS	NS	NS	1.86 U	2.56 U	1.97 U	1.9 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U
Perfluorodecanoic acid	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U
Perfluorododecanoic acid	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U
Perfluoroheptanoic acid	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U
Perfluorohexanoic acid	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U
Perfluorononanoic acid	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.56 U	0.77 U	0.59 U	0.57 U
Perfluorooctanoic acid	0.66	33	1.1	0.56 U	0.77 U	0.59 U	0.57 U
Perfluoropentanoic acid	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U
Perfluorotetradecanoic acid	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U
Perfluorotridecanoic acid	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U
Perfluoroundecanoic acid	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U
Perfluroroctanesulfonamide	NS	NS	NS	0.56 U	0.77 U	0.59 U	0.57 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-14_19_20211021	L1-EP-15_19_20211021	L1-EP-16_19_20211021	L1-EP-17_14_20211021
			Laboratory Sample ID	460-245679-5	460-245679-6	460-245679-7	460-245679-8
			Date Sampled	10/21/2021	10/21/2021	10/21/2021	10/21/2021
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	2.05 U	2 U	2.02 U	2.47 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	3.08 U	3 U	3.02 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.05 U	2 U	2.02 U	2.47 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.05 U	2 U	2.02 U	2.47 U
Perfluorobutanesulfonic acid	NS	NS	NS	2.05 U	2 U	2.02 U	2.47 U
Perfluorobutanoic acid	NS	NS	NS	2.05 U	2 U	2.02 U	2.47 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U
Perfluorodecanoic acid	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U
Perfluorododecanoic acid	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U
Perfluoroheptanoic acid	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U
Perfluorohexanoic acid	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U
Perfluorononanoic acid	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.62 U	0.6 U	0.6 U	0.74 U
Perfluorooctanoic acid	0.66	33	1.1	0.62 U	0.6 U	0.6 U	0.74 U
Perfluoropentanoic acid	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U
Perfluorotetradecanoic acid	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U
Perfluorotridecanoic acid	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U
Perfluoroundecanoic acid	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U
Perfluroroctanesulfonamide	NS	NS	NS	0.62 U	0.6 U	0.6 U	0.74 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-18_14_20211021	L1-EP-19_13_20211022	L1-EP-19X_13_20211022	L1-EP-20_13_20211022
			Laboratory Sample ID	460-245679-9	460-245781-1	460-245781-2	460-245781-3
			Date Sampled	10/21/2021	10/22/2021	10/22/2021	10/22/2021
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	2.51 U	1.9 U	2.04 U	2.01 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	3.76 U	2.85 U	3.06 U	3.01 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.43 J	1.9 UJ	2.04 U	2.01 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.42 J	1.9 U	2.04 U	2.01 U
Perfluorobutanesulfonic acid	NS	NS	NS	2.51 U	1.9 U	2.04 U	2.01 U
Perfluorobutanoic acid	NS	NS	NS	2.51 U	1.9 U	2.04 U	2.01 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U
Perfluorodecanoic acid	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U
Perfluorododecanoic acid	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U
Perfluoroheptanoic acid	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U
Perfluorohexanoic acid	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U
Perfluorononanoic acid	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.75 U	0.57 U	0.61 U	0.6 U
Perfluorooctanoic acid	0.66	33	1.1	0.75 U	0.2 J	0.61 U	0.6 U
Perfluoropentanoic acid	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U
Perfluorotetradecanoic acid	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U
Perfluorotridecanoic acid	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U
Perfluoroundecanoic acid	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U
Perfluroroctanesulfonamide	NS	NS	NS	0.75 U	0.57 U	0.61 U	0.6 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

				AKRF Sample ID	L1-EP-21_13_20211022	L1-EP-22_13_20211022	L1-EP-23_13_20211022	L1-EP-24_13_20211022
				Laboratory Sample ID	460-245781-4	460-245781-5	460-245781-6	460-245781-7
				Date Sampled	10/22/2021	10/22/2021	10/22/2021	10/22/2021
				Dilution Factor	1	1	1	1
				Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**		CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS		1.88 U	2.02 U	1.88 U	2.01 U
8:2 Fluorotelomer sulfonate	NS	NS	NS		2.83 U	3.03 U	2.83 U	3.02 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS		1.88 U	2.02 U	1.88 U	2.01 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS		1.88 U	2.02 U	1.88 U	2.01 U
Perfluorobutanesulfonic acid	NS	NS	NS		1.88 U	2.02 U	1.88 U	2.01 U
Perfluorobutanoic acid	NS	NS	NS		1.88 U	2.02 U	1.88 U	2.01 U
Perfluorodecanesulfonic acid	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U
Perfluorodecanoic acid	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U
Perfluorododecanoic acid	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U
Perfluoroheptanesulfonic acid	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U
Perfluoroheptanoic acid	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U
Perfluorohexanesulfonic acid	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U
Perfluorohexanoic acid	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U
Perfluorononanoic acid	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U
Perfluorooctanesulfonic acid	0.88	44	3.7		0.57 U	0.61 U	0.57 U	0.6 U
Perfluorooctanoic acid	0.66	33	1.1		0.57 U	0.61 U	0.57 U	0.6 U
Perfluoropentanoic acid	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U
Perfluorotetradecanoic acid	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U
Perfluorotridecanoic acid	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U
Perfluoroundecanoic acid	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U
Perfluroroctanesulfonamide	NS	NS	NS		0.57 U	0.61 U	0.57 U	0.6 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-25_13_20211022	L1-EP-26_8_20211028	L1-EP-26X_8_20211028	L1-EP-27_8_20211028
			Laboratory Sample ID	460-245781-8	460-246138-1	460-246138-8	460-246138-2
			Date Sampled	10/22/2021	10/28/2021	10/28/2021	10/28/2021
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	2.07 U	2.04 U	2.01 U	2.15 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	3.11 U	3.05 U	3.02 U	3.22 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.07 U	2.04 U	2.01 U	2.15 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.07 U	2.04 U	2.01 U	2.15 U
Perfluorobutanesulfonic acid	NS	NS	NS	2.07 U	2.04 U	2.01 U	2.15 U
Perfluorobutanoic acid	NS	NS	NS	2.07 U	2.04 U	2.01 U	2.15 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U
Perfluorodecanoic acid	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U
Perfluorododecanoic acid	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U
Perfluoroheptanoic acid	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U
Perfluorohexanoic acid	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U
Perfluorononanoic acid	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.62 U	0.61 U	0.6 U	0.64 U
Perfluorooctanoic acid	0.66	33	1.1	0.62 U	0.61 U	0.6 U	0.64 U
Perfluoropentanoic acid	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U
Perfluorotetradecanoic acid	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U
Perfluorotridecanoic acid	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U
Perfluoroundecanoic acid	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U
Perfluroroctanesulfonamide	NS	NS	NS	0.62 U	0.61 U	0.6 U	0.64 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-28_8_20211028	L1-EP-29_8_20211028	L1-EP-30_8_20211028	L1-EP-31_8_20211028
			Laboratory Sample ID	460-246138-3	460-246138-4	460-246138-5	460-246138-6
			Date Sampled	10/28/2021	10/28/2021	10/28/2021	10/28/2021
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	2.5 U	1.97 U	2.16 U	2.09 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	3.76 U	2.95 U	3.25 U	3.13 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.5 U	1.97 U	2.16 U	2.09 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.5 U	1.97 U	2.16 U	2.09 UJ
Perfluorobutanesulfonic acid	NS	NS	NS	2.5 U	1.97 U	2.16 U	2.09 U
Perfluorobutanoic acid	NS	NS	NS	2.5 U	1.97 U	2.16 U	2.09 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U
Perfluorodecanoic acid	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U
Perfluorododecanoic acid	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U
Perfluoroheptanoic acid	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U
Perfluorohexanoic acid	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U
Perfluorononanoic acid	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.75 U	0.59 U	0.65 U	0.63 U
Perfluorooctanoic acid	0.66	33	1.1	0.75 U	0.59 U	0.65 U	0.63 U
Perfluoropentanoic acid	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U
Perfluorotetradecanoic acid	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U
Perfluorotridecanoic acid	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U
Perfluoroundecanoic acid	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U
Perfluroroctanesulfonamide	NS	NS	NS	0.75 U	0.59 U	0.65 U	0.63 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-32_17_20211213	L1-EP-33_17_20211213	L1-EP-34_14_20211213	L1-EP-35_9_20211213
			Laboratory Sample ID	460-249052-5	460-249052-4	460-249052-2	460-249052-3
			Date Sampled	12/13/2021	12/13/2021	12/13/2021	12/13/2021
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	1.98 U	2.08 U	1.94 U	2.09 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	1.98 U	2.08 U	1.94 U	2.09 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.98 U	2.08 U	1.94 U	2.09 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.98 U	2.08 U	1.94 U	2.09 U
Perfluorobutanesulfonic acid	NS	NS	NS	0.2 U	0.21 U	0.0092 J	0.21 U
Perfluorobutanoic acid	NS	NS	NS	0.5 U	0.52 U	0.49 U	0.52 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U
Perfluorodecanoic acid	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U
Perfluorododecanoic acid	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U
Perfluoroheptanoic acid	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U
Perfluorohexanoic acid	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U
Perfluorononanoic acid	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.2 U	0.21 U	0.19 U	0.044 J
Perfluorooctanoic acid	0.66	33	1.1	0.2 U	0.21 U	0.19 U	0.026 J
Perfluoropentanoic acid	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U
Perfluorotetradecanoic acid	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U
Perfluorotridecanoic acid	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U
Perfluoroundecanoic acid	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U
Perfluroroctanesulfonamide	NS	NS	NS	0.2 U	0.21 U	0.19 U	0.21 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-36_9_20211213	L1-EP-37_9_20211213	L1-EP-37X_9_20211213	L1-EP-38_6_20211213
			Laboratory Sample ID	460-249052-1	460-249052-7	460-249052-6	460-249052-8
			Date Sampled	12/13/2021	12/13/2021	12/13/2021	12/13/2021
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	2.11 U	2.06 U	2.06 U	2.06 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	2.11 U	2.06 U	2.06 U	2.06 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.11 U	2.06 U	2.06 U	2.06 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.11 U	2.06 U	2.06 U	2.06 U
Perfluorobutanesulfonic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U
Perfluorobutanoic acid	NS	NS	NS	0.53 U	0.51 U	0.52 U	0.51 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U
Perfluorodecanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U
Perfluorododecanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U
Perfluoroheptanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.014 J
Perfluorohexanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U
Perfluorononanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.025 J	0.21 U	0.21 U	0.023 J
Perfluorooctanoic acid	0.66	33	1.1	0.21 U	0.21 U	0.21 U	0.035 J
Perfluoropentanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U
Perfluorotetradecanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U
Perfluorotridecanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U
Perfluoroundecanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U
Perfluroroctanesulfonamide	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.21 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-39_6_20211213	L1-EP-40_9_20220126	L1-EP-40X_9_20220126	L1-EP-41_8_20220126
			Laboratory Sample ID	460-249052-9	460-251394-1	460-251394-2	460-251394-3
			Date Sampled	12/13/2021	1/26/2022	1/26/2022	1/26/2022
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	2.21 U	0.21 U	0.21 U	0.21 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	2.21 U	0.21 U	0.21 U	0.21 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.21 U	0.21 U	0.21 U	0.21 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.21 U	0.21 U	0.21 U	0.21 U
Perfluorobutanesulfonic acid	NS	NS	NS	0.22 U	0.42 U	0.42 U	0.42 U
Perfluorobutanoic acid	NS	NS	NS	0.55 U	0.21 U	0.21 U	0.21 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.22 U	0.21 UJ	0.21 UJ	0.21 UJ
Perfluorodecanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorododecanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluoroheptanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.033 J
Perfluorohexanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorononanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.22 U	0.046 J	0.044 J	0.26
Perfluorooctanoic acid	0.66	33	1.1	0.22 U	0.028 J	0.03 J	0.11 J
Perfluoropentanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorotetradecanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorotridecanoic acid	NS	NS	NS	0.22 U	0.21 UJ	0.21 UJ	0.21 R
Perfluoroundecanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluroroctanesulfonamide	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-42_9_20220126	L1-EP-43_8_20220126	L1-EP-44_9_20220126	L1-EP-45_8_20220126
			Laboratory Sample ID	460-251394-4	460-251394-5	460-251394-6	460-251394-7
			Date Sampled	1/26/2022	1/26/2022	1/26/2022	1/26/2022
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorobutanesulfonic acid	NS	NS	NS	0.43 U	0.43 U	0.42 U	0.42 U
Perfluorobutanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.22 UJ	0.21 UJ	0.21 UJ	0.21 UJ
Perfluorodecanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorododecanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluoroheptanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorohexanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorononanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.045 J	0.21 U	0.037 J	0.13 J
Perfluorooctanoic acid	0.66	33	1.1	0.025 J	0.21 U	0.023 J	0.061 J
Perfluoropentanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorotetradecanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorotridecanoic acid	NS	NS	NS	0.22 UJ	0.21 UJ	0.21 UJ	0.21 UJ
Perfluoroundecanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluroroctanesulfonamide	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-46_9_20211229	L1-EP-46X_9_20211229	L1-EP-47_9_20220104	L1-EP-47X_9_20220104
			Laboratory Sample ID	460-250076-1	460-250076-2	460-250109-1	460-250109-2
			Date Sampled	12/29/2021	12/29/2021	1/04/2022	1/04/2022
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	2.05 U	2.01 U	2.11 U	2.08 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	3.07 U	3.01 U	3.17 U	3.12 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.05 U	2.01 U	2.11 U	2.08 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.05 U	2.01 U	2.11 U	2.08 U
Perfluorobutanesulfonic acid	NS	NS	NS	2.05 U	2.01 U	2.11 U	2.08 U
Perfluorobutanoic acid	NS	NS	NS	2.05 U	2.01 U	2.11 U	2.08 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U
Perfluorodecanoic acid	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U
Perfluorododecanoic acid	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U
Perfluoroheptanoic acid	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U
Perfluorohexanoic acid	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U
Perfluorononanoic acid	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.61 U	0.6 U	0.63 U	0.62 U
Perfluorooctanoic acid	0.66	33	1.1	0.61 U	0.6 U	0.63 U	0.62 U
Perfluoropentanoic acid	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U
Perfluorotetradecanoic acid	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U
Perfluorotridecanoic acid	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U
Perfluoroundecanoic acid	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U
Perfluroroctanesulfonamide	NS	NS	NS	0.61 U	0.6 U	0.63 U	0.62 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-48_8_20220106	L1-EP-49_9_20220106	L1-EP-49X_9_20220106	L1-EP-50_15_20220110
			Laboratory Sample ID	460-250274-1	460-250274-2	460-250274-3	460-250435-1
			Date Sampled	1/06/2022	1/06/2022	1/06/2022	1/10/2022
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	2.03 U	2.13 U	1.95 U	1.96 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	3.04 U	3.2 U	2.92 U	2.94 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.03 U	2.13 U	1.95 U	1.96 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.03 U	2.13 U	1.95 U	1.96 U
Perfluorobutanesulfonic acid	NS	NS	NS	2.03 U	2.13 U	1.95 U	1.96 U
Perfluorobutanoic acid	NS	NS	NS	2.03 U	2.13 U	1.95 U	1.96 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U
Perfluorodecanoic acid	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U
Perfluorododecanoic acid	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U
Perfluoroheptanoic acid	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U
Perfluorohexanoic acid	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U
Perfluorononanoic acid	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.61 U	0.64 U	0.58 U	0.59 U
Perfluorooctanoic acid	0.66	33	1.1	0.61 U	0.25 J	0.24 J	0.59 U
Perfluoropentanoic acid	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U
Perfluorotetradecanoic acid	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U
Perfluorotridecanoic acid	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U
Perfluoroundecanoic acid	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U
Perfluroroctanesulfonamide	NS	NS	NS	0.61 U	0.64 U	0.58 U	0.59 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-51_15_20220110	L1-EP-51X_15_20220110	L1-EP-52_8_20220113	L1-EP-52X_8_20220113
			Laboratory Sample ID	460-250435-2	460-250435-3	460-250687-1	460-250687-2
			Date Sampled	1/10/2022	1/10/2022	1/13/2022	1/13/2022
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	1.94 U	1.94 U	2.08 U	2.02 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	2.91 U	2.91 U	3.13 U	3.03 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.94 U	1.94 U	2.08 U	2.02 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.94 U	1.94 U	2.08 U	2.02 U
Perfluorobutanesulfonic acid	NS	NS	NS	1.94 U	1.94 U	2.08 U	2.02 U
Perfluorobutanoic acid	NS	NS	NS	1.94 U	1.94 U	2.08 U	2.02 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U
Perfluorodecanoic acid	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U
Perfluorododecanoic acid	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U
Perfluoroheptanoic acid	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U
Perfluorohexanoic acid	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U
Perfluorononanoic acid	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.58 U	0.58 U	0.63 U	0.61 U
Perfluorooctanoic acid	0.66	33	1.1	0.58 U	0.58 U	0.63 U	0.61 U
Perfluoropentanoic acid	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U
Perfluorotetradecanoic acid	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U
Perfluorotridecanoic acid	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U
Perfluoroundecanoic acid	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U
Perfluroroctanesulfonamide	NS	NS	NS	0.58 U	0.58 U	0.63 U	0.61 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-53_8_20220118	L1-EP-54_8_20220118	L1-EP-55_3_20220118	L1-EP-56_3_20220118
			Laboratory Sample ID	460-250868-1	460-250868-2	460-250868-3	460-250868-4
			Date Sampled	1/18/2022	1/18/2022	1/18/2022	1/18/2022
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	2.16 U	1.99 U	2.13 U	2.05 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	3.25 U	2.98 U	3.19 U	3.08 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.16 U	1.99 U	2.13 U	2.05 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.16 U	1.99 U	2.13 U	2.05 U
Perfluorobutanesulfonic acid	NS	NS	NS	2.16 U	1.99 U	2.13 U	2.05 U
Perfluorobutanoic acid	NS	NS	NS	2.16 U	1.99 U	2.13 U	2.05 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U
Perfluorodecanoic acid	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U
Perfluorododecanoic acid	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U
Perfluoroheptanoic acid	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U
Perfluorohexanoic acid	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U
Perfluorononanoic acid	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.65 U	0.6 U	0.54 J	0.26 J
Perfluorooctanoic acid	0.66	33	1.1	0.65 U	0.6 U	0.64 U	0.62 U
Perfluoropentanoic acid	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U
Perfluorotetradecanoic acid	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U
Perfluorotridecanoic acid	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U
Perfluoroundecanoic acid	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U
Perfluroroctanesulfonamide	NS	NS	NS	0.65 U	0.6 U	0.64 U	0.62 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-56X_3_20220118	L1-EP-57_3_20220118	L1-EP-58_3_20220118	L1-EP-59_3_20220118
			Laboratory Sample ID	460-250868-6	460-250868-5	460-250868-8	460-250868-9
			Date Sampled	1/18/2022	1/18/2022	1/18/2022	1/18/2022
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	2.23 U	2.09 U	2.09 U	2.22 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	3.34 U	3.13 U	3.14 U	3.32 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.23 U	2.09 U	2.09 U	2.22 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.23 U	2.09 U	2.09 U	2.22 U
Perfluorobutanesulfonic acid	NS	NS	NS	2.23 U	2.09 U	2.09 U	2.22 U
Perfluorobutanoic acid	NS	NS	NS	2.23 U	2.09 U	2.09 U	2.22 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U
Perfluorodecanoic acid	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U
Perfluorododecanoic acid	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U
Perfluoroheptanoic acid	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U
Perfluorohexanoic acid	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U
Perfluorononanoic acid	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.67 U	0.63 U	0.63 U	0.66 U
Perfluorooctanoic acid	0.66	33	1.1	0.67 U	0.63 U	0.63 U	0.66 U
Perfluoropentanoic acid	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U
Perfluorotetradecanoic acid	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U
Perfluorotridecanoic acid	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U
Perfluoroundecanoic acid	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U
Perfluroroctanesulfonamide	NS	NS	NS	0.67 U	0.63 U	0.63 U	0.66 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-60_6_20220125	L1-EP-61_15_20220125	L1-EP-61X_15_20220125	L1-EP-62_8_20220125
			Laboratory Sample ID	460-251351-1	460-251351-2	460-251351-7	460-251351-3
			Date Sampled	1/25/2022	1/25/2022	1/25/2022	1/25/2022
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorobutanesulfonic acid	NS	NS	NS	0.44 U	0.42 U	0.42 U	0.42 U
Perfluorobutanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorodecanoic acid	NS	NS	NS	0.22 U	0.21 UJ	0.21 UJ	0.21 U
Perfluorododecanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.22 U	0.21 UJ	0.21 UJ	0.21 UJ
Perfluoroheptanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorohexanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorononanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorooctanoic acid	0.66	33	1.1	0.22 U	0.21 U	0.21 U	0.027 J
Perfluoropentanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorotetradecanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluorotridecanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluoroundecanoic acid	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U
Perfluroroctanesulfonamide	NS	NS	NS	0.22 U	0.21 U	0.21 U	0.21 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-63_8_20220125	L1-EP-64_15_20220125	L1-EP-65_5_20220223	L1-EP-65X_5_20220223
			Laboratory Sample ID	460-251351-4	460-251351-5	460-253150-1	460-253150-2
			Date Sampled	1/25/2022	1/25/2022	2/23/2022	2/23/2022
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluorobutanesulfonic acid	NS	NS	NS	0.42 U	0.42 U	0.44 U	0.42 U
Perfluorobutanoic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluorodecanoic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluorododecanoic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.21 UJ	0.21 UJ	0.22 U	0.21 U
Perfluoroheptanoic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluorohexanoic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluorononanoic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.041 J	0.075 J	0.042 J	0.21 U
Perfluorooctanoic acid	0.66	33	1.1	0.034 J	0.043 J	0.031 J	0.026 J
Perfluoropentanoic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluorotetradecanoic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluorotridecanoic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluoroundecanoic acid	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U
Perfluroroctanesulfonamide	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.21 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-66_5_20220223	L1-EP-67_4.5_20220223	L1-EP-68_4.5_20220223	L1-EP-69_4_20220301
			Laboratory Sample ID	460-253150-3	460-253150-4	460-253150-5	460-253472-1
			Date Sampled	2/23/2022	2/23/2022	2/23/2022	3/01/2022
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluorobutanesulfonic acid	NS	NS	NS	0.42 U	0.43 U	0.42 U	0.43 U
Perfluorobutanoic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluorodecanoic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluorododecanoic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluoroheptanoic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluorohexanoic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluorononanoic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.046 J	0.22 U	0.21 U	0.11 J
Perfluorooctanoic acid	0.66	33	1.1	0.026 J	0.22 U	0.21 U	0.064 J
Perfluoropentanoic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluorotetradecanoic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluorotridecanoic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluoroundecanoic acid	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U
Perfluroroctanesulfonamide	NS	NS	NS	0.21 U	0.22 U	0.21 U	0.21 U

Table 7
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250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-69X_4_20220301	L1-EP-70_4_20220301	L1-EP-71_4_20220301	L1-EP-72_8_20220309
			Laboratory Sample ID	460-253472-2	460-253472-3	460-253472-4	460-253994-1
			Date Sampled	3/01/2022	3/01/2022	3/01/2022	3/09/2022
			Dilution Factor	1	1	1	1
			Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
Perfluorobutanesulfonic acid	NS	NS	NS	0.43 U	0.42 U	0.42 U	0.43 U
Perfluorobutanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
Perfluorodecanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
Perfluorododecanoic acid	NS	NS	NS	0.21 U	0.13 J	0.21 U	0.22 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
Perfluoroheptanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
Perfluorohexanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
Perfluorononanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.1 J	0.08 J	0.094 J	0.074 JK
Perfluorooctanoic acid	0.66	33	1.1	0.068 J	0.027 J	0.046 J	0.22 U
Perfluoropentanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
Perfluorotetradecanoic acid	NS	NS	NS	0.21 U	0.087 J	0.21 U	0.22 U
Perfluorotridecanoic acid	NS	NS	NS	0.21 U	0.14 J	0.21 U	0.22 U
Perfluoroundecanoic acid	NS	NS	NS	0.21 U	0.21 U	0.21 U	0.22 U
Perfluroroctanesulfonamide	NS	NS	NS	0.21 U	0.21 U	0.056 J	0.22 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-72X_8_20220309	L1-EP-FB_13_20220118	L1-EP-FB-01_20211006	L1-EP-FB-02_20211014
			Laboratory Sample ID	460-253994-2	460-250868-7	460-244461-8	460-245205-6
			Date Sampled	3/09/2022	1/18/2022	10/06/2021	10/14/2021
			Dilution Factor	1	1	1	1
			Unit	ppb	ppt	ppt	ppt
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	0.21 U	4.43 U	4.21 U	4.44 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	0.21 U	2.66 U	2.53 U	2.66 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.21 U	2.66 U	2.53 U	2.66 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.21 U	1.77 U	1.68 U	1.77 U
Perfluorobutanesulfonic acid	NS	NS	NS	0.43 U	1.77 U	1.68 U	1.77 U
Perfluorobutanoic acid	NS	NS	NS	0.21 U	4.43 U	1.97 J	4.62
Perfluorodecanesulfonic acid	NS	NS	NS	0.21 U	1.77 U	1.68 U	1.77 U
Perfluorodecanoic acid	NS	NS	NS	0.21 U	1.77 U	1.68 U	1.77 U
Perfluorododecanoic acid	NS	NS	NS	0.21 U	1.77 U	1.68 U	1.77 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.21 U	1.77 U	1.68 U	1.77 U
Perfluoroheptanoic acid	NS	NS	NS	0.21 U	1.77 U	1.68 U	1.77 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.21 U	1.77 U	1.68 U	1.77 U
Perfluorohexanoic acid	NS	NS	NS	0.21 U	1.77 U	1.24 J	0.92 J
Perfluorononanoic acid	NS	NS	NS	0.21 U	1.77 U	1.68 U	1.77 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.081 JK	1.77 U	1.68 U	1.77 U
Perfluorooctanoic acid	0.66	33	1.1	0.21 U	1.77 U	1.68 U	0.55 J
Perfluoropentanoic acid	NS	NS	NS	0.21 U	1.77 U	1.31 J	1.77 U
Perfluorotetradecanoic acid	NS	NS	NS	0.21 U	1.77 U	1.68 U	1.77 U
Perfluorotridecanoic acid	NS	NS	NS	0.21 U	1.77 U	1.68 U	1.77 U
Perfluoroundecanoic acid	NS	NS	NS	0.21 U	1.77 U	1.68 U	1.77 U
Perfluroroctanesulfonamide	NS	NS	NS	0.21 U	1.77 U	1.68 U	1.77 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-FB-03_20211021	L1-EP-FB-04_20211022	L1-EP-FB-05_20211028	L1-EP-FB-06_20211213
			Laboratory Sample ID	460-245679-10	460-245781-9	460-246138-7	460-249052-10
			Date Sampled	10/21/2021	10/22/2021	10/28/2021	12/13/2021
			Dilution Factor	1	1	1	1
			Unit	ppt	ppt	ppt	ppt
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	4.16 U	4.14 U	4.44 U	4.17 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	2.5 U	2.48 U	2.67 U	1.67 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.5 U	2.48 U	2.67 U	4.17 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	4.17 U
Perfluorobutanesulfonic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U
Perfluorobutanoic acid	NS	NS	NS	3.12 J	4.14 U	2.39 J	4.17 U
Perfluorodecanesulfonic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U
Perfluorodecanoic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U
Perfluorododecanoic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U
Perfluoroheptanesulfonic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U
Perfluoroheptanoic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U
Perfluorohexanesulfonic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U
Perfluorohexanoic acid	NS	NS	NS	0.58 J	1.65 U	0.76 J	1.67 U
Perfluorononanoic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U
Perfluorooctanesulfonic acid	0.88	44	3.7	1.67 U	1.65 U	1.78 U	1.67 U
Perfluorooctanoic acid	0.66	33	1.1	1.67 U	1.65 U	1.78 U	1.67 U
Perfluoropentanoic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U
Perfluorotetradecanoic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U
Perfluorotridecanoic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U
Perfluoroundecanoic acid	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U
Perfluroroctanesulfonamide	NS	NS	NS	1.67 U	1.65 U	1.78 U	1.67 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-FB-07_20220126	L1-EP-FB-08_20211229	L1-EP-FB-09_20220104	L1-EP-FB-10_20220106
			Laboratory Sample ID	460-251394-8	460-250076-3	460-250109-3	460-250274-4
			Date Sampled	1/26/2022	12/29/2021	1/04/2022	1/06/2022
			Dilution Factor	1	1	1	1
			Unit	ppt	ppt	ppt	ppt
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	4.72 U	4.47 U	4.5 U	4.52 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	2.83 U	2.68 U	2.7 U	2.71 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.83 U	2.68 U	2.7 U	2.71 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluorobutanesulfonic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluorobutanoic acid	NS	NS	NS	4.72 U	4.47 U	4.5 U	4.52 U
Perfluorodecanesulfonic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluorodecanoic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluorododecanoic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluoroheptanesulfonic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluoroheptanoic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluorohexanesulfonic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluorohexanoic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluorononanoic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluorooctanesulfonic acid	0.88	44	3.7	1.89 U	1.79 U	1.8 U	1.81 U
Perfluorooctanoic acid	0.66	33	1.1	1.89 U	1.79 U	1.8 U	1.81 U
Perfluoropentanoic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluorotetradecanoic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluorotridecanoic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluoroundecanoic acid	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U
Perfluroroctanesulfonamide	NS	NS	NS	1.89 U	1.79 U	1.8 U	1.81 U

Table 7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-FB-12_20220113	L1-EP-FB-14_20220125	L1-EP-FB-15_20220223	L1-EP-FB-16_20220301
			Laboratory Sample ID	460-250687-3	460-251351-6	460-253150-6	460-253472-5
			Date Sampled	1/13/2022	1/25/2022	2/23/2022	3/01/2022
			Dilution Factor	1	1	1	1
			Unit	ppt	ppt	ppt	ppt
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	4.38 U	4.26 U	4.18 U	4.16 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	2.63 U	2.55 U	2.51 U	2.49 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.63 U	2.55 U	2.51 U	2.49 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluorobutanesulfonic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluorobutanoic acid	NS	NS	NS	4.38 U	4.26 U	4.18 U	4.16 U
Perfluorodecanesulfonic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluorodecanoic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluorododecanoic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluoroheptanesulfonic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluoroheptanoic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluorohexanesulfonic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluorohexanoic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	0.44 J
Perfluorononanoic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluorooctanesulfonic acid	0.88	44	3.7	1.75 U	1.7 U	1.67 U	1.66 U
Perfluorooctanoic acid	0.66	33	1.1	1.75 U	1.7 U	1.67 U	1.66 U
Perfluoropentanoic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluorotetradecanoic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluorotridecanoic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluoroundecanoic acid	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U
Perfluroroctanesulfonamide	NS	NS	NS	1.75 U	1.7 U	1.67 U	1.66 U

Table 7
Atlantic Chestnut - Lot 1
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Site-Wide Endpoint Samples
Soil Analytical Results of PFAS

			AKRF Sample ID	L1-EP-FB-17_20220309	L1-EP-FB_11_20220110
			Laboratory Sample ID	460-253994-3	460-250435-4
			Date Sampled	3/09/2022	1/10/2022
			Dilution Factor	1	1
			Unit	ppt	ppt
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS	4.42 U	4.45 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	2.65 U	2.67 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	2.65 U	2.67 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	1.77 U	1.78 U
Perfluorobutanesulfonic acid	NS	NS	NS	1.77 U	1.78 U
Perfluorobutanoic acid	NS	NS	NS	4.42 U	4.45 U
Perfluorodecanesulfonic acid	NS	NS	NS	1.77 U	1.78 U
Perfluorodecanoic acid	NS	NS	NS	1.77 U	1.78 U
Perfluorododecanoic acid	NS	NS	NS	1.77 U	1.78 U
Perfluoroheptanesulfonic acid	NS	NS	NS	1.77 U	1.78 U
Perfluoroheptanoic acid	NS	NS	NS	1.77 U	1.78 U
Perfluorohexanesulfonic acid	NS	NS	NS	1.77 U	1.78 U
Perfluorohexanoic acid	NS	NS	NS	1.77 U	1.78 U
Perfluorononanoic acid	NS	NS	NS	1.77 U	1.78 U
Perfluorooctanesulfonic acid	0.88	44	3.7	0.51 J	1.78 U
Perfluorooctanoic acid	0.66	33	1.1	1.77 U	1.78 U
Perfluoropentanoic acid	NS	NS	NS	1.77 U	1.78 U
Perfluorotetradecanoic acid	NS	NS	NS	1.77 U	1.78 U
Perfluorotridecanoic acid	NS	NS	NS	1.77 U	1.78 U
Perfluoroundecanoic acid	NS	NS	NS	1.77 U	1.78 U
Perfluroroctanesulfonamide	NS	NS	NS	1.77 U	1.78 U

Tables 4-7
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Site-Wide Endpoint Samples
Notes

DEFINITIONS

J	:	The concentration given is an estimated value.
K	:	Reported concentration value is proportional to dilution factor and may be exaggerated
L	:	Sample result is estimated and biased low.
NR	:	Not reported.
NS	:	No standard.
T	:	Indicates that a quality control parameter has exceeded laboratory limits.
U	:	The analyte was not detected at the indicated concentration.
mg/kg	:	milligrams per kilogram
µg/L	:	micrograms per liter

STANDARDS

Part 375 Soil Cleanup Objectives	:	Soil Cleanup Objectives listed in New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations [6 New York Codes, Rules and Regulations (NYCRR) Part 375].

Exceedances of Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) are highlighted in bold font
Exceedances of Part 375 Restricted Residential Soil Cleanup Objectives (RRSCOs) are highlighted in gray shading
Exceedances of Part 375 Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) are highlighted in italic font

NYSDEC Part 375 PFAS Guidance Values	:	New York State Department of Environmental Conservation (NYSDEC) Sampling, Analysis and Assessment Of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs Issued January 2021.

Exceedances of NYSDEC PFAS Unrestricted Use Guidance Values (UUGVs) are highlighted in bold font
Exceedances of NYSDEC PFAS Restricted Residential Guidance Values (RRGVs) are highlighted in gray shading
Exceedances of NYSDEC PFAS Protection of Groundwater Guidance Values (PGWGVs) are highlighted with an underline.

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-01_13_20211022	L1-AOC-02_13_20211022	L1-AOC-03_13_20211022	L1-AOC-04_13_20211022	L1-AOC-05_13_20211022
			Laboratory Sample ID	460-245759-9	460-245759-10	460-245759-11	460-245759-12	460-245759-13
			Date Sampled	10/22/2021	10/22/2021	10/22/2021	10/22/2021	10/22/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
Chloroform	0.37	49	0.37	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
Methylene Chloride	**0.05**	100	*0.05*	0.0024 U	0.0023 U	0.0024 U	0.0022 U	0.0024 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0011 U	0.0012 U	0.0041	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0012 U	0.00043 J	0.0012 U	0.022	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-06_13_20211022	L1-AOC-07_13_20211022	L1-AOC-08_13_20211022	L1-AOC-09_13_20211028	L1-AOC-10_13_20211028
			Laboratory Sample ID	460-245759-14	460-245759-15	460-245759-16	460-246140-1	460-246140-2
			Date Sampled	10/22/2021	10/22/2021	10/22/2021	10/28/2021	10/28/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0012 U	0.0012 U	0.0013 UJ	0.0012 UJ
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U
Chloroform	0.37	49	0.37	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U
Methylene Chloride	**0.05**	100	*0.05*	0.0022 U	0.0023 U	0.0025 U	0.0026 U	0.0025 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0012 U	0.0012 U	0.0011 J	0.0021
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0011 U	0.0012	0.0012 U	0.0027	0.0027
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-11_13_20211028	L1-AOC-12_13_20211028	L1-AOC-13_13_20211028	L1-AOC-14_13_20211028	L1-AOC-14X_13_20211028
			Laboratory Sample ID	460-246140-3	460-246140-4	460-246140-5	460-246140-6	460-246140-7
			Date Sampled	10/28/2021	10/28/2021	10/28/2021	10/28/2021	10/28/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0014 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0014 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0014 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 UJ	0.0012 UJ	0.0011 UJ	0.0014 UJ	0.0014 UJ
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0014 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0014 U
Chloroform	0.37	49	0.37	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0014 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0014 U
Methylene Chloride	**0.05**	100	*0.05*	0.0023 U	0.0025 U	0.0022 U	0.0028 U	0.0027 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.002	0.0023	0.00061 J	0.0014 U	0.0014 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0014 U
Trichloroethylene (TCE)	0.47	21	0.47	0.003	0.004	0.00084 J	0.0014 U	0.0014 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0014 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-15_13_20211118	L1-AOC-15X_13_20211118	L1-AOC-16_13_20211118	L1-AOC-17_13_20211118	L1-AOC-18_13_20211118
			Laboratory Sample ID	460-247588-1	460-247588-2	460-247588-3	460-247588-4	460-247588-5
			Date Sampled	11/18/2021	11/18/2021	11/18/2021	11/18/2021	11/18/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.001 U	0.0011 U	0.001 U	0.001 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.001 U	0.0011 U	0.001 U	0.001 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.001 U	0.0011 U	0.001 U	0.001 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.001 U	0.0011 U	0.001 U	0.001 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.001 U	0.0011 U	0.001 U	0.001 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.001 U	0.0011 U	0.001 U	0.001 U
Chloroform	0.37	49	0.37	0.0011 U	0.001 U	0.0011 U	0.001 U	0.001 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00038 J	0.00089 J	0.0011 U	0.001 U	0.001 U
Methylene Chloride	**0.05**	100	*0.05*	0.0021 U	0.0021 U	0.0022 U	0.002 U	0.0021 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00081 J	0.0013	0.0022	0.001 U	0.001 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.001 U	0.0011 U	0.001 U	0.001 U
Trichloroethylene (TCE)	0.47	21	0.47	0.00062 J	0.0015	0.0015	0.001 U	0.001 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.001 U	0.0011 U	0.001 U	0.001 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-19_13_20211214	L1-AOC-19X_13_20211214	L1-AOC-20_13_20211217	L1-AOC-20X_13_20211217	L1-AOC-21_6_20220121
			Laboratory Sample ID	460-249100-1	460-249100-2	460-249377-1	460-249377-2	460-251088-1
			Date Sampled	12/14/2021	12/14/2021	12/17/2021	12/17/2021	1/21/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0017 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0017 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0017 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0017 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0017 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0017 U
Chloroform	0.37	49	0.37	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0017 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0017 U
Methylene Chloride	**0.05**	100	*0.05*	0.0024 U	0.0024 U	0.0021 U	0.0022 U	0.0035 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0012 U	0.00045 J	0.0011 U	0.0047
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0017 U
Trichloroethylene (TCE)	0.47	21	0.47	0.00066 J	0.00055 J	0.001 JK	0.00062 J	0.026
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0017 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-22_6_20220121	L1-AOC-23_6_20220121	L1-AOC-24_6_20220121	L1-AOC-25_6_20220121	L1-AOC-26_6_20220121
			Laboratory Sample ID	460-251088-2	460-251088-3	460-251088-4	460-251088-5	460-251088-6
			Date Sampled	1/21/2022	1/21/2022	1/21/2022	1/21/2022	1/21/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.002 U	0.0016 U	0.0019 U	0.0016 U	0.0015 U
1,1-Dichloroethane	0.27	26	0.27	0.002 U	0.0016 U	0.0019 U	0.0016 U	0.0015 U
1,1-Dichloroethene	0.33	100	0.33	0.002 U	0.0016 U	0.0019 U	0.0016 U	0.0015 U
1,2-Dichloroethane	0.02	3.1	0.02	0.002 U	0.0016 U	0.0019 U	0.0016 U	0.0015 U
Carbon Tetrachloride	0.76	2.4	0.76	0.002 U	0.0016 U	0.0019 U	0.0016 U	0.0015 U
Chlorobenzene	1.1	100	1.1	0.002 U	0.0016 U	0.0019 U	0.0016 U	0.0015 U
Chloroform	0.37	49	0.37	0.002 U	0.0016 U	0.0019 U	0.0016 U	0.0015 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.002 U	0.0016 U	0.0019 U	0.00072 J	0.00071 J
Methylene Chloride	**0.05**	100	*0.05*	0.0032 J	0.0033 U	0.008	0.0031 J	0.0079
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0039	0.0034	0.0096	0.0031	0.0042
Trans-1,2-Dichloroethene	0.19	100	0.19	0.002 U	0.0016 U	0.0019 U	0.0016 U	0.0015 U
Trichloroethylene (TCE)	0.47	21	0.47	0.021	0.011	0.014	0.028	0.023
Vinyl Chloride	0.02	0.9	0.02	0.002 U	0.0016 U	0.0019 U	0.0016 U	0.0015 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-27_6_20220121	L1-AOC-28_6_20220121	L1-AOC-29_6_20220121	L1-AOC-30_6_20220121	L1-AOC-31_6_20220121
			Laboratory Sample ID	460-251088-7	460-251088-8	460-251088-9	460-251088-10	460-251088-11
			Date Sampled	1/21/2022	1/21/2022	1/21/2022	1/21/2022	1/21/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0014 U	0.0017 U	0.0014 U	0.0015 U	0.0017 U
1,1-Dichloroethane	0.27	26	0.27	0.0014 U	0.0017 U	0.0014 U	0.0015 U	0.0017 U
1,1-Dichloroethene	0.33	100	0.33	0.0014 U	0.0017 U	0.0014 U	0.0015 U	0.0017 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0014 U	0.0017 U	0.0014 U	0.0015 U	0.0017 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0014 U	0.0017 U	0.0014 U	0.0015 U	0.0017 U
Chlorobenzene	1.1	100	1.1	0.0014 U	0.0017 U	0.0014 U	0.0015 U	0.0017 UJ
Chloroform	0.37	49	0.37	0.0014 U	0.0017 U	0.0014 U	0.0015 U	0.0017 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0014 U	0.0017 U	0.0014 U	0.0015 U	0.0017 U
Methylene Chloride	**0.05**	100	*0.05*	0.0035	0.0074	0.0029 U	0.002 J	0.0034 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0019	0.0045	0.00097 J	0.0022	0.0028 JL
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0014 U	0.0017 U	0.0014 U	0.0015 U	0.0017 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0067	0.022	0.0031	0.0066	0.013 JK
Vinyl Chloride	0.02	0.9	0.02	0.0014 U	0.0017 U	0.0014 U	0.0015 U	0.0017 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-31X_6_20220121	L1-AOC-32_6_20220121	L1-AOC-33_15_20220107	L1-AOC-34_15_20220107	L1-AOC-35_15_20220107
			Laboratory Sample ID	460-251088-12	460-251088-13	460-250319-1	460-250319-2	460-250319-3
			Date Sampled	1/21/2022	1/21/2022	1/07/2022	1/07/2022	1/07/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U
Chloroform	0.37	49	0.37	0.0012 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00099 J	0.0013 U	0.0011 U	0.0012 U	0.0011 U
Methylene Chloride	**0.05**	100	*0.05*	0.0023 U	0.0026 U	0.0016 J	0.0017 J	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0051 JL	0.0037	0.0011 U	0.0012 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.029 JK	0.011	0.0052	0.0056	0.0005 J
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-36_15_20220107	L1-AOC-37_15_20220107	L1-AOC-38_15_20220107	L1-AOC-39_15_20220107	L1-AOC-40_15_20220107
			Laboratory Sample ID	460-250319-4	460-250319-5	460-250319-6	460-250319-7	460-250319-8
			Date Sampled	1/07/2022	1/07/2022	1/07/2022	1/07/2022	1/07/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Chloroform	0.37	49	0.37	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Methylene Chloride	**0.05**	100	*0.05*	0.0021 U	0.0024 U	0.0024 U	0.0024 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0011 U	0.01 JK	0.0033	0.0012 U	0.00049 JK
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-41_15_20220107	L1-AOC-42_15_20220107	L1-AOC-43_15_20220107	L1-AOC-44_15_20220107	L1-AOC-45_15_20220107
			Laboratory Sample ID	460-250319-9	460-250319-10	460-250319-11	460-250319-12	460-250319-13
			Date Sampled	1/07/2022	1/07/2022	1/07/2022	1/07/2022	1/07/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Chloroform	0.37	49	0.37	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Methylene Chloride	**0.05**	100	*0.05*	0.0023 U	0.0022 U	0.0023 U	0.0024 U	0.0025 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0029	0.0019	0.0011 U	0.0012 U	0.0027
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0011 UJ	0.0011 UJ	0.0012 UJ	0.0012 UJ

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-46_15_20220107	L1-AOC-47_15_20220107	L1-AOC-48_15_20220107	L1-AOC-49_15_20220107	L1-AOC-50_15_20220107
			Laboratory Sample ID	460-250319-14	460-250319-15	460-250319-16	460-250319-17	460-250319-18
			Date Sampled	1/07/2022	1/07/2022	1/07/2022	1/07/2022	1/07/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0012 U	0.0012 U	0.001 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0012 U	0.0012 U	0.001 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0012 U	0.0012 U	0.001 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0012 U	0.0012 U	0.001 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0012 U	0.0012 U	0.001 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0012 U	0.0012 U	0.001 U	0.0013 U
Chloroform	0.37	49	0.37	0.0012 U	0.0012 U	0.0012 U	0.001 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0012 U	0.0012 U	0.001 U	0.0013 U
Methylene Chloride	**0.05**	100	*0.05*	0.0024 U	0.0025 U	0.0025 U	0.0021 U	0.0025 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0012 U	0.0012 U	0.001 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0012 U	0.0012 U	0.001 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	0.00081 J	0.00052 J	0.0012 U	0.001 U	0.0013 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.001 UJ	0.0013 UJ

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-51_15_20220107	L1-AOC-52_15_20220107	L1-AOC-52X_15_20220107	L1-AOC-53_15_20220107	L1-AOC-54_15_20220107
			Laboratory Sample ID	460-250319-19	460-250319-20	460-250319-21	460-250319-24	460-250319-25
			Date Sampled	1/07/2022	1/07/2022	1/07/2022	1/07/2022	1/07/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
Chloroform	0.37	49	0.37	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.00081 J	0.00043 J	0.0012 U	0.0013 U
Methylene Chloride	**0.05**	100	*0.05*	0.0015 J	0.0024 U	0.0023 U	0.0023 U	0.0025 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0019	0.017	0.0087	0.0061	0.0053
Vinyl Chloride	0.02	0.9	0.02	0.0011 UJ	0.0012 UJ	0.0011 UJ	0.0012 UJ	0.0013 UJ

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-55_15_20220107	L1-AOC-56_15_20220107	L1-AOC-57_15_20220107	L1-AOC-58_15_20220107	L1-AOC-59_15_20220107
			Laboratory Sample ID	460-250319-26	460-250319-27	460-250319-28	460-250319-29	460-250319-30
			Date Sampled	1/07/2022	1/07/2022	1/07/2022	1/07/2022	1/07/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U
Chloroform	0.37	49	0.37	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U
Methylene Chloride	**0.05**	100	*0.05*	0.0025 U	0.0023 U	0.0025 U	0.0023 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0013 U	0.0012 U	0.00078 J	0.00056 J	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	0.0013 UJ	0.0012 UJ	0.0012 UJ	0.0011 UJ	0.0012 UJ

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-60_15_20220107	L1-AOC-61_15_20220107	L1-AOC-61X_15_20220107	L1-AOC-62_15_20220107	L1-AOC-63_15_20220107
			Laboratory Sample ID	460-250319-31	460-250319-32	460-250319-33	460-250319-34	460-250319-35
			Date Sampled	1/07/2022	1/07/2022	1/07/2022	1/07/2022	1/07/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Chloroform	0.37	49	0.37	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Methylene Chloride	**0.05**	100	*0.05*	0.0024 U	0.0024 U	0.0023 U	0.0023 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.00073 J	0.00055 J	0.0017 J	0.00067 J	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-64_15_20220107	L1-AOC-65_15_20220107	L1-AOC-66_15_20220107	L1-AOC-67_15_20220107	L1-AOC-68_15_20220107
			Laboratory Sample ID	460-250319-36	460-250319-37	460-250319-38	460-250319-42	460-250319-39
			Date Sampled	1/07/2022	1/07/2022	1/07/2022	1/07/2022	1/07/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0013 U	0.0012 U	0.001 U	0.0012 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0013 U	0.0012 U	0.001 U	0.0012 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0013 U	0.0012 U	0.001 U	0.0012 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0013 U	0.0012 U	0.001 U	0.0012 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0013 U	0.0012 U	0.001 U	0.0012 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0013 U	0.0012 U	0.001 U	0.0012 U	0.0012 U
Chloroform	0.37	49	0.37	0.0013 U	0.0012 U	0.001 U	0.0012 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0013 U	0.0012 U	0.001 U	0.0012 U	0.0012 U
Methylene Chloride	**0.05**	100	*0.05*	0.0025 U	0.0025 U	0.0021 U	0.0024 U	0.0024 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0013 U	0.0012 U	0.001 U	0.0012 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0013 U	0.0012 U	0.001 U	0.0012 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0012 J	0.0012 U	0.0033	0.007	0.00042 J
Vinyl Chloride	0.02	0.9	0.02	0.0013 U	0.0012 U	0.001 U	0.0012 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-69_15_20220110	L1-AOC-70_15_20220110	L1-AOC-71_15_20220110	L1-AOC-72_15_20220110	L1-AOC-72X_15_20220110
			Laboratory Sample ID	460-250414-1	460-250414-2	460-250414-3	460-250414-4	460-250414-5
			Date Sampled	1/10/2022	1/10/2022	1/10/2022	1/10/2022	1/10/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0014 U	0.0015 U	0.0014 U	0.0012 U	0.00099 U
1,1-Dichloroethane	0.27	26	0.27	0.0014 U	0.0015 U	0.0014 U	0.0012 U	0.00099 U
1,1-Dichloroethene	0.33	100	0.33	0.0014 U	0.0015 U	0.0014 U	0.0012 U	0.00099 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0014 U	0.0015 U	0.0014 U	0.0012 U	0.00099 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0014 U	0.0015 U	0.0014 U	0.0012 U	0.00099 U
Chlorobenzene	1.1	100	1.1	0.0014 U	0.0015 U	0.0014 U	0.0012 U	0.00099 U
Chloroform	0.37	49	0.37	0.0014 U	0.0015 U	0.0014 U	0.0012 U	0.00099 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0014 U	0.0015 U	0.0014 U	0.0012 U	0.00099 U
Methylene Chloride	**0.05**	100	*0.05*	0.0028 U	0.0029 U	0.0028 U	0.0024 U	0.002 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0014 U	0.0015 U	0.0014 U	0.0012 U	0.0007 J
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0014 U	0.0015 UJ	0.0014 UJ	0.0012 UJ	0.00099 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0014 U	0.0015 U	0.0014 UJ	0.0012 U	0.023 J
Vinyl Chloride	0.02	0.9	0.02	0.0014 U	0.0015 U	0.0014 U	0.0012 U	0.00099 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-73_15_20220110	L1-AOC-74_15_20220112	L1-AOC-75_15_20220112	L1-AOC-75X_15_20220112	L1-AOC-76_15_20220112
			Laboratory Sample ID	460-250414-6	460-250569-1	460-250569-2	460-250569-3	460-250569-4
			Date Sampled	1/10/2022	1/12/2022	1/12/2022	1/12/2022	1/12/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Chloroform	0.37	49	0.37	0.0011 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0016 U	0.0011 U	0.0011 U	0.00055 J
Methylene Chloride	**0.05**	100	*0.05*	0.0023 U	0.0031 U	0.0023 U	0.0023 U	0.0022 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0016 U	0.0011 U	0.0011 U	0.002
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0011 U	0.029	0.0029 J	0.027 J	0.11
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-77_15_20220112	L1-AOC-78_15_20220112	L1-AOC-79_15_20220112	L1-AOC-80_15_20220112	L1-AOC-81_15_20220112
			Laboratory Sample ID	460-250569-5	460-250569-8	460-250569-9	460-250569-10	460-250569-11
			Date Sampled	1/12/2022	1/12/2022	1/12/2022	1/12/2022	1/12/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Chloroform	0.37	49	0.37	0.0012 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Methylene Chloride	**0.05**	100	*0.05*	0.0025 U	0.0025 U	0.0023 U	0.0022 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0011 J	0.0054	0.0011	0.0011 U	0.0006 J
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0013 U	0.0011 U	0.0011 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-82_15_20220112	L1-AOC-83_15_20220112	L1-AOC-84_9_20220112	L1-AOC-85_9_20220112	L1-AOC-86_9_20220112
			Laboratory Sample ID	460-250569-12	460-250569-13	460-250569-14	460-250569-15	460-250569-16
			Date Sampled	1/12/2022	1/12/2022	1/12/2022	1/12/2022	1/12/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0013 U
Chloroform	0.37	49	0.37	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0013 U
Methylene Chloride	**0.05**	100	*0.05*	0.0024 U	0.0023 U	0.0023 U	0.0021 U	0.0025 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0011 U	0.00044 J	0.0011 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0012 U	0.0025	0.0071	0.0015	0.0013 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0013 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-87_9_20220112	L1-AOC-88_7_20220113	L1-AOC-89_7_20220113	L1-AOC-89X_7_20220113	L1-AOC-90_7_20220113
			Laboratory Sample ID	460-250569-17	460-250679-1	460-250679-2	460-250679-3	460-250679-4
			Date Sampled	1/12/2022	1/13/2022	1/13/2022	1/13/2022	1/13/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0013 U
Chloroform	0.37	49	0.37	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0012 U	0.0045	0.0038	0.0013 U
Methylene Chloride	**0.05**	100	*0.05*	0.0024 U	0.0024 U	0.0071 U	0.014 U	0.0025 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0012 U	0.014	0.012	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0012 U	0.00041 J	0.0012 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	0.001 J	0.0014	0.13 J	0.058 J	0.0013 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0013 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-91_8_20220113	L1-AOC-92_10_20220113	L1-AOC-93_8_20220113	L1-AOC-94_8_20220113	L1-AOC-95_8_20220113
			Laboratory Sample ID	460-250679-7	460-250679-8	460-250679-9	460-250679-10	460-250679-11
			Date Sampled	1/13/2022	1/13/2022	1/13/2022	1/13/2022	1/13/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0015 U	0.0013 U	0.0012 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0015 U	0.0013 U	0.0012 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0015 U	0.0013 U	0.0012 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0015 U	0.0013 U	0.0012 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0015 U	0.0013 U	0.0012 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0015 U	0.0013 U	0.0012 U	0.0012 U
Chloroform	0.37	49	0.37	0.0012 U	0.0015 U	0.0013 U	0.0012 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00052 J	0.0015 U	0.0013 U	0.0012 U	0.0012 U
Methylene Chloride	**0.05**	100	*0.05*	0.0034 U	0.003 U	0.0035 U	0.0035 U	0.0047 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0068	0.0058	0.0035	0.001 J	0.0015
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0015 U	0.0013 U	0.0012 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0025	0.0024	0.0032	0.0023	0.0032
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0015 U	0.0013 U	0.0012 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-96_8_20220113	L1-AOC-97_8_20220113	L1-AOC-98_8_20220113	L1-AOC-99_8_20220113	L1-AOC-100_8_20220113
			Laboratory Sample ID	460-250679-12	460-250679-13	460-250679-14	460-250679-15	460-250679-16
			Date Sampled	1/13/2022	1/13/2022	1/13/2022	1/13/2022	1/13/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
Chloroform	0.37	49	0.37	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00065 J	0.0011 U	0.0013 U	0.0013	0.0012 U
Methylene Chloride	**0.05**	100	*0.05*	0.0066 U	0.0035 U	0.0069 U	0.011 U	0.0071 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0051	0.00048 J	0.0036	0.0084	0.0019
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0045	0.0017	0.009	0.0079	0.0035
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-101_8_20220113	L1-AOC-102_6_20220121	L1-AOC-103_6_20220121	L1-AOC-104_15_20220124	L1-AOC-105_15_20220124
			Laboratory Sample ID	460-250679-17	460-251088-14	460-251088-15	460-251185-1	460-251185-2
			Date Sampled	1/13/2022	1/21/2022	1/21/2022	1/24/2022	1/24/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.001 U	0.0012 U	0.0012 U	0.0014 U	0.0014 U
1,1-Dichloroethane	0.27	26	0.27	0.001 U	0.0012 U	0.0012 U	0.0014 U	0.0014 U
1,1-Dichloroethene	0.33	100	0.33	0.001 U	0.0012 U	0.0012 U	0.0014 U	0.0014 U
1,2-Dichloroethane	0.02	3.1	0.02	0.001 U	0.0012 U	0.0012 U	0.0014 U	0.0014 U
Carbon Tetrachloride	0.76	2.4	0.76	0.001 U	0.0012 U	0.0012 U	0.0014 U	0.0014 U
Chlorobenzene	1.1	100	1.1	0.001 U	0.0012 U	0.0012 U	0.0014 U	0.0014 U
Chloroform	0.37	49	0.37	0.001 U	0.0012 U	0.0012 U	0.0014 U	0.0014 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00038 J	0.00073 J	0.0014	0.0014 U	0.0014 U
Methylene Chloride	**0.05**	100	*0.05*	0.008 U	0.0023 U	0.0025 U	0.0031	0.0028 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0045	0.0043	0.0043	0.0014 U	0.0014 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.001 U	0.0012 U	0.0012 U	0.0014 U	0.0014 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0039	0.018	0.027	0.019 JK	0.0014 U
Vinyl Chloride	0.02	0.9	0.02	0.001 U	0.0012 U	0.0012 U	0.0014 UJ	0.0014 UJ

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-105X_15_20220124	L1-AOC-106_15_20220124	L1-AOC-107_15_20220124	L1-AOC-108_6_20220124	L1-AOC-109_6_20220124
			Laboratory Sample ID	460-251185-3	460-251185-4	460-251185-5	460-251185-8	460-251185-9
			Date Sampled	1/24/2022	1/24/2022	1/24/2022	1/24/2022	1/24/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0013 U	0.0014 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0013 U	0.0014 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0013 U	0.0014 U	0.0012 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0013 U	0.0014 U	0.0012 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0013 U	0.0014 U	0.0012 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0013 U	0.0014 U	0.0012 U	0.0011 U
Chloroform	0.37	49	0.37	0.0012 U	0.0013 U	0.0014 U	0.0012 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0013 U	0.0014 U	0.0012 U	0.0011
Methylene Chloride	**0.05**	100	*0.05*	0.0023 U	0.0027 U	0.0028 U	0.0024 U	0.0037
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0013 U	0.0014 U	0.0026	0.0019
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0013 U	0.0014 U	0.0012 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0012	0.0011 J	0.0014 U	0.008	0.0045
Vinyl Chloride	0.02	0.9	0.02	0.0012 UJ	0.0013 UJ	0.0014 UJ	0.0012 UJ	0.0011 UJ

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-110_6_20220124	L1-AOC-111_6_20220124	L1-AOC-112_6_20220124	L1-AOC-113_6_20220124	L1-AOC-114_6_20220124
			Laboratory Sample ID	460-251185-10	460-251185-11	460-251185-12	460-251185-13	460-251185-14
			Date Sampled	1/24/2022	1/24/2022	1/24/2022	1/24/2022	1/24/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0012 U	0.00098 U	0.0011 U	0.0015 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0012 U	0.00098 U	0.0011 U	0.0015 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0012 U	0.00098 U	0.0011 U	0.0015 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0012 U	0.00098 U	0.0011 U	0.0015 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0012 U	0.00098 U	0.0011 U	0.0015 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0012 U	0.00098 U	0.0011 U	0.0015 U
Chloroform	0.37	49	0.37	0.0012 U	0.0012 U	0.00098 U	0.0011 U	0.0015 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.00087 J	0.00048 J	0.00071 J	0.0015 U
Methylene Chloride	**0.05**	100	*0.05*	0.0034	0.0025 U	0.0029	0.0021 U	0.0022 JK
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00043 J	0.0029	0.003	0.0048	0.003
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0012 U	0.00098 U	0.0011 U	0.0015 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0017	0.022	0.013	0.021	0.015
Vinyl Chloride	0.02	0.9	0.02	0.0012 UJ	0.0012 UJ	0.00098 UJ	0.0011 UJ	0.0015 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-115_6_20220124	L1-AOC-116_6_20220124	L1-AOC-117_6_20220124	L1-AOC-118_6_20220124	L1-AOC-119_6_20220124
			Laboratory Sample ID	460-251185-15	460-251185-16	460-251185-17	460-251185-18	460-251185-19
			Date Sampled	1/24/2022	1/24/2022	1/24/2022	1/24/2022	1/24/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0013 U
Chloroform	0.37	49	0.37	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00065 J	0.00085 J	0.001 U	0.0013	0.0005 J
Methylene Chloride	**0.05**	100	*0.05*	0.0038	0.0035	0.0021 U	0.0056	0.0087
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0033	0.0057	0.0016	0.0075	0.0035
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	0.022	0.022	0.0067	0.034	0.016
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0013 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-120_6_20220125	L1-AOC-121_6_20220125	L1-AOC-122_6_20220125	L1-AOC-123_6_20220125	L1-AOC-124_6_20220125
			Laboratory Sample ID	460-251254-1	460-251254-2	460-251254-3	460-251254-4	460-251254-5
			Date Sampled	1/25/2022	1/25/2022	1/25/2022	1/25/2022	1/25/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Chloroform	0.37	49	0.37	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Methylene Chloride	**0.05**	100	*0.05*	0.0037 U	0.0022 U	0.0037 U	0.0026 U	0.0021 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00057 J	0.00083 J	0.0021	0.00094 J	0.00059 J
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0026	0.0032	0.0065	0.003	0.0046
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-125_6_20220125	L1-AOC-126_6_20220125	L1-AOC-127_6_20220125	L1-AOC-128_6_20220125	L1-AOC-128X_6_20220125
			Laboratory Sample ID	460-251254-6	460-251254-7	460-251254-8	460-251254-9	460-251254-10
			Date Sampled	1/25/2022	1/25/2022	1/25/2022	1/25/2022	1/25/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.001 U	0.0012 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.001 U	0.0012 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.001 U	0.00033 J	0.0012 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.001 U	0.0012 U	0.0012 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.001 U	0.0012 U	0.0012 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.001 U	0.0012 U	0.0012 U	0.0011 U
Chloroform	0.37	49	0.37	0.0011 U	0.001 U	0.0012 U	0.0012 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.001 U	0.0047	0.0012 U	0.0011 U
Methylene Chloride	**0.05**	100	*0.05*	0.0022 U	0.002 U	0.0054 U	0.0024 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012	0.00067 J	0.0065	0.0012 U	0.0006 J
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.001 U	0.0004 J	0.0012 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.005	0.0048	0.068	0.0021 J	0.0048 J
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.001 U	0.0012 U	0.0012 U	0.0011 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-129_6_20220125	L1-AOC-130_6_20220214	L1-AOC-131_6_20220214	L1-AOC-131X_6_20220214	L1-AOC-132_6_20220214
			Laboratory Sample ID	460-251254-11	460-252506-1	460-252506-2	460-252506-3	460-252506-4
			Date Sampled	1/25/2022	2/14/2022	2/14/2022	2/14/2022	2/14/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0013 U	0.0015 U	0.0013 U	0.0016 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0013 U	0.0015 U	0.0013 U	0.0016 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0013 U	0.0015 U	0.0013 U	0.0016 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0013 U	0.0015 U	0.0013 U	0.0016 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0013 U	0.0015 U	0.0013 U	0.0016 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.0015 U	0.0013 U	0.0016 U
Chloroform	0.37	49	0.37	0.0011 U	0.0013 U	0.0015 U	0.0013 U	0.0016 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00055 J	0.0013 U	0.0015 U	0.0013 U	0.00091 J
Methylene Chloride	**0.05**	100	*0.05*	0.0021 U	0.0025 U	0.0029 U	0.0025 U	0.0032 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011	0.0033	0.0011 J	0.00076 J	0.013
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0013 U	0.0015 U	0.0013 U	0.0016 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0089 JK	0.0037	0.0023	0.0018	0.0063
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0013 U	0.0015 U	0.0013 U	0.0016 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-133_6_20220214	L1-AOC-134_6_20220214	L1-AOC-135_6_20220214	L1-AOC-136_6_20220214	L1-AOC-137_6_20220214
			Laboratory Sample ID	460-252506-5	460-252506-6	460-252506-7	460-252506-8	460-252506-9
			Date Sampled	2/14/2022	2/14/2022	2/14/2022	2/14/2022	2/14/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0014 U	0.0014 U	0.0015 U	0.0016 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0014 U	0.0014 U	0.0015 U	0.0016 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0014 U	0.0014 U	0.0015 U	0.0016 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0014 U	0.0014 U	0.0015 U	0.0016 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0014 U	0.0014 U	0.0015 U	0.0016 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0014 U	0.0014 U	0.0015 U	0.0016 U	0.0012 U
Chloroform	0.37	49	0.37	0.0014 U	0.0014 U	0.0015 U	0.0016 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.002	0.0014 U	0.0033	0.006	0.0012 U
Methylene Chloride	**0.05**	100	*0.05*	0.0027 U	0.0027 U	0.0031 U	0.0032 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0088 JK	0.0027	0.029	0.067	0.002
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0014 U	0.0014 U	0.0015 U	0.0016 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.052	0.0035	0.0074	0.03	0.0028
Vinyl Chloride	0.02	0.9	0.02	0.0014 U	0.0014 U	0.0015 U	0.0016 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-138_6_20220214	L1-AOC-139_6_20220214	L1-AOC-140_6_20220214	L1-AOC-141_6_20220214	L1-AOC-142_6_20220214
			Laboratory Sample ID	460-252506-10	460-252506-11	460-252506-12	460-252506-13	460-252506-14
			Date Sampled	2/14/2022	2/14/2022	2/14/2022	2/14/2022	2/14/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0013 U	0.0013 U	0.0014 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0013 U	0.0013 U	0.0014 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0013 U	0.0013 U	0.0014 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0013 U	0.0013 U	0.0014 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0013 U	0.0013 U	0.0014 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.0013 U	0.0014 U	0.0012 U
Chloroform	0.37	49	0.37	0.0011 U	0.0013 U	0.0013 U	0.0014 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0031	0.0013 U	0.0014 U	0.00058 J
Methylene Chloride	**0.05**	100	*0.05*	0.0023 U	0.0026 U	0.0025 U	0.0028 U	0.0024 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0036	0.025	0.00098 J	0.0021	0.0043
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0013 U	0.0013 U	0.0014 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0034	0.025	0.0027	0.0034	0.022
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0013 U	0.0013 U	0.0014 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-143_6_20220214	L1-AOC-144_6_20220214	L1-AOC-145_7_20220214	L1-AOC-146_4.5_20220222	L1-AOC-146X_4.5_20220222
			Laboratory Sample ID	460-252506-15	460-252506-16	460-252506-17	460-253004-1	460-253004-2
			Date Sampled	2/14/2022	2/14/2022	2/14/2022	2/22/2022	2/22/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0013 U	0.00095 U	0.0012 U	0.0014 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0013 U	0.00095 U	0.0012 U	0.0014 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0013 U	0.00095 U	0.0012 U	0.0014 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0013 U	0.00095 U	0.0012 U	0.0014 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0013 U	0.00095 U	0.0012 U	0.0014 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.00095 U	0.0012 U	0.0014 U
Chloroform	0.37	49	0.37	0.0011 U	0.0013 U	0.00095 U	0.0012 U	0.0014 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0022 JK	0.0013 U	0.00095 U	0.0012 U	0.0014 U
Methylene Chloride	**0.05**	100	*0.05*	0.0022 U	0.0027 U	0.0021 U	0.0024 U	0.0027 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0045	0.0034	0.00095 U	0.0021	0.0021
Trans-1,2-Dichloroethene	0.19	100	0.19	0.00046 JK	0.0013 U	0.00095 U	0.0012 U	0.0014 U
Trichloroethylene (TCE)	0.47	21	0.47	0.14	0.0023	0.005	0.0049 JK	0.0063
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0013 U	0.00095 U	0.0012 U	0.0014 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-147_4.5_20220222	L1-AOC-148_4.5_20220222	L1-AOC-149_4.5_20220222	L1-AOC-150_4.5_20220222	L1-AOC-151_4.5_20220222
			Laboratory Sample ID	460-253004-3	460-253004-4	460-253004-5	460-253004-6	460-253004-7
			Date Sampled	2/22/2022	2/22/2022	2/22/2022	2/22/2022	2/22/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0013 U	0.0012 U	0.00098 U	0.0012 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0013 U	0.0012 U	0.00098 U	0.0012 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0013 U	0.0012 U	0.00098 U	0.0012 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0013 U	0.0012 U	0.00098 U	0.0012 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0013 U	0.0012 U	0.00098 U	0.0012 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0013 U	0.0012 U	0.00098 U	0.0012 U	0.0012 U
Chloroform	0.37	49	0.37	0.0013 U	0.0012 U	0.00098 U	0.0012 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0013 U	0.0012 U	0.0005 J	0.0007 J	0.00058 J
Methylene Chloride	**0.05**	100	*0.05*	0.0025 U	0.0024 U	0.002 U	0.0024 U	0.0024 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.004	0.0012 U	0.0014	0.0025	0.0029
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0013 U	0.0012 U	0.00098 U	0.0012 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0047	0.0012 U	0.016	0.014	0.035
Vinyl Chloride	0.02	0.9	0.02	0.0013 U	0.0012 U	0.00098 U	0.0012 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-152_4.5_20220222	L1-AOC-153_4.5_20220222	L1-AOC-154_4.5_20220222	L1-AOC-155_4.5_20220222	L1-AOC-156_4.5_20220222
			Laboratory Sample ID	460-253004-8	460-253004-9	460-253004-10	460-253004-11	460-253004-12
			Date Sampled	2/22/2022	2/22/2022	2/22/2022	2/22/2022	2/22/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
Chloroform	0.37	49	0.37	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00082 J	0.00086 J	0.0006 J	0.0012 U	0.00083 J
Methylene Chloride	**0.05**	100	*0.05*	0.0022 U	0.0025 U	0.0023 U	0.0023 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.002	0.0033	0.0037	0.0012 U	0.00055 J
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.028	0.033	0.011	0.00063 J	0.0006 J
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-157_4.5_20220222	L1-AOC-158_5_20220222	L1-AOC-159_5_20220222	L1-AOC-160_5_20220222	L1-AOC-161_5_20220222
			Laboratory Sample ID	460-253004-13	460-253004-16	460-253004-17	460-253004-18	460-253004-19
			Date Sampled	2/22/2022	2/22/2022	2/22/2022	2/22/2022	2/22/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.001 U	0.001 U	0.0011 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.001 U	0.001 U	0.0011 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.001 U	0.001 U	0.0011 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.001 U	0.001 U	0.0011 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.001 U	0.001 U	0.0011 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.001 U	0.001 U	0.0011 U	0.0012 U
Chloroform	0.37	49	0.37	0.0012 U	0.001 U	0.001 U	0.0011 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012	0.00073 J	0.00055 J	0.00093 J	0.00065 J
Methylene Chloride	**0.05**	100	*0.05*	0.0024 U	0.002 U	0.0021 U	0.0022 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0027	0.0035	0.0029	0.0042	0.0048
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.001 U	0.001 U	0.0011 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0047	0.0076	0.0083	0.012	0.011
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.001 U	0.001 U	0.0011 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-162_5_20220222	L1-AOC-163_5_20220222	L1-AOC-164_5_20220223	L1-AOC-164X_5_20220223	L1-AOC-165_5_20220223
			Laboratory Sample ID	460-253004-20	460-253004-21	460-253120-1	460-253120-2	460-253120-3
			Date Sampled	2/22/2022	2/22/2022	2/23/2022	2/23/2022	2/23/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0012 U	0.0013 U	0.0011 U	0.00099 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0012 U	0.0013 U	0.0011 U	0.00099 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0012 U	0.0013 U	0.0011 U	0.00099 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0012 U	0.0013 U	0.0011 U	0.00099 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0012 U	0.0013 U	0.0011 U	0.00099 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0013 U	0.0011 U	0.00099 U
Chloroform	0.37	49	0.37	0.0011 U	0.0012 U	0.0013 U	0.0011 U	0.00099 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012	0.0028	0.0023 J	0.00095 J	0.00083 J
Methylene Chloride	**0.05**	100	*0.05*	0.0021 U	0.0024 U	0.0028	0.0022 U	0.002 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0055	0.011	0.0026 JL	0.0022 JL	0.0023 JK
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0012 U	0.0013 U	0.0011 U	0.00099 U
Trichloroethylene (TCE)	0.47	21	0.47	0.022	0.094 JL	0.022	0.017 JL	0.011
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0012 U	0.0013 U	0.0011 U	0.00099 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-166_5_20220223	L1-AOC-167_5_20220223	L1-AOC-168_5_20220223	L1-AOC-169_5_20220223	L1-AOC-170_5_20220223
			Laboratory Sample ID	460-253120-6	460-253120-7	460-253120-8	460-253120-9	460-253120-10
			Date Sampled	2/23/2022	2/23/2022	2/23/2022	2/23/2022	2/23/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.001 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.001 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.001 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.001 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.001 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.001 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Chloroform	0.37	49	0.37	0.001 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00036 J	0.0042	0.0012 U	0.001 J	0.0028
Methylene Chloride	**0.05**	100	*0.05*	0.002 U	0.0021 U	0.0024 U	0.0022 U	0.0022 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00083 JK	0.0048	0.0012 UJ	0.00073 JK	0.0042
Trans-1,2-Dichloroethene	0.19	100	0.19	0.001 U	0.00029 J	0.0012 U	0.0011 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0049	0.032	0.00047 J	0.0033	0.038
Vinyl Chloride	0.02	0.9	0.02	0.001 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-171_5_20220223	L1-AOC-172_5_20220223	L1-AOC-173_5_20220223	L1-AOC-174_5_20220223	L1-AOC-175_5_20220223
			Laboratory Sample ID	460-253120-11	460-253120-12	460-253120-13	460-253120-14	460-253120-15
			Date Sampled	2/23/2022	2/23/2022	2/23/2022	2/23/2022	2/23/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.001 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.001 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.001 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.001 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.001 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.001 U
Chloroform	0.37	49	0.37	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.001 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0024	0.00094 J	0.00045 J	0.0065	0.00097 J
Methylene Chloride	**0.05**	100	*0.05*	0.0023 U	0.0022	0.0022 U	0.004	0.0021 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0021	0.0011	0.0015 JK	0.013	0.0013 JK
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.001 U
Trichloroethylene (TCE)	0.47	21	0.47	0.014	0.018	0.007	0.04	0.017
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.001 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-176_6_20220223	L1-AOC-177_6_20220223	L1-AOC-178_6_20220223	L1-AOC-179_6_20220223	L1-AOC-180_4_20220301
			Laboratory Sample ID	460-253120-16	460-253120-17	460-253120-18	460-253120-19	460-253437-1
			Date Sampled	2/23/2022	2/23/2022	2/23/2022	2/23/2022	3/01/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.00028 J	0.0011 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U
Chloroform	0.37	49	0.37	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0071	0.0038	0.0048	0.0011 U
Methylene Chloride	**0.05**	100	*0.05*	0.0017 J	0.0038	0.0038	0.0032	0.0022 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0035	0.0045	0.0039	0.0018	0.0015
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.00043 J	0.0011 U	0.00036 J	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.003	0.045	0.03	0.0046	0.022
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 UJ

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-181_4_20220301	L1-AOC-181X_4_20220301	L1-AOC-182_4_20220301	L1-AOC-183_4_20220301	L1-AOC-184_4_20220301
			Laboratory Sample ID	460-253437-2	460-253437-3	460-253437-4	460-253437-5	460-253437-6
			Date Sampled	3/01/2022	3/01/2022	3/01/2022	3/01/2022	3/01/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 UJ	0.0012 UJ	0.0011 U	0.0012 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0012 UJ	0.0012 UJ	0.0011 U	0.0012 U	0.0011 U
Chloroform	0.37	49	0.37	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00068 J	0.00088 J	0.00046 J	0.00047 J	0.00074 J
Methylene Chloride	**0.05**	100	*0.05*	0.0023 U	0.0024 U	0.0022 U	0.0024 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0038	0.0053	0.0036	0.0051	0.0034
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.034 JK	0.036 JK	0.028	0.0059	0.027
Vinyl Chloride	0.02	0.9	0.02	0.0012 UJ	0.0012 UJ	0.0011 UJ	0.0012 UJ	0.0011 UJ

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-185_4_20220301	L1-AOC-186_4_20220301	L1-AOC-187_4_20220301	L1-AOC-188_4_20220301	L1-AOC-189_4_20220301
			Laboratory Sample ID	460-253437-7	460-253437-8	460-253437-9	460-253437-10	460-253437-11
			Date Sampled	3/01/2022	3/01/2022	3/01/2022	3/01/2022	3/01/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.001 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.001 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.001 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.001 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.001 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.001 U
Chloroform	0.37	49	0.37	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.001 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00043 J	0.0013	0.0014	0.00058 J	0.00044 J
Methylene Chloride	**0.05**	100	*0.05*	0.0024 U	0.0023 U	0.0022 U	0.0023 UJ	0.0021 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0017	0.0046	0.013	0.0026	0.0032
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.001 U
Trichloroethylene (TCE)	0.47	21	0.47	0.019	0.027	0.033	0.026	0.041
Vinyl Chloride	0.02	0.9	0.02	0.0012 UJ	0.0011 UJ	0.0011 UJ	0.0012 U	0.001 UJ

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-190_4_20220301	L1-AOC-191_4_20220301	L1-AOC-192_4_20220301	L1-AOC-193_4_20220301	L1-AOC-194_4_20220301
			Laboratory Sample ID	460-253437-12	460-253437-13	460-253437-14	460-253437-15	460-253437-16
			Date Sampled	3/01/2022	3/01/2022	3/01/2022	3/01/2022	3/01/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0011 U	0.0011 U	0.0013 U	0.001 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0011 U	0.0011 U	0.0013 U	0.001 U
1,1-Dichloroethene	0.33	100	0.33	0.00042 J	0.0011 U	0.0011 U	0.0013 U	0.001 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0011 U	0.0011 U	0.0013 U	0.001 U
Carbon Tetrachloride	0.76	2.4	0.76	0.00095 J	0.00046 J	0.00046 J	0.0013 U	0.001 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0011 U	0.0011 U	0.0013 U	0.001 U
Chloroform	0.37	49	0.37	0.0012	0.0011 U	0.0011 U	0.0013 U	0.001 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0085	0.0013	0.0021	0.00069 J	0.0023
Methylene Chloride	**0.05**	100	*0.05*	0.0022 U	0.0022 U	0.0022 U	0.0025 U	0.0021 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0049	0.0045	0.0086	0.0014	0.011
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012	0.0011 U	0.00035 J	0.0013 U	0.00045 J
Trichloroethylene (TCE)	0.47	21	0.47	0.12	0.079	0.068	0.02	0.054
Vinyl Chloride	0.02	0.9	0.02	0.0011 UJ	0.0011 U	0.0011 U	0.0013 U	0.001 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-195_5_20220301	L1-AOC-196_5_20220301	L1-AOC-197_5_20220301	L1-AOC-198_5_20220301	L1-AOC-199_5_20220302
			Laboratory Sample ID	460-253437-19	460-253437-20	460-253437-21	460-253437-22	460-253507-1
			Date Sampled	3/01/2022	3/01/2022	3/01/2022	3/01/2022	3/02/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0012 U
Chloroform	0.37	49	0.37	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0031	0.0039	0.0062	0.0088	0.0012 U
Methylene Chloride	**0.05**	100	*0.05*	0.0025 U	0.0025 U	0.0023 U	0.0025 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0042	0.0089	0.014	0.0067	0.0014
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.029	0.033	0.058	0.04	0.00072 J
Vinyl Chloride	0.02	0.9	0.02	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-199X_5_20220302	L1-AOC-200_5_20220302	L1-AOC-201_5_20220302	L1-AOC-202_5_20220302	L1-AOC-203_5_20220302
			Laboratory Sample ID	460-253507-2	460-253507-3	460-253507-4	460-253507-5	460-253507-6
			Date Sampled	3/02/2022	3/02/2022	3/02/2022	3/02/2022	3/02/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
Chloroform	0.37	49	0.37	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0012 U	0.0005 J	0.0012 U	0.00068 J
Methylene Chloride	**0.05**	100	*0.05*	0.0023 U	0.0023 U	0.0022 U	0.0024 U	0.0025 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0023	0.0042 JK	0.0042	0.0039 JK	0.007 JK
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0015	0.0024	0.0037	0.0022	0.017
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-204_5_20220302	L1-AOC-205_8_20220309	L1-AOC-205X_8_20220309	L1-AOC-206_8_20220309	L1-AOC-207_8_20220309
			Laboratory Sample ID	460-253507-7	460-253965-1	460-253965-2	460-253965-3	460-253965-4
			Date Sampled	3/02/2022	3/09/2022	3/09/2022	3/09/2022	3/09/2022
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0012 U
Chloroform	0.37	49	0.37	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00062 J	0.0012 U	0.0013 U	0.0013 U	0.0012 U
Methylene Chloride	**0.05**	100	*0.05*	0.0024 U	0.0025 U	0.0026 U	0.0025 U	0.0024 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0067 JK	0.0012 U	0.0013 U	0.0013 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.015	0.0012 U	0.0013 U	0.00077 J	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0012 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-208_8_20220309	L1-AOC-209_8_20220309	L1-AOC-210_8_20220309	L1-AOC-211_8_20220309	L1-AOC-FB-01_20211028
			Laboratory Sample ID	460-253965-5	460-253965-6	460-253965-7	460-253965-8	460-246140-8
			Date Sampled	3/09/2022	3/09/2022	3/09/2022	3/09/2022	10/28/2021
			Dilution Factor	1	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.0012 U	0.0012 U	0.0012 U	1 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0012 U	0.0012 U	0.0012 U	1 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0012 U	0.0012 U	0.0012 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0012 U	0.0012 U	0.0012 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0012 U	0.0012 U	0.0012 U	1 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0012 U	0.0012 U	0.0012 U	1 U
Chloroform	0.37	49	0.37	0.0012 U	0.0012 U	0.0012 U	0.0012 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0012 U	0.0012 U	0.0012 U	1 U
Methylene Chloride	**0.05**	100	*0.05*	0.0025 U	0.0023 U	0.0024 U	0.0023 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0012 U	0.0012 U	0.0012 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0012 U	0.0012 U	0.0012 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0012 U	0.0012 U	0.0012 U	0.0025	1 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0012 U	0.0012 U	0.0012 U	1 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-FB-02_20211118	L1-AOC-FB-03_20211214	L1-AOC-FB-04_20211217	L1-AOC-FB-05_20220121	L1-AOC-FB-06_20220107
			Laboratory Sample ID	460-247588-6	460-249100-3	460-249377-3	460-251088-16	460-250319-40
			Date Sampled	11/18/2021	12/14/2021	12/17/2021	1/21/2022	1/07/2022
			Dilution Factor	1	1	1	1	1
			Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	**0.05**	100	*0.05*	***0.84 J***	***0.68 J***	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U	1 U	1 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-FB-07_20220107	L1-AOC-FB-07_20220110	L1-AOC-FB-08_20220112	L1-AOC-FB-09_20220113	L1-AOC-FB-10_20220124
			Laboratory Sample ID	460-250319-22	460-250414-7	460-250569-6	460-250679-5	460-251185-6
			Date Sampled	1/07/2022	1/10/2022	1/12/2022	1/13/2022	1/24/2022
			Dilution Factor	1	1	1	1	1
			Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U	1 U	1 UJ
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	**0.05**	100	*0.05*	1 U	1 U	***0.33 J***	***0.65 J***	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U	1 U	1 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-FB-11_20220125	L1-AOC-FB-12_20220214	L1-AOC-FB-13_20220222	L1-AOC-FB-14_20220223	L1-AOC-FB-15_20220301
			Laboratory Sample ID	460-251254-12	460-252506-18	460-253004-14	460-253120-4	460-253437-17
			Date Sampled	1/25/2022	2/14/2022	2/22/2022	2/23/2022	3/01/2022
			Dilution Factor	1	1	1	1	1
			Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	**0.05**	100	*0.05*	1 U	1 U	***2.6***	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U	1 U	1 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-FB-16_20220302	L1-AOC-FB-17_20220309	L1-AOC-TB-01_20211028	L1-AOC-TB-02_20211118	L1-AOC-TB-03_20211214
			Laboratory Sample ID	460-253507-8	460-253965-9	460-246140-9	460-247588-7	460-249100-4
			Date Sampled	3/02/2022	3/09/2022	10/28/2021	11/18/2021	12/14/2021
			Dilution Factor	1	1	1	1	1
			Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	**0.05**	100	*0.05*	1 U	1 U	1 U	***0.34 J***	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 UJ	1 U	1 U	1 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-TB-04_20211217	L1-AOC-TB-05_20220121	L1-AOC-TB-06_20220107	L1-AOC-TB-07_20220107	L1-AOC-TB-07_20220110
			Laboratory Sample ID	460-249377-4	460-251088-17	460-250319-41	460-250319-23	460-250414-8
			Date Sampled	12/17/2021	1/21/2022	1/07/2022	1/07/2022	1/10/2022
			Dilution Factor	1	1	1	1	1
			Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	**0.05**	100	*0.05*	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U	1 U	1 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

			AKRF Sample ID	L1-AOC-TB-08_20220112	L1-AOC-TB-09_20220113	L1-AOC-TB-10_20220124	L1-AOC-TB-11_20220125	L1-AOC-TB-12_20220214
			Laboratory Sample ID	460-250569-7	460-250679-6	460-251185-7	460-251254-13	460-252506-19
			Date Sampled	1/12/2022	1/13/2022	1/24/2022	1/25/2022	2/14/2022
			Dilution Factor	1	1	1	1	1
			Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 UJ	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	**0.05**	100	*0.05*	1 U	1 U	1 U	***0.48 J***	***0.38 J***
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U	1 U	1 U

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hopstpot/AOC Endpoint Samples
Soil Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

				AKRF Sample ID	L1-AOC-TB-13_20220222	L1-AOC-TB-14_20220223	L1-AOC-TB-15_20220301	L1-AOC-TB-16_20220302	L1-AOC-TB-17_20220309
				Laboratory Sample ID	460-253004-15	460-253120-5	460-253437-18	460-253507-9	460-253965-10
				Date Sampled	2/22/2022	2/23/2022	3/01/2022	3/02/2022	3/09/2022
				Dilution Factor	1	1	1	1	1
				Unit	µg/L	µg/L	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27		1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33		1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02		1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76		1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1		1 U	1 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37		1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		1 U	1 U	1 U	1 U	1 U
Methylene Chloride	**0.05**	100	*0.05*		1 U	1 U	***0.36 J***	***0.35 J***	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3		1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19		1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47		1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02		1 U	1 U	1 U	1 U	1 UJ

Table 8
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Hotspot/AOC Endpoint Samples
Notes

DEFINITIONS

J : The concentration given is an estimated value.

K : Reported concentration value is proportional to dilution factor and may be exaggerated

L : Sample result is estimated and biased low.

U : The analyte was not detected at the indicated concentration.

mg/kg : milligrams per kilogram

µg/L : micrograms per liter

STANDARDS

Part 375 Soil Cleanup Objectives : Soil Cleanup Objectives listed in New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations [6 New York Codes, Rules and Regulations (NYCRR) Part 375].

Exceedances of Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) are highlighted in bold font
Exceedances of Part 375 Restricted Residential Soil Cleanup Objectives (RRSCOs) are highlighted in gray shading
Exceedances of Part 375 Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) are highlighted in italic font

Table 9
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	L1-UST-1B_8_20220125	L1-UST-1BX_8_20220125	L1-UST-1E_5_20211216	L1-UST-1N_5_20211216
				Laboratory Sample ID	460-251283-1	460-251283-2	460-249309-4	460-249309-1
				Date Sampled	1/25/2022	1/25/2022	12/16/2021	12/16/2021
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0015 U	0.0014 U	0.0013 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27		0.0015 U	0.0014 U	0.0013 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33		0.0015 U	0.0014 U	0.0013 U	0.0013 U
1,2,4-Trimethylbenzene	3.6	52	NA		0.0015 UJ	0.0014 UJ	0.024	0.0012 JL
1,2-Dichlorobenzene	1.1	100	NA		0.0015 UJ	0.0014 UJ	0.0013 U	0.0013 UJ
1,2-Dichloroethane	0.02	3.1	0.02		0.0037 JL	0.0054 JL	0.0042	0.0022 J
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	NA		0.0015 UJ	0.0014 UJ	0.0088	0.00057 JL
1,3-Dichlorobenzene	2.4	49	NA		0.0015 UJ	0.0014 UJ	0.0013 U	0.0013 UJ
1,4-Dichlorobenzene	1.8	13	NA		0.0015 UJ	0.0014 UJ	0.0013 U	0.0013 UJ
Acetone	0.05	100	NA		0.023	0.019	0.018	0.015 J
Benzene	**0.06**	4.8	NA		0.025 JL	0.046 JL	**0.17**	**0.13 JK**
Carbon Tetrachloride	0.76	2.4	0.76		0.0015 U	0.0014 U	0.0013 U	0.0013 U
Chlorobenzene	1.1	100	1.1		0.0015 UJ	0.0014 UJ	0.0013 U	0.0013 UJ
Chloroform	0.37	49	0.37		0.0015 U	0.0014 U	0.0013 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.0015 UJ	0.0014 UJ	0.0013 U	0.0013 UJ
Ethylbenzene	1	41	NA		0.0018 JL	0.0032 JL	0.028	0.0028
Methyl Ethyl Ketone (2-Butanone)	0.12	100	NA		0.0073 U	0.0071 U	0.0051 J	0.0064 U
Methylene Chloride	**0.05**	100	*0.05*		0.01 U	0.0029 UJ	0.0025 U	0.0026 UJ
N-Butylbenzene	12	100	NA		0.0015 UJ	0.0014 UJ	0.0013 U	0.0013 UJ
Sec-Butylbenzene	11	100	NA		0.0015 UJ	0.0014 UJ	0.0013 U	0.0013 UJ
T-Butylbenzene	5.9	100	NA		0.0015 UJ	0.0014 UJ	0.0013 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	100	NA		0.0015 U	0.0014 U	0.0013 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.036 J	0.062 J	0.034	0.014 J
Toluene	0.7	100	NA		0.022 JL	0.041 JL	0.22	0.072 JK
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0015 U	0.0014 U	0.0013 U	0.0013 UJ
Trichloroethylene (TCE)	0.47	21	0.47		0.043 J	0.063 J	0.028	0.022 JK
Vinyl Chloride	0.02	0.9	0.02		0.0015 U	0.0014 U	0.0013 UJ	0.0013 UJ
Xylenes	0.26	100	NA		0.0031 JL	0.007 JL	0.14	0.014 JK

Table 9
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	L1-UST-1NX_5_20211216	L1-UST-1S_5_20211216	L1-UST-1W_5_20211216	L1-UST-2B_5_20211217
				Laboratory Sample ID	460-249309-2	460-249309-3	460-249309-5	460-249373-6
				Date Sampled	12/16/2021	12/16/2021	12/16/2021	12/17/2021
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0012 U	0.0011 U	0.0013 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27		0.0012 U	0.0011 U	0.0013 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33		0.0012 U	0.0011 U	0.0013 U	0.0012 U
1,2,4-Trimethylbenzene	3.6	52	NA		0.0041 JL	0.0016	0.0013 U	0.00053 J
1,2-Dichlorobenzene	1.1	100	NA		0.0012 UJ	0.0011 U	0.0013 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02		0.0057 J	0.00096 J	0.0013 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	NA		0.0019 JL	0.00086 J	0.0013 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	NA		0.0012 UJ	0.0011 U	0.0013 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	NA		0.0012 UJ	0.0011 U	0.0013 U	0.0012 U
Acetone	0.05	100	NA		0.031 J	0.0076	0.0077 U	0.0074 U
Benzene	**0.06**	4.8	NA		**0.33 JK**	**0.094**	0.0013 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76		0.0012 U	0.00046 J	0.0013 U	0.0012 U
Chlorobenzene	1.1	100	1.1		0.0012 UJ	0.0011 U	0.0013 U	0.0012 U
Chloroform	0.37	49	0.37		0.0012 U	0.0011 U	0.0013 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.00082 JL	0.00051 J	0.0013 U	0.0012 U
Ethylbenzene	1	41	NA		0.016	0.0037	0.0013 U	0.0012 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	NA		0.0085	0.0053 U	0.0064 U	0.0062 U
Methylene Chloride	**0.05**	100	*0.05*		0.0024 UJ	0.0021 U	0.0026 U	0.0025 U
N-Butylbenzene	12	100	NA		0.0012 UJ	0.0011 U	0.0013 U	0.0012 U
Sec-Butylbenzene	11	100	NA		0.0012 UJ	0.0011 U	0.0013 U	0.0012 U
T-Butylbenzene	5.9	100	NA		0.0012 U	0.0011 U	0.0013 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	NA		0.0012 U	0.0011 U	0.0013 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.034 J	0.07	0.0013 U	0.0064
Toluene	0.7	100	NA		0.26 JK	0.06	0.0013 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0012 UJ	0.0011 U	0.0013 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47		0.07 JK	0.043	0.0013 U	0.0078
Vinyl Chloride	0.02	0.9	0.02		0.0012 UJ	0.0011 UJ	0.0013 U	0.0012 U
Xylenes	0.26	100	NA		0.077 JK	0.019	0.0026 U	0.0025 U

Table 9
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	L1-UST-2E_4_20211217	L1-UST-2N_4_20211217	L1-UST-2S_4_20211217	L1-UST-2W_4_20211217
				Laboratory Sample ID	460-249373-3	460-249373-1	460-249373-2	460-249373-4
				Date Sampled	12/17/2021	12/17/2021	12/17/2021	12/17/2021
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0014 U	0.0013 U	0.0013 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27		0.0014 U	0.0013 U	0.0013 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33		0.0014 U	0.0013 U	0.0013 U	0.0013 U
1,2,4-Trimethylbenzene	3.6	52	NA		0.0014 U	0.0013 U	0.0007 J	0.0013 UJ
1,2-Dichlorobenzene	1.1	100	NA		0.0014 U	0.0013 U	0.0013 U	0.0013 UJ
1,2-Dichloroethane	0.02	3.1	0.02		0.0014 U	0.0013 U	0.0013 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	NA		0.0014 U	0.0013 U	0.0013 U	0.0013 UJ
1,3-Dichlorobenzene	2.4	49	NA		0.0014 U	0.0013 U	0.0013 U	0.0013 UJ
1,4-Dichlorobenzene	1.8	13	NA		0.0014 U	0.0013 U	0.0013 U	0.0013 UJ
Acetone	0.05	100	NA		0.0082 U	0.0081 U	0.0077 U	0.0076 U
Benzene	**0.06**	4.8	NA		0.0014 U	0.0013 U	0.0054	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76		0.0014 U	0.0013 U	0.0013 U	0.0013 U
Chlorobenzene	1.1	100	1.1		0.0014 U	0.0013 U	0.0013 U	0.0013 UJ
Chloroform	0.37	49	0.37		0.0014 U	0.0013 U	0.0013 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.00065 J	0.00092 J	0.00075 J	0.0013 U
Ethylbenzene	1	41	NA		0.0014 U	0.0013 U	0.00058 J	0.0013 UJ
Methyl Ethyl Ketone (2-Butanone)	0.12	100	NA		0.0068 U	0.0067 U	0.0065 U	0.0063 U
Methylene Chloride	**0.05**	100	*0.05*		0.0027 U	0.0027 U	0.0026 U	0.0025 U
N-Butylbenzene	12	100	NA		0.0014 U	0.0013 U	0.0013 U	0.0013 UJ
Sec-Butylbenzene	11	100	NA		0.0014 U	0.0013 U	0.0013 U	0.0013 UJ
T-Butylbenzene	5.9	100	NA		0.0014 U	0.0013 U	0.0013 U	0.0013 UJ
Tert-Butyl Methyl Ether	0.93	100	NA		0.0014 U	0.0013 U	0.0013 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.0072	0.0094	0.013	0.0038 J
Toluene	0.7	100	NA		0.0014 U	0.0013 U	0.0054	0.0013 UJ
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0014 U	0.0013 U	0.0013 U	0.0013 UJ
Trichloroethylene (TCE)	0.47	21	0.47		0.011	0.0091	0.015	0.0054 JK
Vinyl Chloride	0.02	0.9	0.02		0.0014 U	0.0013 U	0.0013 U	0.0013 U
Xylenes	0.26	100	NA		0.0027 U	0.0027 U	0.0033	0.0025 UJ

Table 9
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	L1-UST-2WX_4_20211217	L1-UST-FB-01_20211216	L1-UST-FB-02_20211217	L1-UST-FB-02_20220126
				Laboratory Sample ID	460-249373-5	460-249309-7	460-249373-7	460-251338-1
				Date Sampled	12/17/2021	12/16/2021	12/17/2021	1/26/2022
				Dilution Factor	1	1	1	1
				Unit	mg/kg	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0012 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27		0.0012 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33		0.0012 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	3.6	52	NA		0.0012 UJ	1 U	1 U	1 U
1,2-Dichlorobenzene	1.1	100	NA		0.0012 UJ	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02		0.0012 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	NA		0.0012 UJ	1 U	1 U	1 U
1,3-Dichlorobenzene	2.4	49	NA		0.0012 UJ	1 U	1 U	1 U
1,4-Dichlorobenzene	1.8	13	NA		0.0012 UJ	1 U	1 U	1 U
Acetone	0.05	100	NA		0.0071 U	5 U	5 U	5 U
Benzene	**0.06**	4.8	NA		0.0012 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76		0.0012 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1		0.0012 UJ	1 U	1 U	1 U
Chloroform	0.37	49	0.37		0.0012 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.0012 U	1 U	1 U	1 U
Ethylbenzene	1	41	NA		0.0012 UJ	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	NA		0.0059 U	5 U	5 U	5 U
Methylene Chloride	**0.05**	100	*0.05*		0.0024 U	1 U	1 U	1 U
N-Butylbenzene	12	100	NA		0.0012 UJ	1 U	1 U	1 U
Sec-Butylbenzene	11	100	NA		0.0012 UJ	1 U	1 U	1 U
T-Butylbenzene	5.9	100	NA		0.0012 UJ	1 U	1 U	1 UJ
Tert-Butyl Methyl Ether	0.93	100	NA		0.0012 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.01 J	1 U	1 U	1 U
Toluene	0.7	100	NA		0.0012 UJ	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0012 UJ	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47		0.013 J	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02		0.0012 U	1 U	1 U	1 U
Xylenes	0.26	100	NA		0.0024 UJ	2 U	2 U	2 U

Table 9
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	L1-UST-TB-01_20211216	L1-UST-TB-02_20211217	L1-UST-TB-02_20220126
			Laboratory Sample ID	460-249309-8	460-249373-8	460-251338-2
			Date Sampled	12/16/2021	12/17/2021	1/26/2022
			Dilution Factor	1	1	1
			Unit	µg/L	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U
1,2,4-Trimethylbenzene	3.6	52	NA	1 U	1 U	1 U
1,2-Dichlorobenzene	1.1	100	NA	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	NA	1 U	1 U	1 U
1,3-Dichlorobenzene	2.4	49	NA	1 U	1 U	1 U
1,4-Dichlorobenzene	1.8	13	NA	1 U	1 U	1 U
Acetone	0.05	100	NA	5 U	5 U	5 U
Benzene	**0.06**	4.8	NA	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U
Ethylbenzene	1	41	NA	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	NA	5 U	5 U	5 U
Methylene Chloride	**0.05**	100	*0.05*	1 U	1 U	***0.38 J***
N-Butylbenzene	12	100	NA	1 U	1 U	1 U
Sec-Butylbenzene	11	100	NA	1 U	1 U	1 U
T-Butylbenzene	5.9	100	NA	1 U	1 U	1 UJ
Tert-Butyl Methyl Ether	0.93	100	NA	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U
Toluene	0.7	100	NA	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U
Xylenes	0.26	100	NA	2 U	2 U	2 U

Table 10
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

			AKRF Sample ID	L1-UST-1B_8_20220125	L1-UST-1BX_8_20220125	L1-UST-1E_5_20211216	L1-UST-1N_5_20211216
			Laboratory Sample ID	460-251283-1	460-251283-2	460-249309-4	460-249309-1
			Date Sampled	1/25/2022	1/25/2022	12/16/2021	12/16/2021
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
			Dilution Factor	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13		0.038 U	0.038 U	0.037 U	0.037 U
Acenaphthene	20	100		0.099 J	0.33 J	0.37 U	0.19 J
Acenaphthylene	100	100		0.014 J	0.045 J	0.37 U	0.01 J
Anthracene	100	100		0.3 J	0.9	0.017 J	0.46
Benzo(a)Anthracene	**1**	1		0.8 J	**2.3 J**	0.079	1 J
Benzo(a)Pyrene	**1**	1		0.68 J	**2 J**	0.067	0.81
Benzo(b)Fluoranthene	**1**	1		0.98 J	**2.8 J**	0.09	**1.2**
Benzo(g,h,i)Perylene	100	100		0.43 J	1.1 J	0.049 J	0.51 JK
Benzo(k)Fluoranthene	**0.8**	3.9		0.36 J	**1.1 J**	0.037	0.37 JK
Chrysene	**1**	3.9		0.85 J	**2.2 J**	0.079 J	0.97
Dibenz(a,h)Anthracene	**0.33**	0.33		0.14 J	**0.38 J**	0.017 J	0.17 JK
Fluoranthene	100	100		1.7 J	4.9 J	0.14 J	2.3 J
Fluorene	30	100		0.099 J	0.36 J	0.0077 J	0.23 J
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5		**0.51 JK**	**1.3 JK**	0.057	**0.62 JK**
Naphthalene	12	100		0.079 J	0.3 J	0.012 J	0.2 J
Phenanthrene	100	100		1.3 J	4.1 J	0.089 J	2.1 J
Pyrene	100	100		1.6 J	4.2 J	0.13 JK	2 JK

Table 10
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-UST-1NX_5_20211216	L1-UST-1S_5_20211216	L1-UST-1W_5_20211216	L1-UST-2B_5_20211217
		Laboratory Sample ID	460-249309-2	460-249309-3	460-249309-5	460-249373-6
		Date Sampled	12/16/2021	12/16/2021	12/16/2021	12/17/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.04 U	0.039 U	0.039 U	0.035 U
Acenaphthene	20	100	0.041 J	0.027 J	0.39 U	1.8
Acenaphthylene	100	100	0.0067 J	0.004 J	0.39 U	0.3 J
Anthracene	100	100	0.11 J	0.068 J	0.39 U	5.3
Benzo(a)Anthracene	**1**	1	0.34	0.19	0.019 J	NR
Benzo(a)Pyrene	**1**	1	0.3 J	0.15	0.039 U	NR
Benzo(b)Fluoranthene	**1**	1	0.43	0.23	0.013 J	NR
Benzo(g,h,i)Perylene	100	100	0.19 JK	0.11 J	0.39 U	5.2
Benzo(k)Fluoranthene	**0.8**	3.9	0.13 JK	0.074	0.039 U	NR
Chrysene	**1**	3.9	0.34 J	0.22 J	0.012 J	NR
Dibenz(a,h)Anthracene	**0.33**	0.33	0.056 JK	0.043	0.039 U	**1.7**
Fluoranthene	100	100	0.75 J	0.44	0.027 J	NR
Fluorene	30	100	0.044 J	0.029 J	0.39 U	2.2
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.23 JK	0.12	0.039 U	**6.9**
Naphthalene	12	100	0.025 J	0.037 J	0.39 U	1.2
Phenanthrene	100	100	0.52 J	0.36 J	0.028 J	NR
Pyrene	100	100	0.69 JK	0.39 JK	0.025 JK	NR

Table 10
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

			AKRF Sample ID	L1-UST-2B_5_20211217	L1-UST-2E_4_20211217	L1-UST-2E_4_20211217	L1-UST-2N_4_20211217
			Laboratory Sample ID	460-249373-6	460-249373-3	460-249373-3	460-249373-1
			Date Sampled	12/17/2021	12/17/2021	12/17/2021	12/17/2021
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
			Dilution Factor	5	1	10	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13		NR	0.037 U	NR	0.035 U
Acenaphthene	20	100		NR	4.5	NR	1.1
Acenaphthylene	100	100		NR	0.86	NR	0.17 J
Anthracene	100	100		NR	NR	11 D	2.7
Benzo(a)Anthracene	**1**	1		**11 D**	NR	**26 D**	**5.7**
Benzo(a)Pyrene	**1**	1		**9.1 D**	NR	**22 D**	**4.9**
Benzo(b)Fluoranthene	**1**	1		**13 D**	NR	**32 D**	**6.5**
Benzo(g,h,i)Perylene	100	100		NR	NR	13 D	2.8
Benzo(k)Fluoranthene	**0.8**	3.9		**4.7 D**	NR	**10 D**	**2.8**
Chrysene	**1**	3.9		**9.9 D**	NR	**23 D**	**5.4**
Dibenz(a,h)Anthracene	**0.33**	0.33		NR	**3.6**	NR	**0.87**
Fluoranthene	100	100		27 D	NR	63 D	NR
Fluorene	30	100		NR	5.7	NR	1.3
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5		NR	NR	**19 D**	**3.7**
Naphthalene	12	100		NR	3.4	NR	0.78
Phenanthrene	100	100		22 D	NR	54 D	NR
Pyrene	100	100		21 D	NR	50 D	NR

Table 10
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-UST-2N_4_20211217	L1-UST-2S_4_20211217	L1-UST-2S_4_20211217	L1-UST-2W_4_20211217
		Laboratory Sample ID	460-249373-1	460-249373-2	460-249373-2	460-249373-4
		Date Sampled	12/17/2021	12/17/2021	12/17/2021	12/17/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	5	1	10	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	NR	0.036 U	NR	0.035 U
Acenaphthene	20	100	NR	4.4	NR	0.39
Acenaphthylene	100	100	NR	1.1	NR	0.074 J
Anthracene	100	100	NR	NR	11 D	1.5
Benzo(a)Anthracene	**1**	1	NR	NR	**21 D**	**3.1**
Benzo(a)Pyrene	**1**	1	NR	NR	**16 D**	**2.5**
Benzo(b)Fluoranthene	**1**	1	NR	NR	**22 D**	**3.9**
Benzo(g,h,i)Perylene	100	100	NR	7.9	NR	1.6
Benzo(k)Fluoranthene	**0.8**	3.9	NR	**7.5**	NR	**1.2**
Chrysene	**1**	3.9	NR	NR	**17 D**	**2.9**
Dibenz(a,h)Anthracene	**0.33**	0.33	NR	**2.6**	NR	**0.45**
Fluoranthene	100	100	15 D	NR	56 D	7
Fluorene	30	100	NR	6.3	NR	0.49
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	NR	NR	**13 D**	**2**
Naphthalene	12	100	NR	4.5	NR	0.24 J
Phenanthrene	100	100	14 D	NR	60 D	6.1
Pyrene	100	100	13 D	NR	44 D	6.5

Table 10
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-UST-2WX_4_20211217	L1-UST-2WX_4_20211217	L1-UST-FB-01_20211216	L1-UST-FB-02_20211217
		Laboratory Sample ID	460-249373-5	460-249373-5	460-249309-7	460-249373-7
		Date Sampled	12/17/2021	12/17/2021	12/16/2021	12/17/2021
		Unit	mg/kg	mg/kg	µg/L	µg/L
		Dilution Factor	1	2	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	0.035 U	NR	10 U	10 U
Acenaphthene	20	100	0.68	NR	10 U	10 U
Acenaphthylene	100	100	0.077 J	NR	10 U	10 U
Anthracene	100	100	1.9	NR	10 U	10 U
Benzo(a)Anthracene	**1**	1	**4.1**	NR	1 U	1 U
Benzo(a)Pyrene	**1**	1	**3.5**	NR	1 U	1 U
Benzo(b)Fluoranthene	**1**	1	**5.1**	NR	2 U	2 U
Benzo(g,h,i)Perylene	100	100	2	NR	10 U	10 U
Benzo(k)Fluoranthene	**0.8**	3.9	**1.8**	NR	1 U	1 U
Chrysene	**1**	3.9	**4**	NR	2 U	2 U
Dibenz(a,h)Anthracene	**0.33**	0.33	**0.61**	NR	1 U	1 U
Fluoranthene	100	100	NR	8.6 D	10 U	10 U
Fluorene	30	100	0.81	NR	10 U	10 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	**2.5**	NR	2 U	2 U
Naphthalene	12	100	0.38	NR	2 U	2 U
Phenanthrene	100	100	NR	8 D	10 U	10 U
Pyrene	100	100	NR	7.2 D	10 U	10 U

Table 10
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	L1-UST-FB-02_20220126
		Laboratory Sample ID	460-251338-1
		Date Sampled	1/26/2022
		Unit	µg/L
		Dilution Factor	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q
1,4-Dioxane (P-Dioxane)	0.1	13	10 U
Acenaphthene	20	100	10 U
Acenaphthylene	100	100	10 U
Anthracene	100	100	10 U
Benzo(a)Anthracene	**1**	1	1 U
Benzo(a)Pyrene	**1**	1	1 U
Benzo(b)Fluoranthene	**1**	1	2 U
Benzo(g,h,i)Perylene	100	100	10 U
Benzo(k)Fluoranthene	**0.8**	3.9	1 U
Chrysene	**1**	3.9	2 U
Dibenz(a,h)Anthracene	**0.33**	0.33	1 U
Fluoranthene	100	100	10 U
Fluorene	30	100	10 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	2 U
Naphthalene	12	100	2 U
Phenanthrene	100	100	10 U
Pyrene	100	100	10 U

Table 11
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-UST-1B_8_20220125	L1-UST-1BX_8_20220125	L1-UST-1E_5_20211216	L1-UST-1N_5_20211216	L1-UST-1NX_5_20211216
		Laboratory Sample ID	460-251283-1	460-251283-2	460-249309-4	460-249309-1	460-249309-2
		Date Sampled	1/25/2022	1/25/2022	12/16/2021	12/16/2021	12/16/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	6,620	6,060	6,840	7,210	6,750
Antimony	NS	NS	0.6 JL	0.63 JL	0.39 J	0.5 JL	0.27 JL
Arsenic	13	16	5.6	5.2	3.3	4.2	3.5
Barium	350	400	49.3	56.1	34	51.1	34.8
Beryllium	7.2	72	0.41 J	0.4 J	0.39 J	0.38 J	0.35 J
Cadmium	**2.5**	4.3	0.34 J	0.38 J	0.21 J	0.67 J	0.29 J
Calcium	NS	NS	11,800	12,600	3,130	9,530 J	5,320 J
Chromium, Total	NS	NS	15.4	12.3	12.6	15	12.4
Cobalt	NS	NS	4.6	4.5	4.5	4.5	5
Copper	**50**	270	**150**	**173**	**123**	**114**	**73.3**
Iron	NS	NS	17,100	14,600	16,500	14,400	13,700
Lead	**63**	400	**71.3 J**	**124 J**	42.9	**89.2 J**	49.2 J
Magnesium	NS	NS	1,560 J	2,350 J	1,280	1,730	1,470
Manganese	1,600	2,000	241	317	228	282	274
Mercury	**0.18**	0.81	0.067 JK	0.068 JK	0.031	0.062 JK	0.054 JK
Nickel	30	310	11	9.5	10.4	9.7	9.2
Potassium	NS	NS	568	526	474	599	474
Selenium	3.9	180	0.41 J	0.31 J	0.31 J	0.34 J	0.3 J
Silver	2	180	1.1 U	1.1 U	1.1 U	0.1 J	1.1 U
Sodium	NS	NS	158	148	71.2 J	118	77.3 J
Thallium	NS	NS	0.097 J	0.11 J	0.07 J	0.073 J	0.06 J
Vanadium	NS	NS	19.6	16.3	18.8	22.2	17.8
Zinc	**109**	10,000	**242**	**254**	99.5	**191 JL**	**194 JL**

Table 11
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-UST-1S_5_20211216	L1-UST-1W_5_20211216	L1-UST-2B_5_20211217	L1-UST-2E_4_20211217	L1-UST-2E_4_20211217
		Laboratory Sample ID	460-249309-3	460-249309-5	460-249373-6	460-249373-3	460-249373-3
		Date Sampled	12/16/2021	12/16/2021	12/17/2021	12/17/2021	12/17/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	10
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	5,710	8,370	2,900	5,520	NR
Antimony	NS	NS	0.4 J	1.1 U	0.39 J	1.3	NR
Arsenic	13	16	5.3	2.6	4.5	8.2	NR
Barium	350	400	43.2	24.7	37.6	75.9	NR
Beryllium	7.2	72	0.35 J	0.3 J	0.17 J	0.3 J	NR
Cadmium	**2.5**	4.3	0.19 J	1.1 U	0.61 J	**3.1**	NR
Calcium	NS	NS	13,400	398	24,800	32,400	NR
Chromium, Total	NS	NS	13.8	15.5	12	18	NR
Cobalt	NS	NS	4.2	5.5	2	3.4	NR
Copper	**50**	270	**154**	12.4	**65.8**	**208**	NR
Iron	NS	NS	14,100	12,700	7,840	16,300	NR
Lead	**63**	400	**89.5**	7.6	**74.1**	**181**	NR
Magnesium	NS	NS	1,690	1,640	1,530	2,740	NR
Manganese	1,600	2,000	211	197	125	194	NR
Mercury	**0.18**	0.81	0.04	0.025	0.061	**0.19**	NR
Nickel	30	310	9.3	11.1	6.3	11.8	NR
Potassium	NS	NS	660	427	310	538	NR
Selenium	3.9	180	0.38 J	0.24 J	0.11 J	0.29 J	NR
Silver	2	180	1.1 U	1.1 U	0.074 J	0.13 J	NR
Sodium	NS	NS	156	114 U	193	461	NR
Thallium	NS	NS	0.067 J	0.05 J	0.33 U	0.06 J	NR
Vanadium	NS	NS	16.4	22	10.3	24.6	NR
Zinc	**109**	10,000	**128**	48.1	**1,280**	NR	**9,320**

Table 11
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-UST-2N_4_20211217	L1-UST-2S_4_20211217	L1-UST-2W_4_20211217	L1-UST-2WX_4_20211217	L1-UST-FB-01_20211216
		Laboratory Sample ID	460-249373-1	460-249373-2	460-249373-4	460-249373-5	460-249309-7
		Date Sampled	12/17/2021	12/17/2021	12/17/2021	12/17/2021	12/16/2021
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	µg/L
		Dilution Factor	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	5,040	5,520	4,160	5,090	40 U
Antimony	NS	NS	0.43 J	0.33 J	0.44 JL	0.34 JL	2 U
Arsenic	13	16	4	4.6	3.8	4.6	2 U
Barium	350	400	40.6	47.9	36	40.3	4 U
Beryllium	7.2	72	0.28 J	0.28 J	0.25 J	0.26 J	0.8 U
Cadmium	**2.5**	4.3	0.57 J	0.52 J	0.3 J	0.3 J	2 U
Calcium	NS	NS	19,800	19,100	16,700 J	13,200 J	500 U
Chromium, Total	NS	NS	11.8	10.6	12.3	12.3	4 U
Cobalt	NS	NS	3.1	2.7	3.1	3	4 U
Copper	**50**	270	**96.5**	**70.9**	**120**	**99.4**	4 U
Iron	NS	NS	10,800	9,680	13,500	13,100	120 U
Lead	**63**	400	**85.4**	**68.7**	61.8	**72.7**	1.2 U
Magnesium	NS	NS	2,170	1,560	3,410 J	1,690 J	200 U
Manganese	1,600	2,000	192	485	226	201	8 U
Mercury	**0.18**	0.81	0.047	0.12	0.052	0.055	0.2 U
Nickel	30	310	8.2	6.6	8 JK	7.2 JK	4 U
Potassium	NS	NS	640	536	494 JL	611 JL	200 U
Selenium	3.9	180	0.15 J	0.16 J	0.17 J	0.2 J	2.5 U
Silver	2	180	0.5 J	0.086 J	0.11 J	0.08 J	2 U
Sodium	NS	NS	248	409	188 JK	346 JK	500 U
Thallium	NS	NS	0.047 J	0.057 J	0.044 J	0.085 J	0.8 U
Vanadium	NS	NS	16.1	12.9	15.3 JL	15.2 JL	4 U
Zinc	**109**	10,000	**896**	**648**	**328**	**575**	16 U

Table 11
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Metals

		AKRF Sample ID	L1-UST-FB-02_20211217	L1-UST-FB-02_20220126
		Laboratory Sample ID	460-249373-7	460-251338-1
		Date Sampled	12/17/2021	1/26/2022
		Unit	µg/L	µg/L
		Dilution Factor	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q
Aluminum	NS	NS	40 U	40 U
Antimony	NS	NS	2 U	2 U
Arsenic	13	16	2 U	2 U
Barium	350	400	4 U	4 U
Beryllium	7.2	72	0.8 U	0.8 U
Cadmium	**2.5**	4.3	2 U	2 U
Calcium	NS	NS	500 U	500 U
Chromium, Total	NS	NS	4 U	4 U
Cobalt	NS	NS	4 U	4 U
Copper	**50**	270	4 U	4 U
Iron	NS	NS	120 U	120 U
Lead	**63**	400	1.2 U	1.2 U
Magnesium	NS	NS	200 U	200 U
Manganese	1,600	2,000	8 U	8 U
Mercury	**0.18**	0.81	0.2 U	0.2 U
Nickel	30	310	4 U	4 U
Potassium	NS	NS	200 U	200 U
Selenium	3.9	180	2.5 U	2.5 U
Silver	2	180	2 U	2 U
Sodium	NS	NS	500 U	500 U
Thallium	NS	NS	0.8 U	0.8 U
Vanadium	NS	NS	4 U	4 U
Zinc	**109**	10,000	16 U	16 U

Table 12
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

				AKRF Sample ID	L1-UST-1B_8_20220125	L1-UST-1BX_8_20220125	L1-UST-1E_5_20211216	L1-UST-1N_5_20211216
				Laboratory Sample ID	460-251363-1	460-251363-2	460-249307-4	460-249307-1
				Date Sampled	1/25/2022	1/25/2022	12/16/2021	12/16/2021
				Dilution Factor	1	1	1	1
				Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**		CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS		0.23 U	0.22 U	2.11 U	2.21 U
8:2 Fluorotelomer sulfonate	NS	NS	NS		0.23 U	0.22 U	3.17 U	3.32 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS		0.045 J	0.056 J	2.11 UJ	2.21 UJ
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS		0.23 U	0.22 U	2.11 UJ	2.21 UJ
Perfluorobutanesulfonic acid	NS	NS	NS		0.46 U	0.44 U	2.11 U	2.21 U
Perfluorobutanoic acid	NS	NS	NS		0.072 J	0.063 J	2.11 U	2.21 U
Perfluorodecanesulfonic acid	NS	NS	NS		0.23 U	0.22 U	0.63 U	0.66 U
Perfluorodecanoic acid	NS	NS	NS		0.045 J	0.04 J	0.63 U	0.66 U
Perfluorododecanoic acid	NS	NS	NS		0.23 U	0.22 U	0.63 U	0.66 U
Perfluoroheptanesulfonic acid	NS	NS	NS		0.23 U	0.22 U	0.63 U	0.66 U
Perfluoroheptanoic acid	NS	NS	NS		0.23 U	0.22 U	0.63 U	0.66 U
Perfluorohexanesulfonic acid	NS	NS	NS		0.23 U	0.22 U	0.63 U	0.66 U
Perfluorohexanoic acid	NS	NS	NS		0.03 J	0.032 J	0.63 U	0.66 U
Perfluorononanoic acid	NS	NS	NS		0.23 U	0.22 U	0.63 U	0.66 U
Perfluorooctanesulfonic acid	**0.88**	44	3.7		0.39	0.3	0.33 J	0.66 U
Perfluorooctanoic acid	0.66	33	1.1		0.064 J	0.055 J	0.63 U	0.66 U
Perfluoropentanoic acid	NS	NS	NS		0.23 U	0.22 U	0.63 U	0.66 U
Perfluorotetradecanoic acid	NS	NS	NS		0.23 U	0.22 U	0.63 U	0.66 U
Perfluorotridecanoic acid	NS	NS	NS		0.23 U	0.22 U	0.63 U	0.66 U
Perfluoroundecanoic acid	NS	NS	NS		0.23 U	0.22 U	0.63 U	0.66 U
Perfluroroctanesulfonamide	NS	NS	NS		0.024 J	0.025 J	0.63 U	0.66 U

Table 12
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

				AKRF Sample ID	L1-UST-1NX_5_20211216	L1-UST-1S_5_20211216	L1-UST-1W_5_20211216	L1-UST-2B_5_20211217
				Laboratory Sample ID	460-249307-2	460-249307-3	460-249307-5	460-249423-5
				Date Sampled	12/16/2021	12/16/2021	12/16/2021	12/17/2021
				Dilution Factor	1	1	1	1
				Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**		CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS		2.22 U	2.14 U	2.19 U	2.1 U
8:2 Fluorotelomer sulfonate	NS	NS	NS		3.33 U	3.21 U	3.28 U	3.15 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS		2.22 UJ	2.14 UJ	2.19 UJ	0.43 J
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS		2.22 UJ	2.14 UJ	2.19 R	2.1 U
Perfluorobutanesulfonic acid	NS	NS	NS		2.22 U	2.14 U	2.19 U	2.1 U
Perfluorobutanoic acid	NS	NS	NS		2.22 U	2.14 U	2.19 U	2.1 U
Perfluorodecanesulfonic acid	NS	NS	NS		0.67 U	0.64 U	0.66 U	0.63 U
Perfluorodecanoic acid	NS	NS	NS		0.67 U	0.64 U	0.66 U	0.63 U
Perfluorododecanoic acid	NS	NS	NS		0.67 U	0.64 U	0.66 U	0.63 U
Perfluoroheptanesulfonic acid	NS	NS	NS		0.67 U	0.64 U	0.66 U	0.63 U
Perfluoroheptanoic acid	NS	NS	NS		0.67 U	0.64 U	0.66 U	0.63 U
Perfluorohexanesulfonic acid	NS	NS	NS		0.67 U	0.64 U	0.66 U	0.63 U
Perfluorohexanoic acid	NS	NS	NS		0.67 U	0.64 U	0.66 U	0.63 U
Perfluorononanoic acid	NS	NS	NS		0.67 U	0.64 U	0.66 U	0.63 U
Perfluorooctanesulfonic acid	**0.88**	44	3.7		0.67 U	0.64 U	0.66 U	0.43 J
Perfluorooctanoic acid	0.66	33	1.1		0.67 U	0.64 U	0.66 U	0.63 U
Perfluoropentanoic acid	NS	NS	NS		0.67 U	0.21 J	0.66 U	0.63 U
Perfluorotetradecanoic acid	NS	NS	NS		0.67 U	0.64 U	0.66 U	0.63 U
Perfluorotridecanoic acid	NS	NS	NS		0.67 U	0.64 U	0.66 U	0.63 U
Perfluoroundecanoic acid	NS	NS	NS		0.67 U	0.64 U	0.66 U	0.63 U
Perfluroroctanesulfonamide	NS	NS	NS		0.67 U	0.64 U	0.66 U	0.63 U

Table 12
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

				AKRF Sample ID	L1-UST-2E_4_20211217	L1-UST-2N_4_20211217	L1-UST-2S_4_20211217	L1-UST-2W_4_20211217
				Laboratory Sample ID	460-249423-3	460-249423-1	460-249423-2	460-249423-4
				Date Sampled	12/17/2021	12/17/2021	12/17/2021	12/17/2021
				Dilution Factor	1	1	1	1
				Unit	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**		CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS		2.18 U	1.99 U	1.95 U	2.04 U
8:2 Fluorotelomer sulfonate	NS	NS	NS		3.27 U	2.99 U	2.92 U	3.06 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS		8.01	0.28 J	1.95 U	2.04 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS		2.18 U	1.99 U	1.95 UJ	2.04 U
Perfluorobutanesulfonic acid	NS	NS	NS		2.18 U	1.99 U	1.95 U	2.04 U
Perfluorobutanoic acid	NS	NS	NS		2.18 U	1.99 U	1.95 U	2.04 U
Perfluorodecanesulfonic acid	NS	NS	NS		0.65 U	0.6 U	0.58 U	0.61 U
Perfluorodecanoic acid	NS	NS	NS		0.65 U	0.6 U	0.58 U	0.61 U
Perfluorododecanoic acid	NS	NS	NS		0.65 U	0.6 U	0.58 U	0.61 U
Perfluoroheptanesulfonic acid	NS	NS	NS		0.65 U	0.6 U	0.58 U	0.61 U
Perfluoroheptanoic acid	NS	NS	NS		0.65 U	0.6 U	0.58 U	0.61 U
Perfluorohexanesulfonic acid	NS	NS	NS		0.65 U	0.6 U	0.58 U	0.61 U
Perfluorohexanoic acid	NS	NS	NS		0.65 U	0.6 U	0.58 U	0.61 U
Perfluorononanoic acid	NS	NS	NS		0.65 U	0.6 U	0.58 U	0.61 U
Perfluorooctanesulfonic acid	**0.88**	44	3.7		**1.26**	0.29 J	0.58 U	0.61 U
Perfluorooctanoic acid	0.66	33	1.1		0.24 J	0.26 J	0.58 U	0.61 U
Perfluoropentanoic acid	NS	NS	NS		0.65 U	0.6 U	0.58 U	0.61 U
Perfluorotetradecanoic acid	NS	NS	NS		0.65 U	0.6 U	0.58 U	0.61 U
Perfluorotridecanoic acid	NS	NS	NS		0.65 U	0.6 U	0.58 U	0.61 U
Perfluoroundecanoic acid	NS	NS	NS		0.65 U	0.6 U	0.58 U	0.61 U
Perfluroroctanesulfonamide	NS	NS	NS		0.51 J	0.6 U	0.58 U	0.61 U

Table 12
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

				AKRF Sample ID	L1-UST-2WX_4_20211217	L1-UST-FB-01_20211216	L1-UST-FB-02_20211217	L1-UST-FB-02_20220126
				Laboratory Sample ID	460-249423-6	460-249307-7	460-249423-7	460-251395-1
				Date Sampled	12/17/2021	12/16/2021	12/17/2021	1/26/2022
				Dilution Factor	1	1	1	1
				Unit	ppb	ppt	ppt	ppt
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**		CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	NS		2.12 U	4.11 U	4.45 U	4.66 U
8:2 Fluorotelomer sulfonate	NS	NS	NS		3.18 U	2.47 UJ	2.67 U	2.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS		2.12 U	2.47 U	2.67 U	2.8 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS		2.12 UJ	1.65 U	1.78 U	1.87 U
Perfluorobutanesulfonic acid	NS	NS	NS		2.12 U	1.65 U	1.78 U	1.87 U
Perfluorobutanoic acid	NS	NS	NS		2.12 U	4.11 U	4.45 U	4.66 U
Perfluorodecanesulfonic acid	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U
Perfluorodecanoic acid	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U
Perfluorododecanoic acid	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U
Perfluoroheptanesulfonic acid	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U
Perfluoroheptanoic acid	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U
Perfluorohexanesulfonic acid	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U
Perfluorohexanoic acid	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U
Perfluorononanoic acid	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U
Perfluorooctanesulfonic acid	**0.88**	44	3.7		0.64 U	1.65 U	1.78 U	1.87 U
Perfluorooctanoic acid	0.66	33	1.1		0.25 J	1.65 U	1.78 U	1.87 U
Perfluoropentanoic acid	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U
Perfluorotetradecanoic acid	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U
Perfluorotridecanoic acid	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U
Perfluoroundecanoic acid	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U
Perfluroroctanesulfonamide	NS	NS	NS		0.64 U	1.65 U	1.78 U	1.87 U

Tables 9-12
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
UST Endpoint Samples
Notes

DEFINITIONS

D	:	Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.
J	:	The concentration given is an estimated value.
K	:	Reported concentration value is proportional to dilution factor and may be exaggerated
L	:	Sample result is estimated and biased low.
NR	:	Not reported.
NS	:	No standard.
R	:	Indicates the reported result is unusable. (Note: the analyte may or may not be present.)
U	:	The analyte was not detected at the indicated concentration.
mg/kg	:	milligrams per kilogram
µg/L	:	micrograms per liter
ppb	:	parts per billion
ppt	:	parts per trillion

STANDARDS

Part 375 Soil Cleanup Objectives	:	Soil Cleanup Objectives listed in New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations [6 New York Codes, Rules and Regulations (NYCRR) Part 375].

Exceedances of Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) are highlighted in bold font
Exceedances of Part 375 Restricted Residential Soil Cleanup Objectives (RRSCOs) are highlighted in gray shading
Exceedances of Part 375 Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) are highlighted in italic font

NYSDEC Part 375 PFAS Guidance Values	:	New York State Department of Environmental Conservation (NYSDEC) Sampling, Analysis and Assessment Of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs Issued January 2021.

Exceedances of NYSDEC PFAS Unrestricted Use Guidance Values (UUGVs) are highlighted in bold font
Exceedances of NYSDEC PFAS Restricted Residential Guidance Values (RRGVs) are highlighted in gray shading
Exceedances of NYSDEC PFAS Protection of Groundwater Guidance Values (PGWGVs) are highlighted in italic font.

Table 13
Atlantic Chestnut Lot - 1
250 Euclid Avenue, Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Chlorinated Volatile Organic Compounds (CVOCs)

AKRF Sample ID		L1-RI-MW-5_20210427	L1-RI-MW-X01_20210427	L1-RA-MW-05R_20220222	L1-RA-MW-05R_20220223	L1-RA-MW-X05_20220223
Laboratory Sample ID		460-233021-2	460-233021-5	460-252995-3	460-253100-3	460-253100-4
Date Sampled		4/27/2021	4/27/2021	2/22/2022	2/23/2022	2/23/2022
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Dilution Factor		1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	5	4	3.6	1 U	1.1	1.2
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	**5**	1.7	1.5	1 U	1 U	0.38 J
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U

Table 13
Atlantic Chestnut Lot - 1
250 Euclid Avenue, Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Chlorinated Volatile Organic Compounds (CVOCs)

AKRF Sample ID		L1-RA-MW-05R_20220421	L1-RA-MW-X05_20220421	L1-RA-MW-05R_20220916	L1-RA-MW-X07_20220916	L1-RDI-MW-6S_20210427
Laboratory Sample ID		460-256707-1	460-256707-3	460-265698-1	460-265698-4	460-233021-6
Date Sampled		4/21/2022	4/21/2022	9/16/2022	9/16/2022	4/27/2021
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Dilution Factor		1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	0.58 J	0.66 J	1 U
Cis-1,2-Dichloroethylene	5	1	0.95 J	0.32 J	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	5	2.4	2.2	2.2	2.1	3.8
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	**5**	**18**	**18**	2.6	2.4	1.6
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U

Table 13
Atlantic Chestnut Lot - 1
250 Euclid Avenue, Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Chlorinated Volatile Organic Compounds (CVOCs)

AKRF Sample ID		L1-RA-MW-06R_20220223	L1-RA-MW-06R_20220421	L1-RA-MW-06R_20220916	L1-RDI-MW-7S_20210427	L1-RA-MW-07R_20220222
Laboratory Sample ID		460-253100-2	460-256707-2	460-265698-2	460-233021-3	460-252995-2
Date Sampled		2/23/2022	4/21/2022	9/16/2022	4/27/2021	2/22/2022
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Dilution Factor		1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.71 J	1.2	0.81 J	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	5	0.74 J	0.74 J	0.5 J	1.6	0.75 J
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	**5**	1.1	1	0.94 J	1.7	0.87 J
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U

Table 13
Atlantic Chestnut Lot - 1
250 Euclid Avenue, Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Chlorinated Volatile Organic Compounds (CVOCs)

AKRF Sample ID		L1-RA-MW-07R_20220420	L1-RA-MW-07R_20220915	L1-RDI-MW-8S_20210427	L1-RA-MW-08R_20220222	L1-RA-MW-08R2_20220915
Laboratory Sample ID		460-256660-4	460-265595-1	460-233021-4	460-252995-1	460-265595-2
Date Sampled		4/20/2022	9/15/2022	4/27/2021	2/22/2022	9/15/2022
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Dilution Factor		1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	0.64 J	1 U	1 U	0.76 J
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	5	0.95 J	0.68 J	0.37 J	1.4	0.5 J
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	**5**	1.1	1.1	1.4	0.86 J	0.78 J
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U

Table 13
Atlantic Chestnut Lot - 1
250 Euclid Avenue, Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Chlorinated Volatile Organic Compounds (CVOCs)

AKRF Sample ID		L1-RDI-MW-9S_20210427	L1-RA-MW-09R_20220223	L1-RA-MW-09R_20220420	L1-RA-MW-09R_20220915	FB-GW-01_20210427
Laboratory Sample ID		460-233021-1	460-253100-1	460-256660-1	460-265595-3	460-233021-7
Date Sampled		4/27/2021	2/23/2022	4/20/2022	9/15/2022	4/27/2021
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Dilution Factor		1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	0.42 J	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	0.69 J
Tetrachloroethylene (PCE)	5	3	0.55 J	0.94 J	0.62 J	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	**5**	1.7	1.1	2.1	1.7	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U

Table 13
Atlantic Chestnut Lot - 1
250 Euclid Avenue, Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Chlorinated Volatile Organic Compounds (CVOCs)

AKRF Sample ID		FB-GW-02_20220222	FB-GW-03_20220420	FB-GW-04_20220915	TB-GW-01_20210427	TB-GW-02_20220222
Laboratory Sample ID		460-252995-4	460-256660-2	460-265595-4	460-233021-8	460-252995-5
Date Sampled		2/22/2022	4/20/2022	9/15/2022	4/27/2021	2/22/2022
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Dilution Factor		1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	0.69 J	1 U
Tetrachloroethylene (PCE)	5	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	**5**	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U

Table 13
Atlantic Chestnut Lot - 1
250 Euclid Avenue, Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Chlorinated Volatile Organic Compounds (CVOCs)

AKRF Sample ID		TB-GW-03_20220420	TB-GW-04_20220915	TB-GW-05_20220916
Laboratory Sample ID		460-256660-3	460-265595-5	460-265698-3
Date Sampled		4/20/2022	9/15/2022	9/16/2022
Unit		mg/kg	mg/kg	mg/kg
Dilution Factor		1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U
Methylene Chloride	5	1 U	0.6 J	1 U
Tetrachloroethylene (PCE)	5	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U
Trichloroethylene (TCE)	**5**	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U

Table 14
Atlantic Chestnut - Lot 1
250 Euclid Avenue,Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Total Metals

AKRF Sample ID		L1-RI-MW-5_20210427	L1-RI-MW-X01_20210427	L1-RA-MW-05R_20220223	L1-RA-MW-05R_20220223	L1-RA-MW-X05_20220223
Laboratory Sample ID		460-233021-2	460-233021-5	460-253100-3	460-253100-3	460-253100-4
Date Sampled		4/27/2021	4/27/2021	2/23/2022	2/23/2022	2/23/2022
Unit		µg/L	µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	5	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	235 J	142 J	26.3 J	NR	21.8 J
Antimony	3	2 U	2 U	2 U	NR	2 U
Arsenic	25	2 U	2 U	2 U	NR	2 U
Barium	1,000	33.2	28.6	27.4	NR	27
Beryllium	3	0.8 U	0.8 U	0.8 U	NR	0.8 U
Cadmium	5	2 U	2 U	2 U	NR	2 U
Calcium	NS	53,000	53,900	37,900	NR	37,000
Chromium, Total	**50**	4 U	4 U	**392**	NR	**388**
Cobalt	NS	4 U	4 U	4 U	NR	4 U
Copper	200	4 U	4 U	2.6 J	NR	2.9 J
Iron	**300**	246 J	150 J	120 U	NR	120 U
Lead	25	1.2 U	1.2 U	1.2 U	NR	1.2 U
Magnesium	35,000	9,490	9,450	5,210	NR	4,980
Manganese	**300**	6.4 J	4.7 J	NR	**33,000**	NR
Mercury	0.7	0.2 U	0.2 U	0.47	NR	0.48
Nickel	100	1.5 J	1.4 J	1.6 J	NR	1.2 J
Potassium	NS	4,930	5,050	3,400	NR	3,300
Selenium	10	1.3 J	1 J	1.4 J	NR	0.93 J
Silver	50	2 U	2 U	2 U	NR	2 U
Sodium	**20,000**	**31,900**	**32,900**	**38,800**	NR	**38,000**
Thallium	0.5	0.8 U	0.8 U	0.8 U	NR	0.8 U
Vanadium	NS	1.7 J	0.75 J	4 U	NR	4 U
Zinc	2,000	16 U	16 U	16 U	NR	16 U

Table 14
Atlantic Chestnut - Lot 1
250 Euclid Avenue,Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Total Metals

AKRF Sample ID		L1-RA-MW-X05_20220223	L1-RA-MW-05R_20220421	L1-RA-MW-X05_20220421	L1-RA-MW-05R_20220916	L1-RA-MW-X07_20220916
Laboratory Sample ID		460-253100-4	460-256707-1	460-256707-3	460-265698-1	460-265698-4
Date Sampled		2/23/2022	4/21/2022	4/21/2022	9/16/2022	9/16/2022
Unit		µg/L	µg/L	µg/L	µg/L	µg/L
Dilution Factor		5	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	40 U	40 U	40 U	40 U
Antimony	3	NR	2 U	2 U	2 U	2 U
Arsenic	25	NR	2 U	2 U	2 U	2 U
Barium	1,000	NR	35.5	36.1	54.3	52.3
Beryllium	3	NR	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	NR	2 U	2 U	2 U	2 U
Calcium	NS	NR	54,900	54,700	62,800	60,200
Chromium, Total	**50**	NR	**99.7**	**100**	20.2	19.3
Cobalt	NS	NR	4 U	4 U	4 U	4 U
Copper	200	NR	4 U	4 U	4 U	4 U
Iron	**300**	NR	120 U	120 U	120 U	120 U
Lead	25	NR	1.2 U	1.2 U	1.2 U	1.2 U
Magnesium	35,000	NR	8,750	8,800	9,520	9,410
Manganese	**300**	**37,400**	35.3	35.9	18.3	16.1
Mercury	0.7	NR	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	NR	4 U	4 U	1.1 J	0.99 J
Potassium	NS	NR	4,130	4,250	5,310	5,120
Selenium	10	NR	1.9 J	1.7 J	3.2	2.9
Silver	50	NR	2 U	2 U	2 U	2 U
Sodium	**20,000**	NR	**38,400**	**38,700**	**56,300**	**55,300**
Thallium	0.5	NR	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	NR	4 U	4 U	4 U	4 U
Zinc	2,000	NR	16 U	16 U	16 U	16 U

Table 14
Atlantic Chestnut - Lot 1
250 Euclid Avenue,Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Total Metals

AKRF Sample ID		L1-RDI-MW-6S_20210427	L1-RA-MW-06R_20220223	L1-RA-MW-06R_20220421	L1-RA-MW-06R_20220916	L1-RDI-MW-7S_20210427
Laboratory Sample ID		460-233021-6	460-253100-2	460-256707-2	460-265698-2	460-233021-3
Date Sampled		4/27/2021	2/23/2022	4/21/2022	9/16/2022	4/27/2021
Unit		µg/L	µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	61.4	242	249	1,770	372
Antimony	3	2 U	2 U	2 U	2 U	0.82 J
Arsenic	25	2 U	2 U	2 U	2 U	1.2 J
Barium	1,000	28.8	53.1	49.8	74.1	40.1
Beryllium	3	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NS	49,900	49,300	56,500	65,800	46,800
Chromium, Total	**50**	5.3	3.5 J	4.5	13.1	3.9 J
Cobalt	NS	4 U	1.8 J	1.3 J	2 J	0.81 J
Copper	200	3.8 J	3.3 J	3.4 J	8.1	4.2
Iron	**300**	65.9 J	**761**	**768**	**3,530**	**1,310**
Lead	25	1.2 U	1.2 U	1.2 U	1.5	1.5
Magnesium	35,000	6,980	5,720	6,390	8,240	6,870
Manganese	**300**	81.1	234	173	79.2	60.5
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	5.5	6.7	5.6	8	4.7
Potassium	NS	7,680	4,580	5,540	6,080	4,800
Selenium	10	0.84 J	1.4 J	1 J	2.4 J	1.2 J
Silver	50	2 U	2 U	2 U	2 U	2 U
Sodium	**20,000**	**32,900**	**53,500**	**50,100**	**50,400**	**29,000**
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	4 U	4 U	4 U	4.2	2.8 J
Zinc	2,000	16 U	16 U	16 U	9.7 J	16 U

Table 14
Atlantic Chestnut - Lot 1
250 Euclid Avenue,Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Total Metals

	AKRF Sample ID	L1-RA-MW-07R_20220222	L1-RA-MW-07R_20220420	L1-RA-MW-07R_20220915	L1-RDI-MW-8S_20210427	L1-RA-MW-08R_20220222
	Laboratory Sample ID	460-252995-2	460-256660-4	460-265595-1	460-233021-4	460-252995-1
	Date Sampled	2/22/2022	4/20/2022	9/15/2022	4/27/2021	2/22/2022
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	127	141	244	57.3	461
Antimony	3	2 U	2 U	2 U	2 U	2 U
Arsenic	25	2 U	2 U	2 U	2 U	2 U
Barium	1,000	26.8	24.3	22.8	23.7	27.9
Beryllium	3	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NS	35,900	34,000	27,700	27,900	56,000
Chromium, Total	**50**	4 U	4 U	4 U	4 U	6.4
Cobalt	NS	4 U	4 U	4 U	4 U	1.7 J
Copper	200	4 U	4 U	4 U	4 U	3.9 J
Iron	**300**	**351**	**361**	**394**	111 J	**1,680**
Lead	25	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Magnesium	35,000	5,520	5,350	4,720	5,030	13,600
Manganese	**300**	**309**	122	38	9.1	**672**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	9	2.7 J	2.2 J	2.9 J	7.6
Potassium	NS	4,990	4,380	3,670	2,580	3,590
Selenium	10	1.9 J	2.6	3.8	5.2	1.9 J
Silver	50	2 U	2 U	2 U	2 U	2 U
Sodium	**20,000**	17,700	16,200	**34,300**	**66,200**	**43,000**
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	4 U	4 U	0.74 J	4 U	0.68 J
Zinc	2,000	16 U	16 U	16 U	16 U	16 U

Table 14
Atlantic Chestnut - Lot 1
250 Euclid Avenue,Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Total Metals

AKRF Sample ID		L1-RA-MW-08R2_20220915	L1-RDI-MW-9S_20210427	L1-RA-MW-09R_20220223	L1-RA-MW-09R_20220420	L1-RA-MW-09R_20220915
Laboratory Sample ID		460-265595-2	460-233021-1	460-253100-1	460-256660-1	460-265595-3
Date Sampled		9/15/2022	4/27/2021	2/23/2022	4/20/2022	9/15/2022
Unit		µg/L	µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	177	743	31.3 J	68.8	142
Antimony	3	2 U	2 U	2 U	2 U	2 U
Arsenic	25	2 U	2 U	2 U	2 U	2 U
Barium	1,000	33.3	39.4	29.6	32.4	23.4
Beryllium	3	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NS	40,500	40,900	50,300	42,900	39,800
Chromium, Total	**50**	4 U	6.9	**390**	49.6	4
Cobalt	NS	4 U	4 U	1.1 J	2.1 J	1.4 J
Copper	200	4 U	3.1 J	4 U	2.8 J	7
Iron	**300**	**334**	**1,760**	65.3 J	**533**	**948**
Lead	25	1.2 U	7	1.2 U	1 J	1.3
Magnesium	35,000	8,500	7,280	9,750	8,400	8,100
Manganese	**300**	41.1	21.7	**3,320**	**1,420**	**1,060**
Mercury	0.7	0.2 U	0.2 U	0.52	0.2 U	0.2 U
Nickel	100	5	3.9 J	25.6	19.9	9.2
Potassium	NS	2,470	3,390	3,280	2,740	2,520
Selenium	10	4.3	1.2 J	7.7	8.5	4.1
Silver	50	2 U	2 U	2 U	2 U	2 U
Sodium	**20,000**	**38,600**	**34,900**	**48,600**	**75,900**	**45,700**
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	0.86 J	2.9 J	4 U	4 U	0.93 J
Zinc	2,000	16 U	16 U	16 U	16 U	20.3

Table 14
Atlantic Chestnut - Lot 1
250 Euclid Avenue,Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Total Metals

AKRF Sample ID		FB-GW-01_20210427	FB-GW-02_20220222	FB-GW-03_20220420	FB-GW-04_20220915
Laboratory Sample ID		460-233021-7	460-252995-4	460-256660-2	460-265595-4
Date Sampled		4/27/2021	2/22/2022	4/20/2022	9/15/2022
Unit		µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	40 U	40 U	40 U	40 U
Antimony	3	2 U	2 U	2 U	2 U
Arsenic	25	2 U	2 U	2 U	2 U
Barium	1,000	4 U	4 U	4 U	4 U
Beryllium	3	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	2 U	2 U	2 U	2 U
Calcium	NS	500 U	500 U	500 U	500 U
Chromium, Total	**50**	4 U	4 U	4 U	4 U
Cobalt	NS	4 U	4 U	4 U	4 U
Copper	200	4 U	4 U	4 U	4 U
Iron	**300**	120 U	120 U	120 U	120 U
Lead	25	1.2 U	1.2 U	1.2 U	1.2 U
Magnesium	35,000	200 U	200 U	200 U	200 U
Manganese	**300**	8 U	8 U	8 U	8 U
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	4 U	4 U	4 U	4 U
Potassium	NS	200 U	200 U	200 U	200 U
Selenium	10	2.5 U	2.5 U	2.5 U	2.5 U
Silver	50	2 U	2 U	2 U	2 U
Sodium	**20,000**	500 U	500 U	500 U	500 U
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	4 U	4 U	4 U	4 U
Zinc	2,000	16 U	16 U	16 U	16 U

Tables 13-14
Atlantic Chestnut - Lot 1
250 Euclid Avenue, Brooklyn, NY
Baseline and Post-Injection Groundwater Analytical Results
Notes

DEFINITIONS

J : The concentration given is an estimated value.

NR : Not reported.

NS : No standard.

U : The analyte was not detected at the indicated concentration.

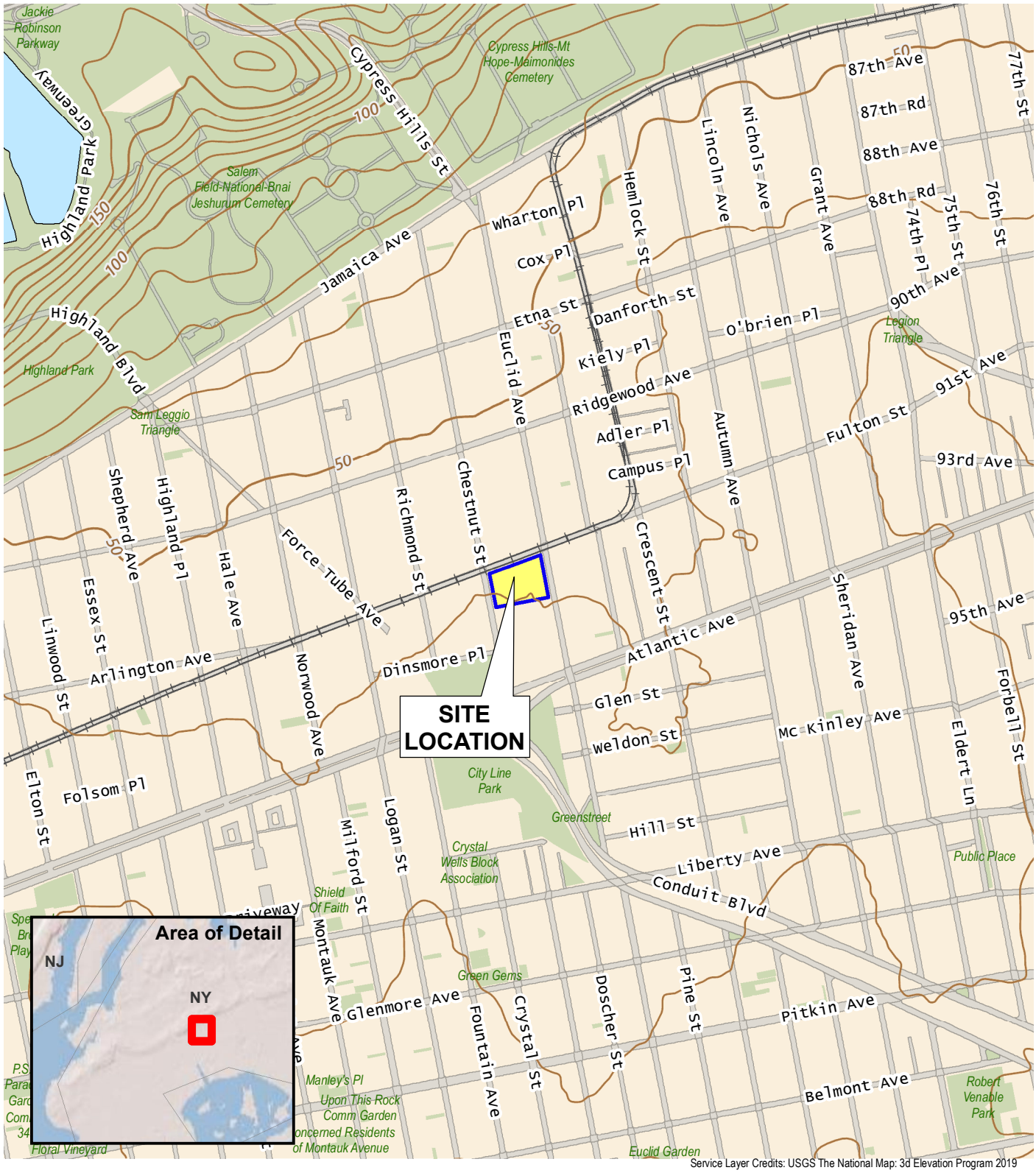
µg/L : micrograms per liter

STANDARDS

NYSDEC Class GA AWQSGVs : New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs).

Exceedances of NYSDEC Class GA AWQSGVs are highlighted in bold font

FIGURES



0 800 1,600

SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

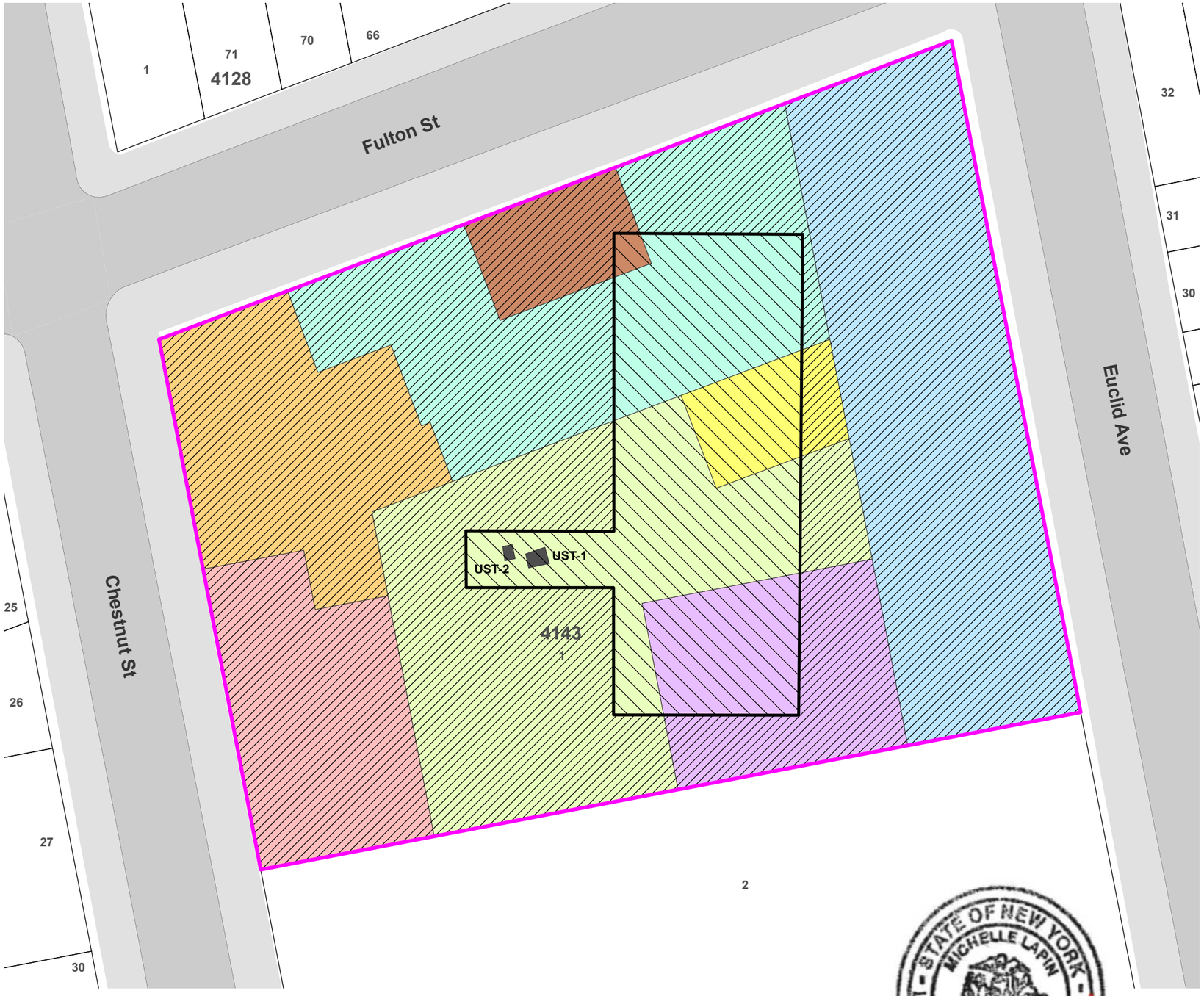
Atlantic Chestnut - Lot 1
250 Euclid Avenue
Brooklyn, New York

SITE LOCATION

DATE
9/26/2022

PROJECT NO.
12492

FIGURE
1



LEGEND

- BCP SITE BOUNDARY
- 4143 BLOCK NUMBER
- 1 LOT BOUNDARY AND TAX LOT NUMBER
- EXTENT OF TRACK 2
- EXTENT OF TRACK 4
- REMEDIAL EXCAVATION TO 3 FEET BELOW SURFACE GRADE
- REMEDIAL EXCAVATION TO 4-9 FEET BELOW SURFACE GRADE
- REMEDIAL EXCAVATION TO 8 FEET BELOW SURFACE GRADE
- REMEDIAL EXCAVATION TO 9 FEET BELOW SURFACE GRADE
- REMEDIAL EXCAVATION TO 13 FEET BELOW SURFACE GRADE
- REMEDIAL EXCAVATION TO 14-17 FEET BELOW SURFACE GRADE
- REMEDIAL EXCAVATION TO 15 FEET BELOW SURFACE GRADE
- REMEDIAL EXCAVATION TO 19 FEET BELOW SURFACE GRADE
- UNDERGROUND STORAGE TANK

0 20 40 80

SCALE IN FEET

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

AKRF
440 Park Avenue South, New York, NY 10016

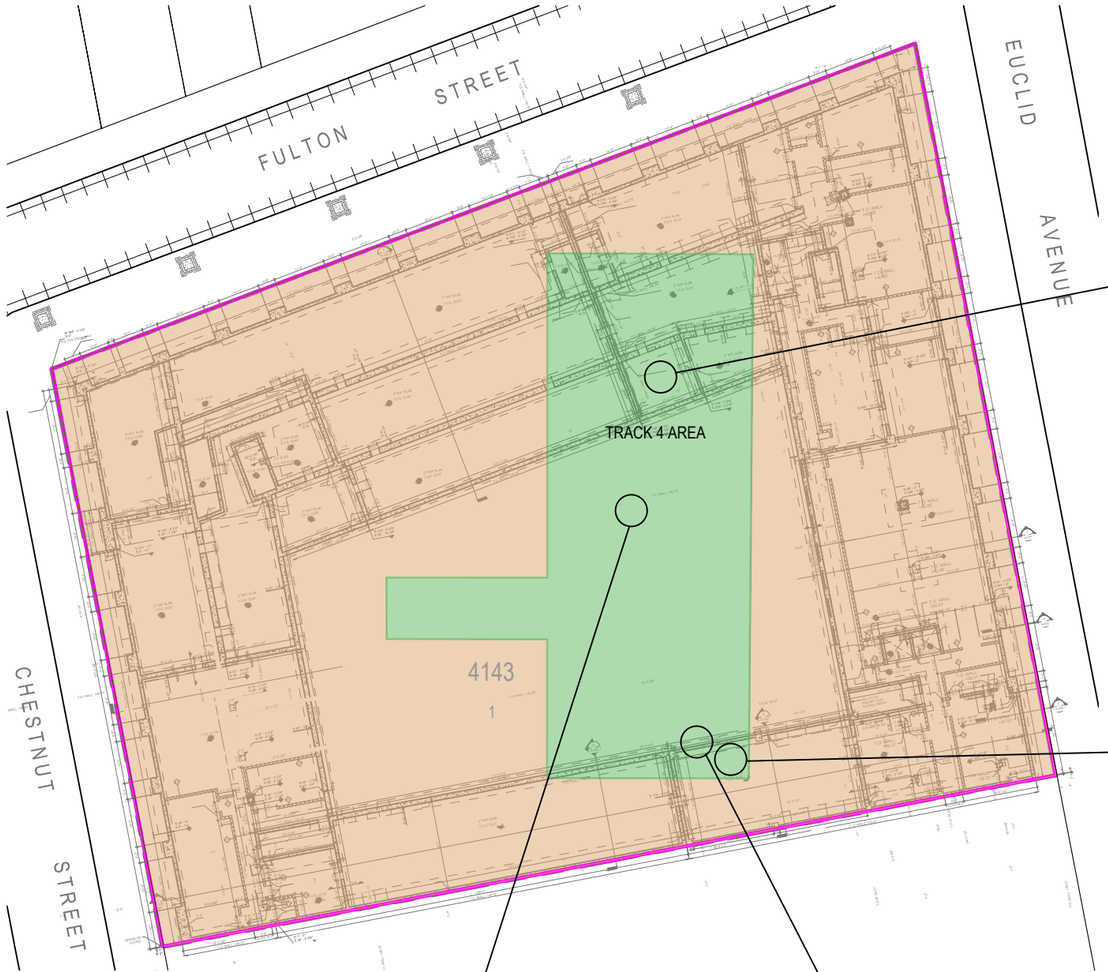
Atlantic Chestnut - Lot 1
250 Euclid Avenue
Brooklyn, New York

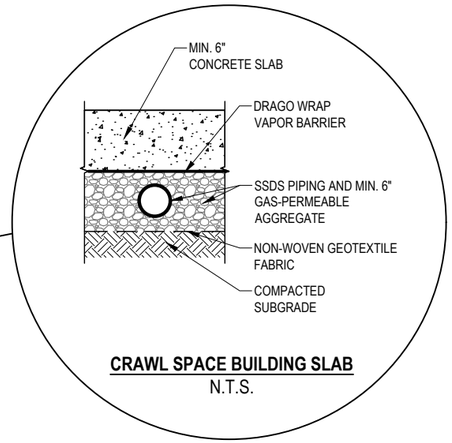
DUAL TRACK 2/TRACK 4 SITE CLEANUP BOUNDARIES

DATE
11/8/2022

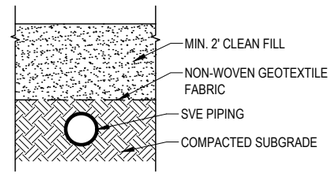
PROJECT NO.
12492

FIGURE
2a

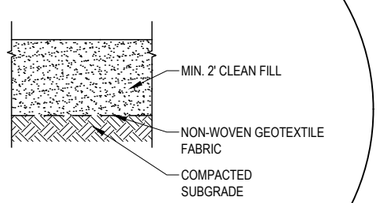




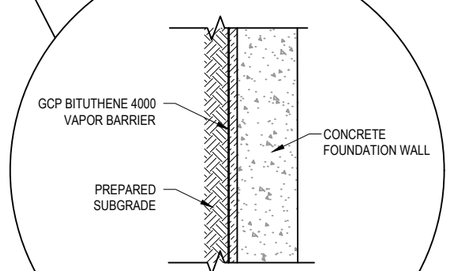
CRAWL SPACE BUILDING SLAB
N.T.S.



SVE SYSTEM AT BREEZEWAY
N.T.S.



COURTYARD
N.T.S.



CONCRETE FOUNDATION WALL
N.T.S.

LEGEND

- PROJECT SITE BOUNDARY
- NYCT ELEVATED SUBWAY TRACKS
- 1 — LOT BOUNDARY
- 4143 — BLOCK NUMBER
- EXTENT OF TRACK 2 REMEDIAL EXCAVATION
- EXTENT OF TRACK 4 REMEDIAL EXCAVATION

0 25 50 100
SCALE IN FEET

Map Source:
- NYCDCP (NYC Dept. of City Planning) GIS database.

AKRF
440 Park Avenue South, New York, NY 10016

Atlantic Chestnut - Lot 1
250 Euclid Avenue
Brooklyn, New York

SITE COVER SYSTEM PLAN

DATE
12/27/2022

PROJECT NO.
12492

FIGURE
2b

 Q:\Projects\12492 - ATLANTIC CHESTNUT - LOT 1\Technical\Hazmat\FER\CAD\12492 Fig 14 Site Cover System Plan.dwg last save: mvelilleux 12/27/2022 8:46 AM

L1-UST-2N_4_20211217: (4-4 FT BGS)	12/17/2021 CONC. (mg/kg)
Semivolatile Organic Compounds	
Benzo(a)Anthracene	5.7
Benzo(a)Pyrene	4.9
Benzo(b)Fluoranthene	6.5
Benzo(k)Fluoranthene	2.8
Chrysene	5.4
Dibenz(a,h)Anthracene	0.87
Indeno(1,2,3-c,d)Pyrene	3.7
Metals	
Copper	96.5
Lead	85.4
Zinc	896

L1-UST-1N_5_20211216: (5-5 FT BGS)	12/16/2021 CONC. (mg/kg)
Volatile Organic Compounds	
Benzene	0.13 JK
Semivolatile Organic Compounds	
Benzo(b)Fluoranthene	1.2
Indeno(1,2,3-c,d)Pyrene	0.62 JK
Metals	
Copper	114
Lead	89.2 J
Zinc	191 JL

L1-UST-1NX_5_20211216: (5-5 FT BGS)	12/16/2021 CONC. (mg/kg)
Volatile Organic Compounds	
Benzene	0.33 JK
Metals	
Copper	73.3
Zinc	194 JL

L1-UST-2B_5_20211217: (5-5 FT BGS)	12/17/2021 CONC. (mg/kg)
Semivolatile Organic Compounds	
Benzo(a)Anthracene	11 D
Benzo(a)Pyrene	9.1 D
Benzo(b)Fluoranthene	13 D
Benzo(k)Fluoranthene	4.7 D
Chrysene	9.9 D
Dibenz(a,h)Anthracene	1.7
Indeno(1,2,3-c,d)Pyrene	6.9
Metals	
Copper	65.8
Lead	74.1
Zinc	1,280

L1-SI-SB-9: (14-15 FT BGS)	12/1/2015 CONC. (mg/kg)
Metals	
Arsenic	27

L1-EP-46X_9_20211229: (9-9 FT BGS)	12/29/2021 CONC. (mg/kg)
Metals	
Copper	50.8

L1-EP-56_3_20220118: (3-3 FT BGS)	1/18/2022 CONC. (mg/kg)
Metals	
Copper	100
Zinc	197

L1-EP-56X_3_20220118: (3-3 FT BGS)	1/18/2022 CONC. (mg/kg)
Metals	
Copper	93.6
Manganese	1,620 J
Zinc	224

L1-EP-55_3_20220118: (3-3 FT BGS)	1/18/2022 CONC. (mg/kg)
Metals	
Copper	75.8
Zinc	343

L1-EP-57_3_20220118: (3-3 FT BGS)	1/18/2022 CONC. (mg/kg)
Semivolatile Organic Compounds	
Indeno(1,2,3-c,d)Pyrene	0.53
Metals	
Copper	219
Lead	99.9
Zinc	219

L1-EP-59_4_20220118: (4-4 FT BGS)	1/18/2022 CONC. (mg/kg)
Semivolatile Organic Compounds	
Indeno(1,2,3-c,d)Pyrene	0.57
Metals	
Copper	159
Zinc	123

L1-UST-2WX_4_20211217: (4-4 FT BGS)	12/17/2021 CONC. (mg/kg)
Semivolatile Organic Compounds	
Benzo(a)Anthracene	4.1
Benzo(a)Pyrene	3.5
Benzo(b)Fluoranthene	5.1
Benzo(k)Fluoranthene	1.8
Chrysene	4
Dibenz(a,h)Anthracene	0.61
Indeno(1,2,3-c,d)Pyrene	2.5
Metals	
Copper	99.4
Lead	72.7
Zinc	575

L1-UST-2W_4_20211217: (4-4 FT BGS)	12/17/2021 CONC. (mg/kg)
Semivolatile Organic Compounds	
Benzo(a)Anthracene	3.1
Benzo(a)Pyrene	2.5
Benzo(b)Fluoranthene	3.9
Benzo(k)Fluoranthene	1.2
Chrysene	2.9
Dibenz(a,h)Anthracene	0.45
Indeno(1,2,3-c,d)Pyrene	2
Metals	
Copper	120
Zinc	328

L1-EP-45_8_20211228: (8-8 FT BGS)	12/28/2021 CONC. (mg/kg)
Volatile Organic Compounds	
Acetone	0.074

L1-UST-2S_4_20211217: (4-4 FT BGS)	12/17/2021 CONC. (mg/kg)
Semivolatile Organic Compounds	
Benzo(a)Anthracene	21 D
Benzo(a)Pyrene	16 D
Benzo(b)Fluoranthene	22 D
Benzo(k)Fluoranthene	7.5
Chrysene	17 D
Dibenz(a,h)Anthracene	2.6
Indeno(1,2,3-c,d)Pyrene	13 D
Metals	
Copper	70.9
Lead	68.7
Zinc	648

L1-UST-2E_4_20211217: (4-4 FT BGS)	12/17/2021 CONC. (mg/kg)
Semivolatile Organic Compounds	
Benzo(a)Anthracene	26 D
Benzo(a)Pyrene	22 D
Benzo(b)Fluoranthene	32 D
Benzo(k)Fluoranthene	10 D
Chrysene	23 D
Dibenz(a,h)Anthracene	3.6
Indeno(1,2,3-c,d)Pyrene	19 D
Metals	
Cadmium	3.1
Copper	208
Lead	181
Mercury	0.19
Zinc	9,320

L1-UST-1B_8_20220125: (8-8 FT BGS)	1/25/2022 CONC. (mg/kg)
Semivolatile Organic Compounds	
Indeno(1,2,3-c,d)Pyrene	0.51 JK
Metals	
Copper	150
Lead	71.3 J
Zinc	242

L1-UST-1BX_8_20220125: (8-8 FT BGS)	1/25/2022 CONC. (mg/kg)
Semivolatile Organic Compounds	
Benzo(a)Anthracene	2.3 J
Benzo(a)Pyrene	2 J
Benzo(b)Fluoranthene	2.8 J
Benzo(k)Fluoranthene	1.1 J
Chrysene	2.2 J
Dibenz(a,h)Anthracene	0.38 J
Indeno(1,2,3-c,d)Pyrene	1.3 JK
Metals	
Copper	173
Lead	124 J
Zinc	254

L1-EP-71_4_20220301: (4-4 FT BGS)	3/1/2022 CONC. (mg/kg)
Metals	
Copper	66.7

L1-EP-70_4_20220301: (4-4 FT BGS)	3/1/2022 CONC. (mg/kg)
Volatile Organic Compounds	
Acetone	0.065
Metals	
Copper	78.1
Zinc	144

L1-UST-1E_5_20211216: (5-5 FT BGS)	12/16/2021 CONC. (mg/kg)
Volatile Organic Compounds	
Benzene	0.17
Metals	
Copper	123

L1-UST-1S_5_20211216: (5-5 FT BGS)	12/16/2021 CONC. (mg/kg)
Volatile Organic Compounds	
Benzene	0.094
Metals	
Copper	154
Lead	89.5
Zinc	128

L1-RDI-SB-11(21-23)20171115: (21-23 FT BGS)	11/15/2017 CONC. (mg/kg)
Volatile Organic Compounds	
Trichloroethylene	16.6 D

L1-RI-SB-11(31-32)20161121: (31-32 FT BGS)	11/21/2016 CONC. (mg/kg)
Volatile Organic Compounds	
Trichloroethylene	2.26 D

Fulton St

Chestnut St

Euclid Ave

4127 4128 4129 4141 4143 4145

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

LEGEND

- BCP SITE BOUNDARY
- 4143 BLOCK NUMBER
- 1 LOT BOUNDARY AND TAX LOT NUMBER
- HOTSPOT/AOC ENDPOINT SAMPLE LOCATION
- SITEWIDE ENDPOINT SAMPLE LOCATION
- UST ENDPOINT SAMPLE LOCATION
- REMEDIAL INVESTIGATION (2016) / REMEDIAL DESIGN INVESTIGATION SOIL BORING LOCATION (2017)
- SUBSURFACE INVESTIGATION SOIL BORING LOCATION (2015)
- EXTENT OF TRACK 4 REMEDIAL EXCAVATION

SOIL

Part 375 Soil Cleanup Objectives (SCOs):
SCOs listed in the New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations (6 NYCRR Part 375).

Exceedances of NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) are presented in bold font.

Exceedances of NYSDEC Restricted Residential Soil Cleanup Objectives(RRSCOs) are presented in red.

mg/kg:milligrams per kilogram = parts per million (ppm)

D: Analyte concentration obtained from dilution.
J: The concentration given is an estimated value.
K: Reported concentration value is proportional to dilution factor and may be exaggerated.
L: Sample result is estimated and biased low.

	PGWSCO mg/kg	RRSCO mg/kg	UUSCO mg/kg
Volatile Organic Compounds			
Acetone	NA	100	0.05
Benzene	NA	4.8	0.06
Trichloroethylene (TCE)	0.47	21	0.47
Semivolatile Organic Compounds			
Benzo(a)Anthracene	NA	1	1
Benzo(a)Pyrene	NA	1	1
Benzo(b)Fluoranthene	NA	1	1
Benzo(k)Fluoranthene	NA	3.9	0.8
Chrysene	NA	3.9	1
Dibenz(a,h)Anthracene	NA	0.33	0.33
Indeno(1,2,3-c,d)Pyrene	NA	0.5	0.5
Metals			
Arsenic	NA	16	13
Cadmium	NA	4.3	2.5
Copper	NA	270	50
Lead	NA	400	63
Manganese	NA	2000	1600
Mercury	NA	0.81	0.18
Zinc	NA	10000	109

NA: Not Applicable; only Chlorinated Volatile Organic Compounds Compared to PGWSCOs.

ft bgs - feet below ground surface

Only concentrations exceeding applicable SCOs are shown.

Sample ID — Sample Date

L1-EP-59_4_20220118: (4-4 FT BGS)	1/18/2022 CONC. (mg/kg)
Semivolatile Organic Compounds	
Indeno(1,2,3-c,d)Pyrene	0.57
Metals	
Copper	159
Zinc	123

Analyte/Compound — Concentration

MICHELLE LAINN — LICENSED PROFESSIONAL ENGINEER — STATE OF NEW YORK

0 15 30 60
SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

Atlantic Chestnut - Lot 1
250 Euclid Avenue
Bronx, New York

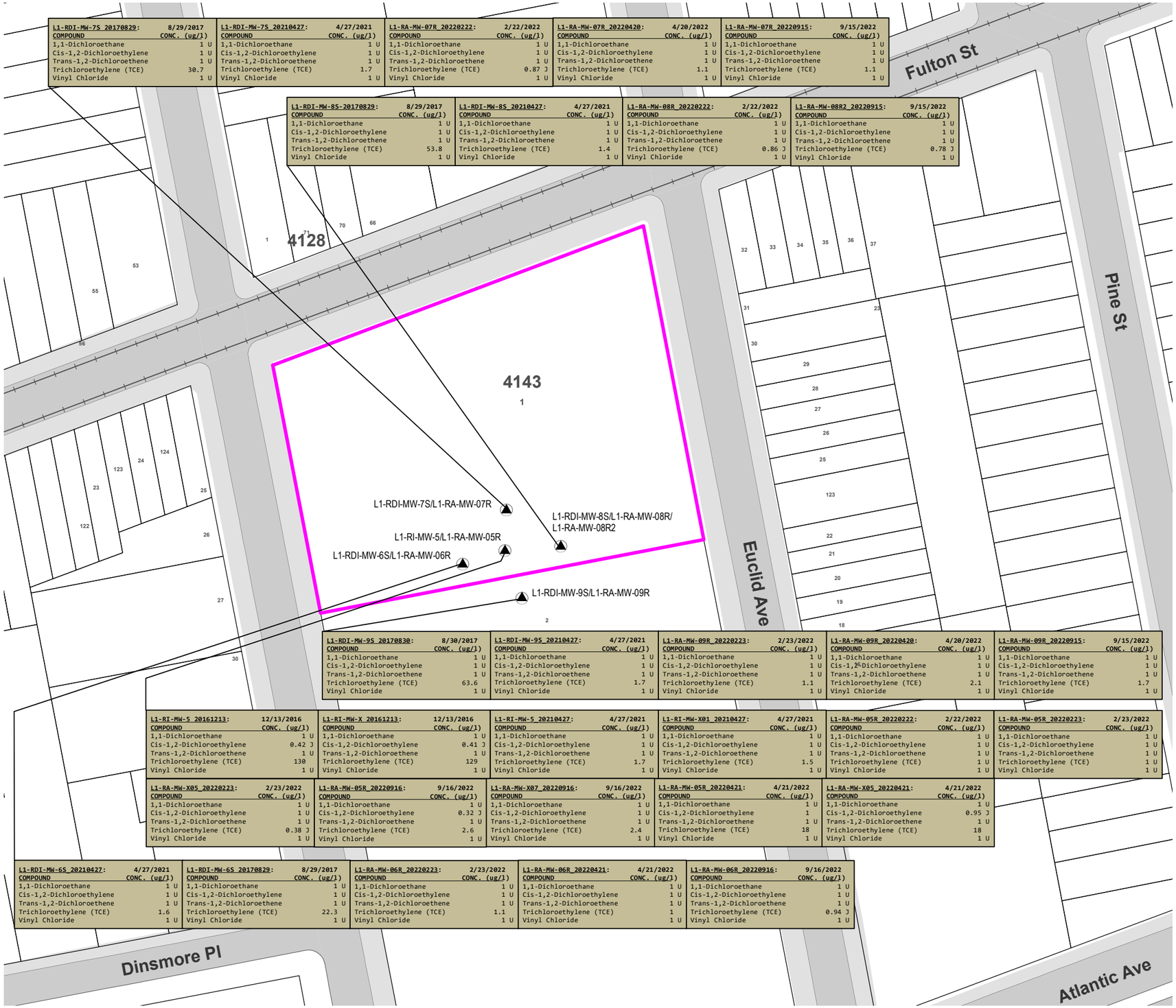
POST-REMEDIAL SOIL CONCENTRATIONS ABOVE NYSDEC, PGWSCOS, UUSCOS AND/OR RRSCOS

DATE
12/8/2022

PROJECT NO.
12492

FIGURE
3

Document Path: O:\Projects\12492 - ATLANTIC CHESTNUT - LOT 1\Technical\GIS and Graphics\Hazmat\FEB\12492 Fig 11 Post-Remedial Soil Concentrations above NYSDEC PGWSCOs UUSCOs and/or RRSCOs.mxd Date Saved: 12/8/2022 10:00:41 AM Author:



L1-RDI-MW-7S 20170829:	8/29/2017
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	30.7
Vinyl Chloride	1 U

L1-RDI-MW-7S 20210427:	4/27/2021
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1.7
Vinyl Chloride	1 U

L1-RA-MW-07R 20220222:	2/22/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	0.87 J
Vinyl Chloride	1 U

L1-RA-MW-07R 20220420:	4/20/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1.1
Vinyl Chloride	1 U

L1-RA-MW-07R 20220915:	9/15/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1.1
Vinyl Chloride	1 U

L1-RDI-MW-8S-20170829:	8/29/2017
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	53.8
Vinyl Chloride	1 U

L1-RDI-MW-8S 20210427:	4/27/2021
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1.4
Vinyl Chloride	1 U

L1-RA-MW-08R 20220222:	2/22/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	0.86 J
Vinyl Chloride	1 U

L1-RA-MW-08R2 20220915:	9/15/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	0.78 J
Vinyl Chloride	1 U

L1-RDI-MW-9S 20170830:	8/30/2017
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	63.6
Vinyl Chloride	1 U

L1-RDI-MW-9S 20210427:	4/27/2021
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1.7
Vinyl Chloride	1 U

L1-RA-MW-09R 20220223:	2/23/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1.1
Vinyl Chloride	1 U

L1-RA-MW-09R 20220420:	4/20/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	2.1
Vinyl Chloride	1 U

L1-RA-MW-09R 20220915:	9/15/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1.7
Vinyl Chloride	1 U

L1-RI-MW-5 20161213:	12/13/2016
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	0.42 J
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	130
Vinyl Chloride	1 U

L1-RI-MW-X 20161213:	12/13/2016
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	0.41 J
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	129
Vinyl Chloride	1 U

L1-RI-MW-5 20210427:	4/27/2021
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1.7
Vinyl Chloride	1 U

L1-RI-MW-X01 20210427:	4/27/2021
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1.5
Vinyl Chloride	1 U

L1-RA-MW-05R 20220222:	2/22/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1 U
Vinyl Chloride	1 U

L1-RA-MW-05R 20220223:	2/23/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1 U
Vinyl Chloride	1 U

L1-RA-MW-X05 20220223:	2/23/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	0.38 J
Vinyl Chloride	1 U

L1-RA-MW-05R 20220916:	9/16/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	0.32 J
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	2.6
Vinyl Chloride	1 U

L1-RA-MW-X07 20220916:	9/16/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	2.4
Vinyl Chloride	1 U

L1-RA-MW-05R 20220421:	4/21/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	18
Vinyl Chloride	1 U

L1-RA-MW-X05 20220421:	4/21/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	0.95 J
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	18
Vinyl Chloride	1 U

L1-RDI-MW-6S 20210427:	4/27/2021
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1.6
Vinyl Chloride	1 U

L1-RDI-MW-6S 20170829:	8/29/2017
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	22.3
Vinyl Chloride	1 U

L1-RA-MW-06R 20220223:	2/23/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1.1
Vinyl Chloride	1 U

L1-RA-MW-06R 20220421:	4/21/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	1
Vinyl Chloride	1 U

L1-RA-MW-06R 20220916:	9/16/2022
COMPOUND	CONC. (ug/l)
1,1-Dichloroethane	1 U
Cis-1,2-Dichloroethylene	1 U
Trans-1,2-Dichloroethene	1 U
Trichloroethylene (TCE)	0.94 J
Vinyl Chloride	1 U

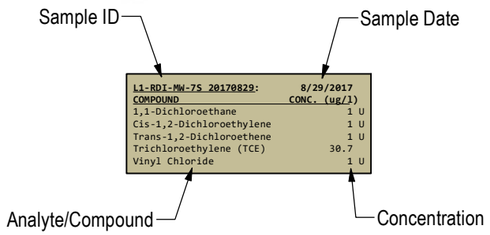
Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

LEGEND

- BCP SITE
- 4143 BLOCK NUMBER
- 1 LOT BOUNDARY AND TAX LOT NUMBER
- MTA RAILROAD ELEVATED
- GROUNDWATER MONITORING WELL

µg/L: micrograms per Liter = parts per billion (ppb)

J: The concentration given is an estimated value.
U:The analyte was not detected.



0 40 80 160
SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

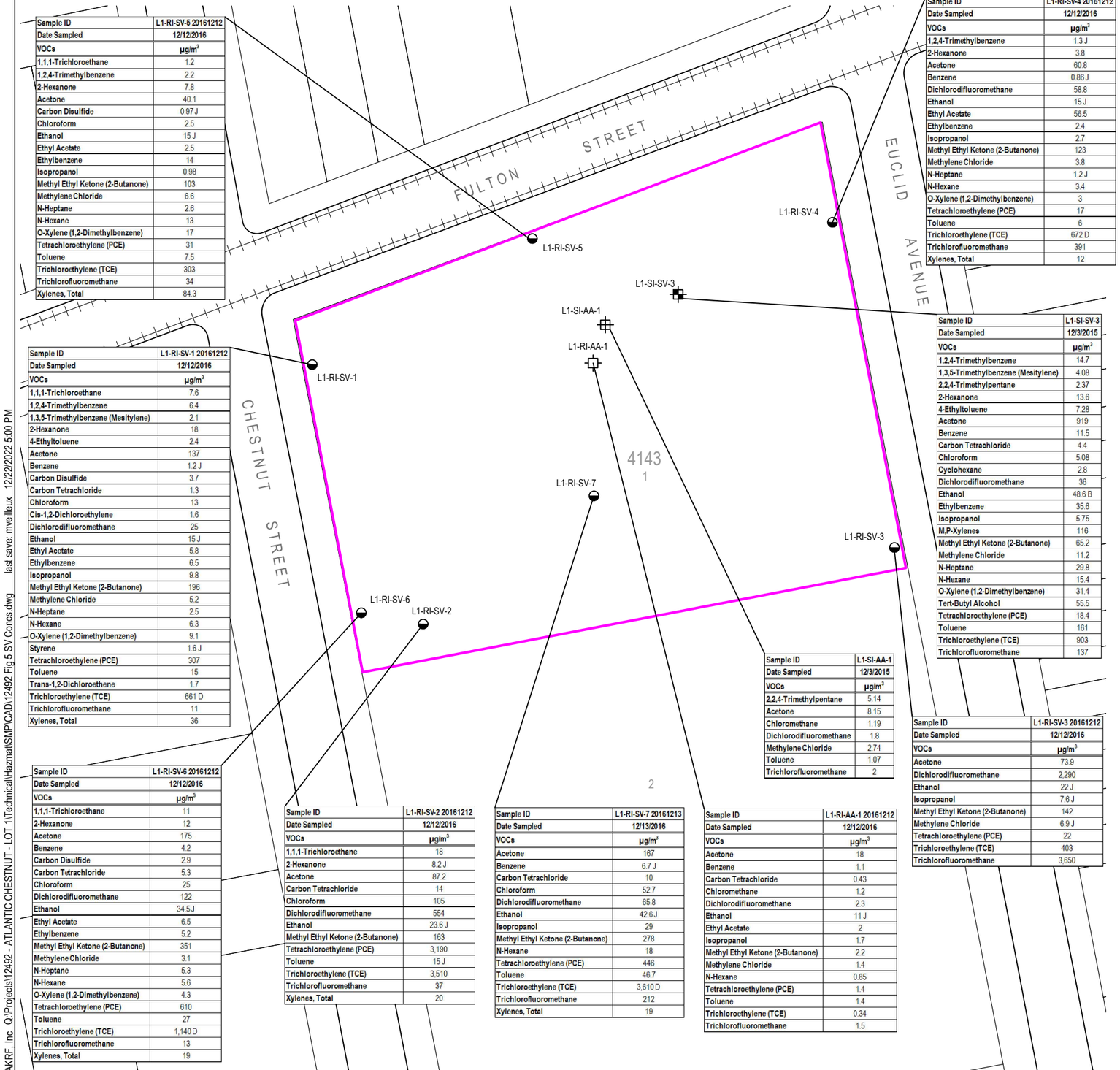
Atlantic Chestnut - Lot 1
250 Euclid Avenue
Brooklyn, New York

TCE DEGRADATION IN PRE-AND POST-REMEDIAL GROUNDWATER

DATE
12/22/2022

PROJECT NO.
12492

FIGURE
4



Sample ID	L1-RI-SV-5 20161212
Date Sampled	12/12/2016
VOCs	µg/m³
1,1,1-Trichloroethane	1.2
1,2,4-Trimethylbenzene	2.2
2-Hexanone	7.8
Acetone	40.1
Carbon Disulfide	0.97 J
Chloroform	2.5
Ethanol	15 J
Ethyl Acetate	2.5
Ethylbenzene	14
Isopropanol	0.98
Methyl Ethyl Ketone (2-Butanone)	103
Methylene Chloride	6.6
N-Heptane	2.6
N-Hexane	13
O-Xylene (1,2-Dimethylbenzene)	17
Tetrachloroethylene (PCE)	31
Toluene	7.5
Trichloroethylene (TCE)	303
Trichlorofluoromethane	34
Xylenes, Total	84.3

Sample ID	L1-RI-SV-4 20161212
Date Sampled	12/12/2016
VOCs	µg/m³
1,2,4-Trimethylbenzene	1.3 J
2-Hexanone	3.8
Acetone	60.8
Benzene	0.86 J
Dichlorodifluoromethane	58.8
Ethanol	15 J
Ethyl Acetate	56.5
Ethylbenzene	2.4
Isopropanol	2.7
Methyl Ethyl Ketone (2-Butanone)	123
Methylene Chloride	3.8
N-Heptane	1.2 J
N-Hexane	3.4
O-Xylene (1,2-Dimethylbenzene)	3
Tetrachloroethylene (PCE)	17
Toluene	6
Trichloroethylene (TCE)	672 D
Trichlorofluoromethane	391
Xylenes, Total	12

Sample ID	L1-RI-SV-1 20161212
Date Sampled	12/12/2016
VOCs	µg/m³
1,1,1-Trichloroethane	7.6
1,2,4-Trimethylbenzene	6.4
1,3,5-Trimethylbenzene (Mesitylene)	2.1
2-Hexanone	18
4-Ethyltoluene	2.4
Acetone	137
Benzene	1.2 J
Carbon Disulfide	3.7
Carbon Tetrachloride	1.3
Chloroform	13
Cis-1,2-Dichloroethylene	1.6
Dichlorodifluoromethane	25
Ethanol	15 J
Ethyl Acetate	5.8
Ethylbenzene	6.5
Isopropanol	9.8
Methyl Ethyl Ketone (2-Butanone)	196
Methylene Chloride	5.2
N-Heptane	2.5
N-Hexane	6.3
O-Xylene (1,2-Dimethylbenzene)	9.1
Styrene	1.6 J
Tetrachloroethylene (PCE)	307
Toluene	15
Trans-1,2-Dichloroethene	1.7
Trichloroethylene (TCE)	661 D
Trichlorofluoromethane	11
Xylenes, Total	36

Sample ID	L1-SI-SV-3
Date Sampled	12/3/2015
VOCs	µg/m³
1,2,4-Trimethylbenzene	14.7
1,3,5-Trimethylbenzene (Mesitylene)	4.08
2,2,4-Trimethylpentane	2.37
2-Hexanone	13.6
4-Ethyltoluene	7.28
Acetone	919
Benzene	11.5
Carbon Tetrachloride	4.4
Chloroform	5.08
Cyclohexane	2.8
Dichlorodifluoromethane	36
Ethanol	48.6 B
Ethylbenzene	35.6
Isopropanol	5.75
M,P-Xylenes	116
Methyl Ethyl Ketone (2-Butanone)	65.2
Methylene Chloride	11.2
N-Heptane	29.8
N-Hexane	15.4
O-Xylene (1,2-Dimethylbenzene)	31.4
Tert-Butyl Alcohol	55.5
Tetrachloroethylene (PCE)	18.4
Toluene	161
Trichloroethylene (TCE)	903
Trichlorofluoromethane	137

Sample ID	L1-SI-AA-1
Date Sampled	12/3/2015
VOCs	µg/m³
2,2,4-Trimethylpentane	5.14
Acetone	8.15
Chloromethane	1.19
Dichlorodifluoromethane	1.8
Methylene Chloride	2.74
Toluene	1.07
Trichlorofluoromethane	2

Sample ID	L1-RI-SV-3 20161212
Date Sampled	12/12/2016
VOCs	µg/m³
Acetone	73.9
Dichlorodifluoromethane	2,290
Ethanol	22 J
Isopropanol	7.6 J
Methyl Ethyl Ketone (2-Butanone)	142
Methylene Chloride	6.9 J
Tetrachloroethylene (PCE)	22
Trichloroethylene (TCE)	403
Trichlorofluoromethane	3,650

Sample ID	L1-RI-SV-6 20161212
Date Sampled	12/12/2016
VOCs	µg/m³
1,1,1-Trichloroethane	11
2-Hexanone	12
Acetone	175
Benzene	4.2
Carbon Disulfide	2.9
Carbon Tetrachloride	5.3
Chloroform	25
Dichlorodifluoromethane	122
Ethanol	34.5 J
Ethyl Acetate	6.5
Ethylbenzene	5.2
Methyl Ethyl Ketone (2-Butanone)	351
Methylene Chloride	3.1
N-Heptane	5.3
N-Hexane	5.6
O-Xylene (1,2-Dimethylbenzene)	4.3
Tetrachloroethylene (PCE)	610
Toluene	27
Trichloroethylene (TCE)	1,140 D
Trichlorofluoromethane	13
Xylenes, Total	19

Sample ID	L1-RI-SV-2 20161212
Date Sampled	12/12/2016
VOCs	µg/m³
1,1,1-Trichloroethane	18
2-Hexanone	8.2 J
Acetone	87.2
Carbon Tetrachloride	14
Chloroform	105
Dichlorodifluoromethane	554
Ethanol	23.6 J
Methyl Ethyl Ketone (2-Butanone)	163
Tetrachloroethylene (PCE)	3,190
Toluene	15 J
Trichloroethylene (TCE)	3,510
Trichlorofluoromethane	37
Xylenes, Total	20

Sample ID	L1-RI-SV-7 20161213
Date Sampled	12/13/2016
VOCs	µg/m³
Acetone	167
Benzene	6.7 J
Carbon Tetrachloride	10
Chloroform	52.7
Dichlorodifluoromethane	65.8
Ethanol	42.6 J
Isopropanol	29
Methyl Ethyl Ketone (2-Butanone)	278
N-Hexane	18
Tetrachloroethylene (PCE)	446
Toluene	46.7
Trichloroethylene (TCE)	3,610 D
Trichlorofluoromethane	212
Xylenes, Total	19

Sample ID	L1-RI-AA-1 20161212
Date Sampled	12/12/2016
VOCs	µg/m³
Acetone	18
Benzene	1.1
Carbon Tetrachloride	0.43
Chloromethane	1.2
Dichlorodifluoromethane	2.3
Ethanol	11 J
Ethyl Acetate	2
Isopropanol	1.7
Methyl Ethyl Ketone (2-Butanone)	2.2
Methylene Chloride	1.4
N-Hexane	0.85
Tetrachloroethylene (PCE)	1.4
Toluene	1.4
Trichloroethylene (TCE)	0.34
Trichlorofluoromethane	1.5

LEGEND

- BCP SITE BOUNDARY
- 1 — LOT BOUNDARY
- 4143 — BLOCK NUMBER
- MTA RAILROAD ELEVATED TRACKS
- SUBSURFACE INVESTIGATION TEMPORARY SOIL VAPOR POINT LOCATION (REMOVED) (2015)
- SUBSURFACE INVESTIGATION AMBIENT AIR SAMPLE LOCATION (REMOVED) (2015)
- REMEDIAL INVESTIGATION TEMPORARY SOIL VAPOR POINT LOCATION (REMOVED)
- REMEDIAL INVESTIGATION AMBIENT AIR SAMPLE LOCATION

Sample ID	L1-RI-SV-3 20161212	← Sample ID
Date Sampled	12/12/2016	← Sample Date
VOCs	µg/m³	
Acetone	73.9	
Dichlorodifluoromethane	2,290	
Ethanol	22 J	
Isopropanol	7.6 J	
Methyl Ethyl Ketone (2-Butanone)	142	
Methylene Chloride	6.9 J	
Tetrachloroethylene (PCE)	22	
Trichloroethylene (TCE)	403	← Concentration
Trichlorofluoromethane	3,650	

Analyte/Compound →

J : The analyte was detected above laboratory reporting limits; the reported concentration is an estimated concentration.

D : The reported concentration is the result of a diluted sample analysis.

B : The method blank has a concentration above the reporting limit for ethanol. The results of the original analysis are reported and are qualified with a "B" for any associated sample concentrations that are less than 10x the blank concentration for this analyte.

µg/m³ : micrograms per cubic meter

0 30 60 120

SCALE IN FEET

Map Source:
- NYCDCP (NYC Dept. of City Planning) GIS database.

AKRF
440 Park Avenue South, New York, NY 10016

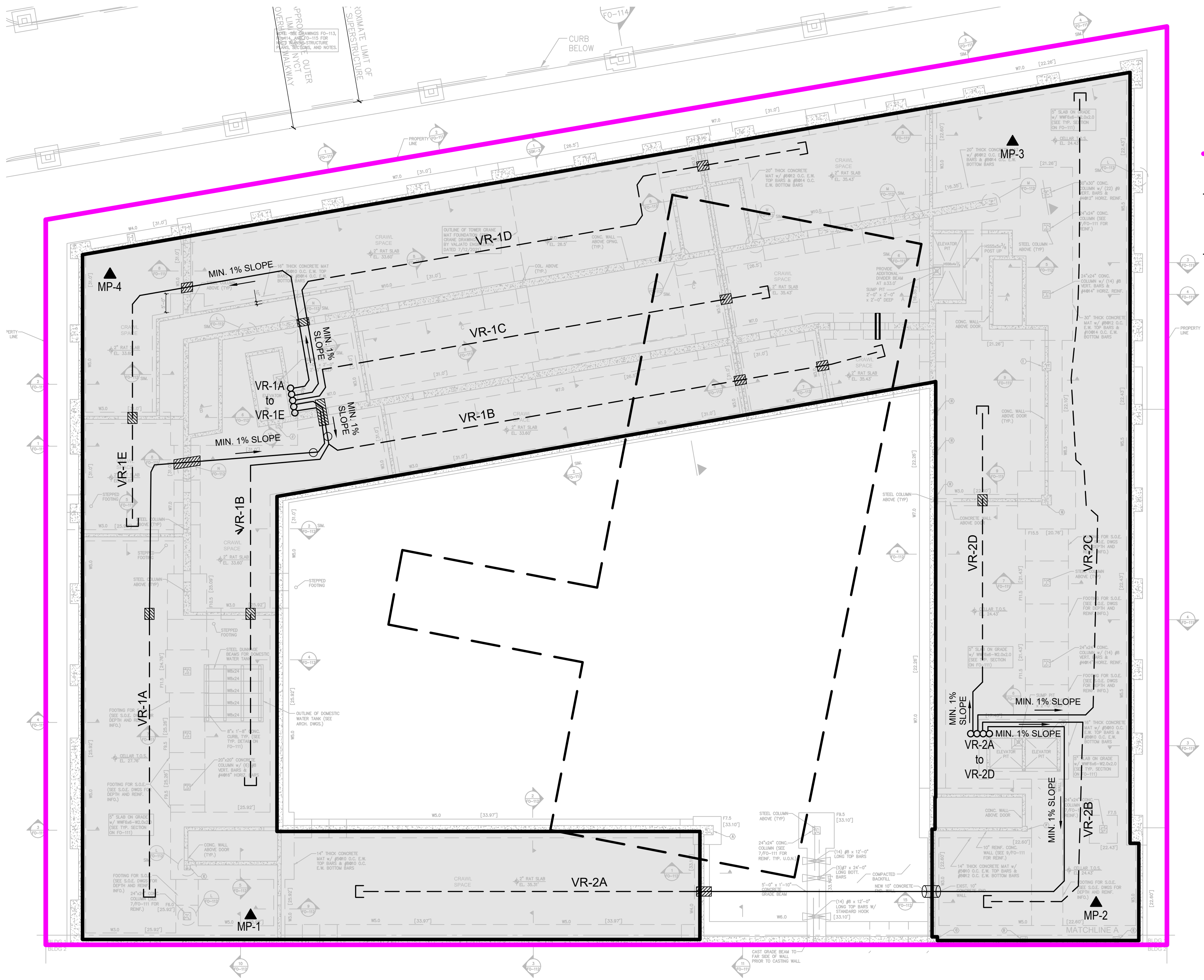
Atlantic Chestnut - Lot 1
250 Euclid Avenue
Brooklyn, New York

PRE-REMEDIAL SOIL VAPOR SAMPLE CONCENTRATIONS

DATE
12/22/2022

PROJECT NO.
12492

FIGURE
5



LEGEND

- SITE BOUNDARY
- 4" Ø SLOTTED SCHEDULE 40 PVC PIPE BENEATH SLAB WITH ENDCAP
- 4" Ø SOLID SCHEDULE 40 PVC PIPE BENEATH SLAB
- PIPE SLEEVE THROUGH FOUNDATION ELEMENT
- COMMUNICATION SLEEVE THROUGH GRADE BEAM
- SONOTUBE THROUGH FOUNDATION ELEMENT
- CONDENSATE DRAIN
- VR-1A — 4" Ø VERTICAL RISER PENETRATION LOCATION WITH ID
- MP-1 — VACUUM MONITORING POINT LOCATION WITH ID
- EXTENT OF GAS PERMEABLE AGGREGATE UNDER SLAB
- EXTERIOR COURTYARD AND BREEZEWAY (NO BUILDING FOUNDATION OR VAPOR BARRIER)
- EXTENT OF VAPOR BARRIER
- MINIMUM 2 FOOT COVER SYSTEM WITH DEMARCATION BARRIER

0 30 60

SCALE: 1" = 30'

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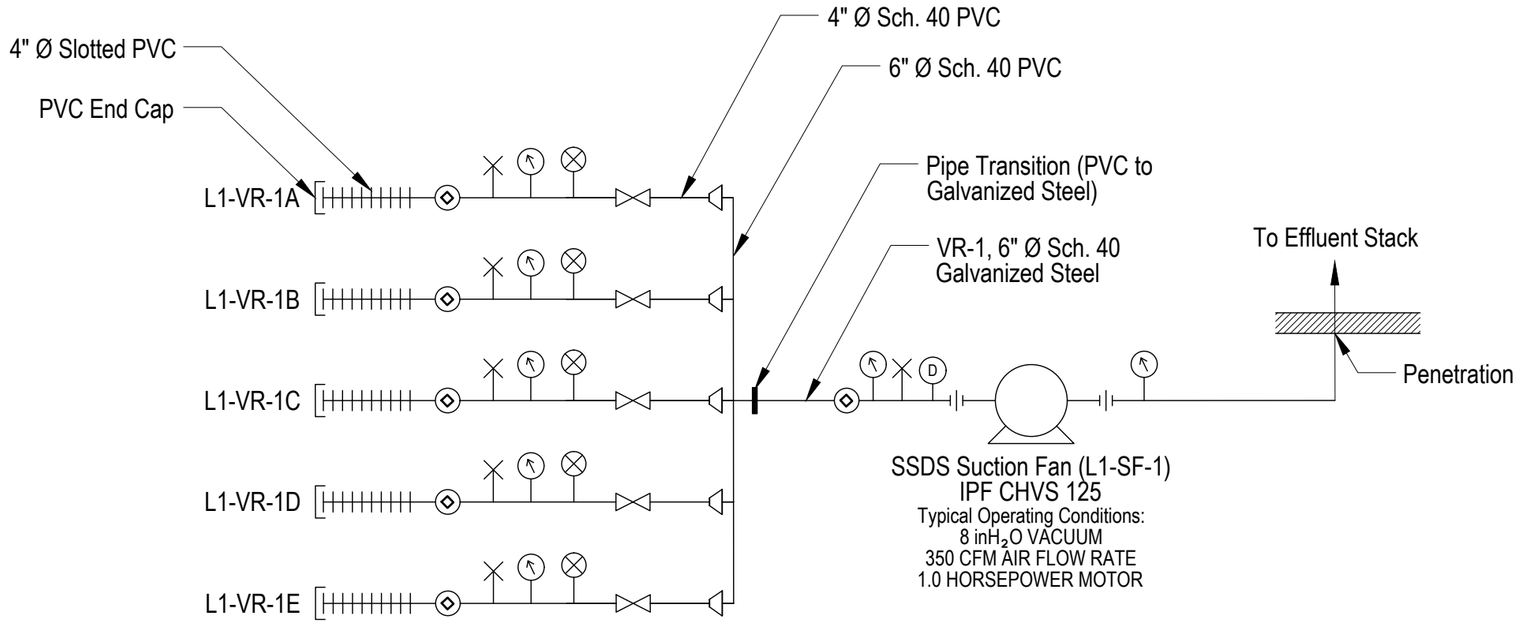
250 Euclid Avenue
Brooklyn, New York

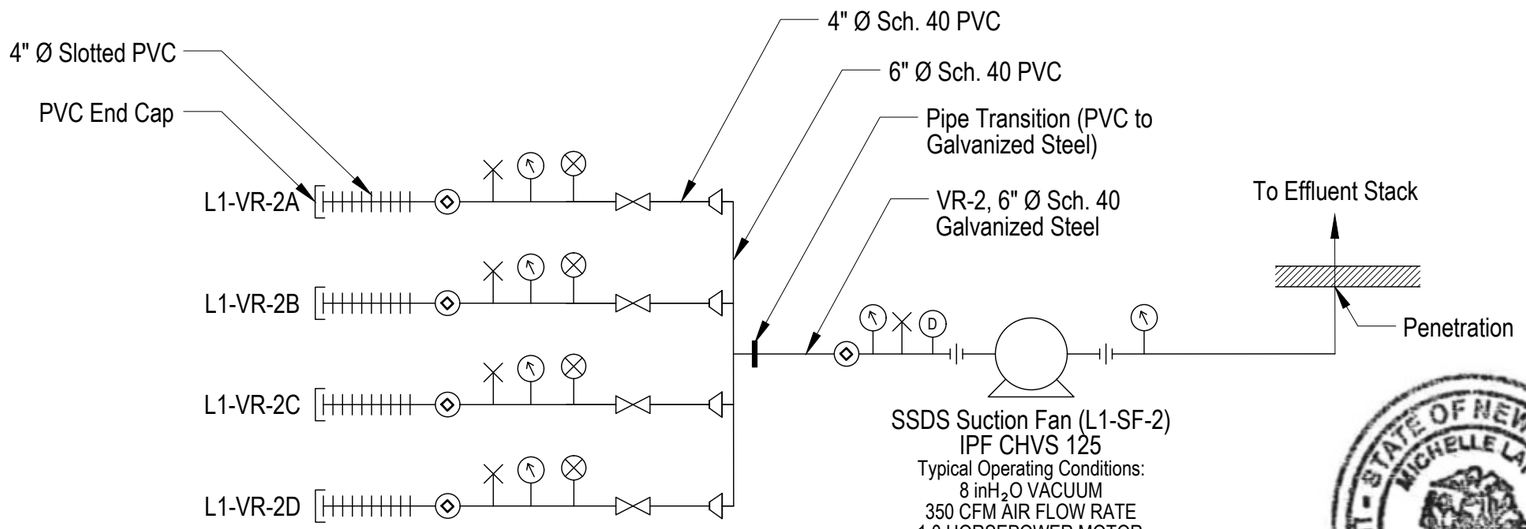
SUB-SLAB DEPRESSURIZATION SYSTEM LAYOUT PLAN

DATE	PROJECT NO.	FIGURE
12/27/2022	12492	6A



LEGEND

- CLEANOUT
- BUTTERFLY VALVE
- VACUUM / PRESSURE GAUGE
- DIFFERENTIAL PRESSURE SWITCH
- SAMPLE PORT
- FLOW METER
- 4" x 6" PVC REDUCER
- UNION



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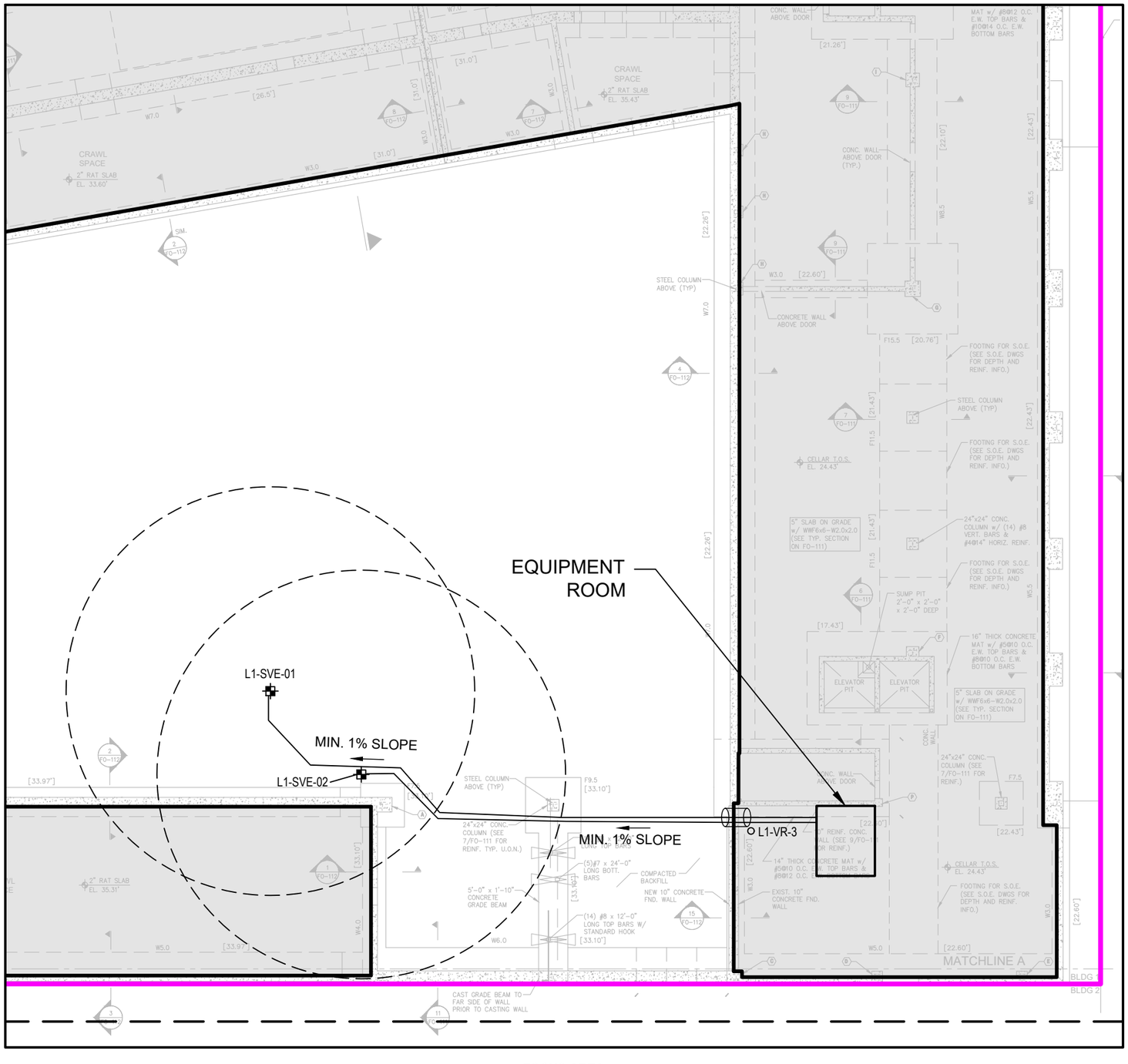
SUB-SLAB DEPRESSURIZATION SYSTEM
PROCESS AND INSTRUMENTATION DIAGRAM

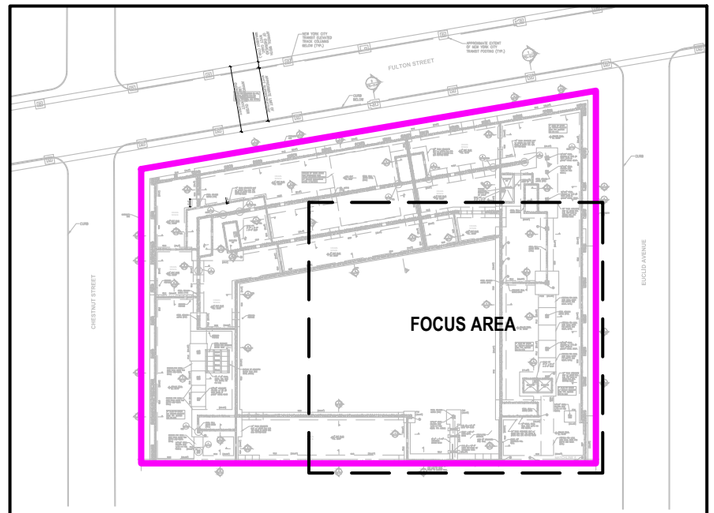
DATE
12/22/2022

PROJECT NO.
12492

FIGURE
6B



FOCUS AREA
SCALE: 1" = 20'



KEY MAP
SCALE: 1" = 100'

LEGEND

- SITE BOUNDARY
- L1-SVE-01 — SOIL VAPOR EXTRACTION WELL WITH ID
- L1-VR-3 — 4" Ø VERTICAL RISER PENETRATION LOCATION WITH ID
- SONOTUBE THROUGH GRADE BEAM
- 4" Ø SOLID SCHEDULE 40 PVC PIPE BENEATH SLAB
- EXTENT OF GAS PERMEABLE AGGREGATE UNDER SLAB
- EXTENT OF VAPOR BARRIER
- SOIL VAPOR EXTRACTION WELL LOCATION WITH 35-FOOT RADIUS OF INFLUENCE

0 20 40
SCALE: 1" = 20'

STATE OF NEW YORK - MICHELLE LAPIN - LICENSED PROFESSIONAL ENGINEER

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Brooklyn, New York

SOIL VAPOR EXTRACTION SYSTEM LAYOUT PLAN

DATE
12/22/2022

PROJECT NO.
12492

FIGURE
7A

Rain Cap

Sub Float Assembly w/ Hi Level Alarm

High Level

Pump on

Pump off

Dilution Line

6" Ø Sch. 40 CPVC

To Effluent Stack

VR-3, 6" Ø Sch. 40 Galvanized Steel

Pipe Transition (CPVC to Galvanized Steel)

From L1-SVE-01

Moisture Separator 120 Gallons

Particulate Filter

Carbon Unit 1

Carbon Unit 2

From L1-SVE-02

4" Ø Slotted PVC

4" Ø Sch. 40 PVC

Transfer Pump

55-Gallon Overflow Drum

SVE Blower
5.5 HP/208 VAC
Three Phase/TEFC
FPZ Model: SCL K07-MS-5.5-3
184 SCFM Maximum Flow @ 14
IWCV VLS Inlet
6 IWC +/- Discharge Pressure

Vapor Phase Carbon Vessels
Radial 300 lbs
4x10 Reactivated Media
85 Gallon

LEGEND

- BUTTERFLY VALVE
- RELIEF VALVE
- VACUUM / PRESSURE GAUGE
- TEMPERATURE GAUGE
- SAMPLE PORT
- FLOW METER
- BLOWER INFLUENT LOW VACUUM SENSOR (WIRED TO CONTROL PANEL)
- BLOWER EFFLUENT HIGH TEMP SENSOR (WIRED TO CONTROL PANEL)
- 4" x 6" PVC REDUCER
- CLEANOUT

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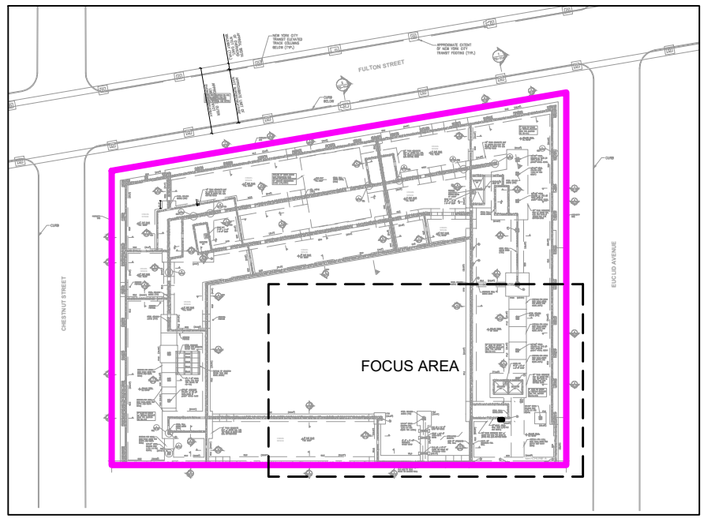
SOIL VAPOR EXTRACTION SYSTEM PROCESS AND INSTRUMENTATION DIAGRAM

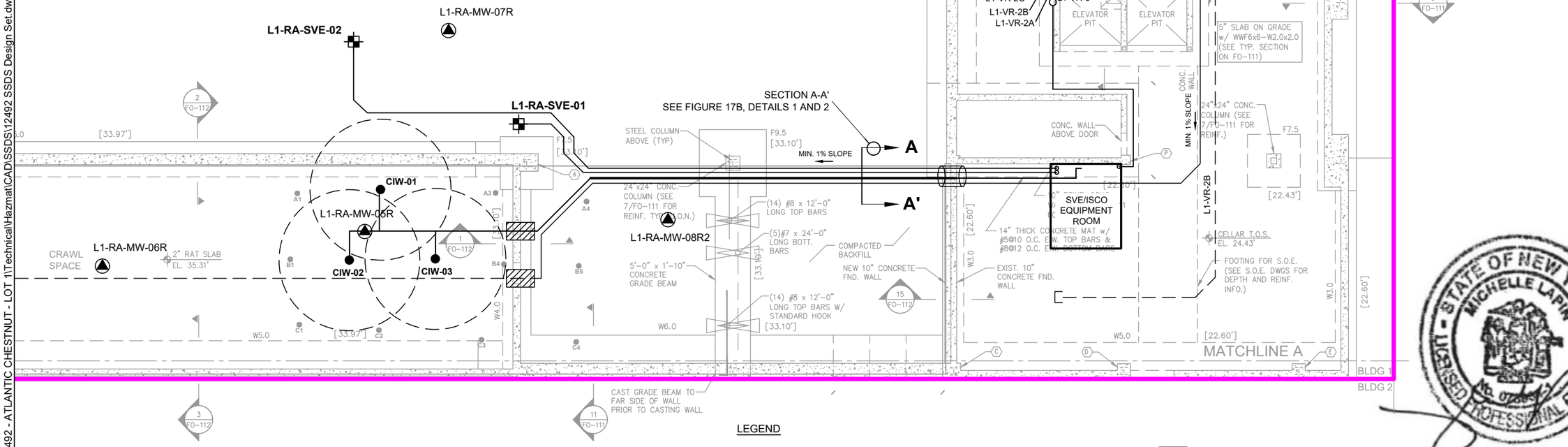
DATE
12/22/2022

PROJECT NO.
12492

FIGURE
7B



KEY MAP
Scale: 1" = 100'



LEGEND

- PROJECT SITE BOUNDARY
- ISCO WELL, WELLHEAD CONNECTION, AND PIPING
- APPROXIMATE ISCO RADIUS OF influence
- GROUNDWATER MONITORING WELL
- PIPE SLEEVE THROUGH FOUNDATION ELEMENT
- SONOTUBE THROUGH FOUNDATION ELEMENT

0 7.5 15 30
SCALE IN FEET

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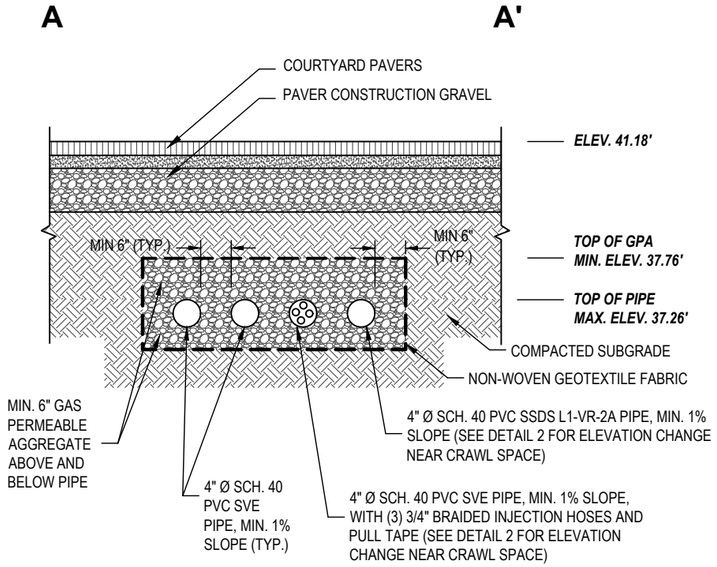
Brooklyn, New York

GROUNDWATER TREATMENT SYSTEM PLAN

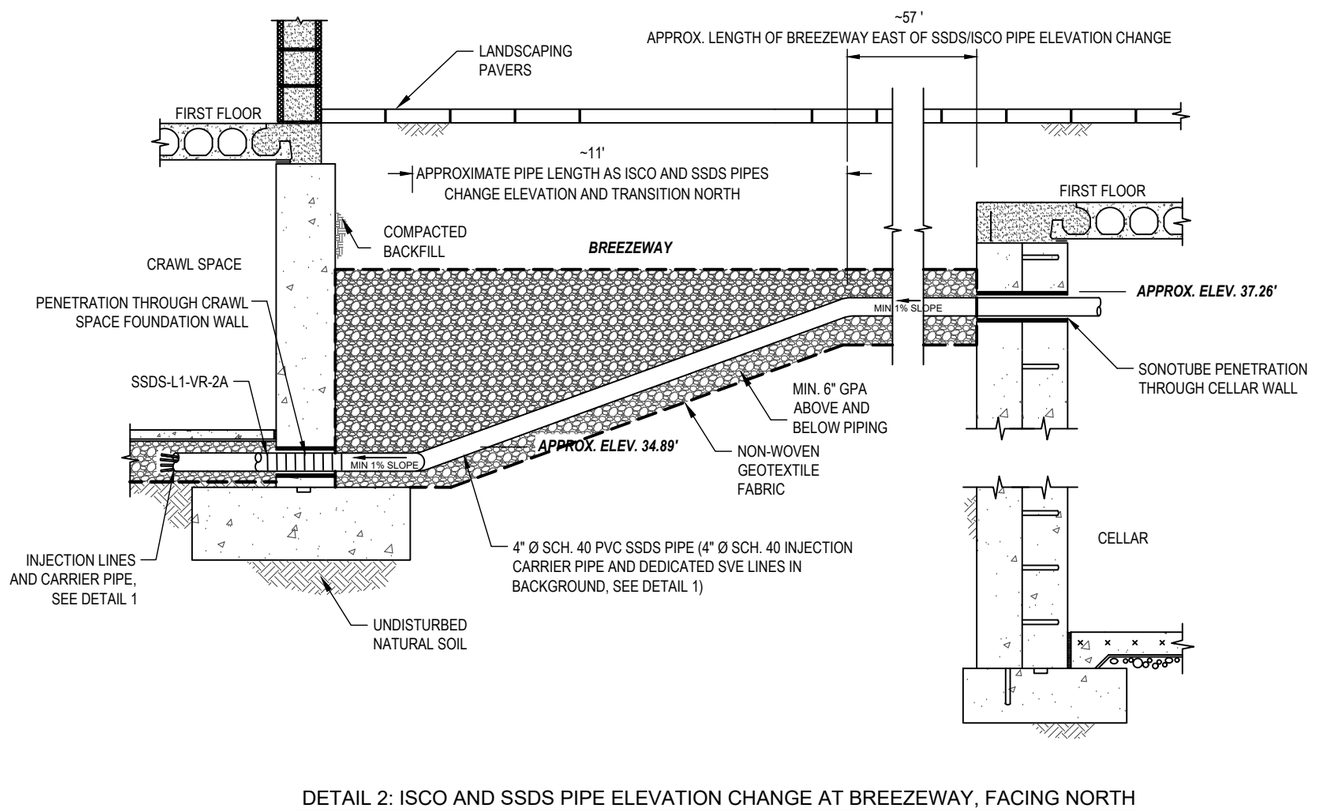
DATE
12/26/2022

PROJECT NO.
12492

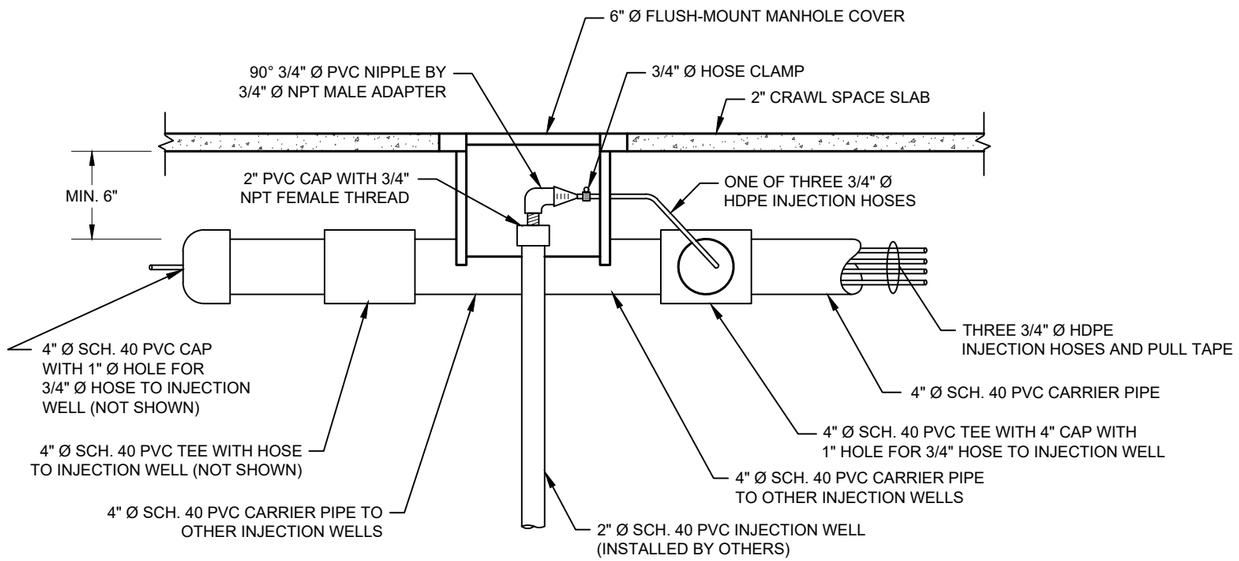
FIGURE
8A



DETAIL 1: TRENCH CROSS SECTION AT BREEZEWAY, FACING EAST
SCALE: NOT TO SCALE



DETAIL 2: ISCO AND SSDS PIPE ELEVATION CHANGE AT BREEZEWAY, FACING NORTH
SCALE: NOT TO SCALE



DETAIL 3: TYPICAL INJECTION WELLHEAD CONNECTION DIAGRAM
SCALE: NOT TO SCALE

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GROUNDWATER TREATMENT PLANT DETAILS

DATE
12/23/2022

PROJECT NO.
12492

FIGURE
8B

APPENDIX C
EXCAVATION WORK PLAN

EXCAVATION WORK PLAN (EWP)

C-1 Notification

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination, the Site owner or their representative will notify the NYSDEC. A full listing of site-related contact information is provided in Tables T2 and T3 in the SMP. Currently, this notification will be made to:

Table C-1
Notifications*

Manfred Magloire NYSDEC DER Project Manager	(718) 482-4078 / manfred.magliore@dec.ny.gov
Cris-Sandra Maycock, P.E. NYSDEC DER Section Chief	(718) 482-4679 / cris-sandra.maycock@dec.ny.gov
Kelly Lewandowski, NYSDEC Site Control	(518) 402-9569 / kelly.lewandowski@dec.ny.gov

* Note: Notifications are subject to change and will be updated as necessary.

This notification will include:

1. A detailed description of the work to be performed, including the location and areal extent, plans for site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control;
2. A summary of environmental conditions anticipated in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
3. A schedule for the work, detailing the start and completion of all intrusive work;
4. A summary of the applicable components of this EWP;
5. A statement that the work will be performed in compliance with this EWP and 29 Code of Federal Regulations (CFR) 1910.120;
6. A copy of the contractor's health and safety plan, in electronic format, if it differs from the HASP provided in the Site Management Plan (SMP);
7. Identification of disposal facilities for potential waste streams; and
8. Identification of sources of any anticipated backfill, along with all required chemical testing results.

The New York State Department of Environmental Conservation (NYSDEC) project manager will review the notification and may impose additional requirements for the excavations that are not listed in this EWP.

C-2 Soil Screening Methods

Visual, olfactory, and instrument-based soil screening will be performed by a qualified environmental professional during all remedial and development excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed regardless of when the invasive work is done and will include all excavation and invasive work

performed during development, such as excavations for foundations and utility work, after issuance of the Certificate of Completion (CoC).

Soil will be segregated based on previous environmental data and screening results into material that requires off-site disposal, material that requires testing, material that can be returned to the subsurface, and material that can be used as cover soil. Further discussion of off-site disposal of materials and on-site reuse is provided in Sections C-6 and C-7 of this EWP.

C-3 Stockpile Methods

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected, and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by NYSDEC.

C-4 Materials Excavation and Load Out

A qualified environmental professional or person under their supervision will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and its contractors are solely responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the Site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under this SMP is posed by utilities or easements on the Site. A Site utility stakeout will be completed for all utilities prior to any ground intrusive activities at the Site.

Loaded vehicles leaving the Site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements).

A truck wash will be operated on-site if deemed appropriate by NYSDEC. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the site until the activities performed under this section are complete.

Locations where vehicles enter or exit the Site shall be inspected daily for evidence of off-site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the Site are clean of dirt and other materials derived from the Site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

C-5 Materials Transport Off-Site

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Material transported by trucks exiting the Site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

All trucks will be washed prior to leaving the Site. Truck wash waters will be collected and disposed of off-site in an appropriate manner.

Truck transport routes are described as follows:

- For Trucks Heading North and South: Head west on Atlantic Avenue and turn right onto the Brooklyn-Queens Expressway east (to head north) or turn left onto the Brooklyn-Queens Expressway west (to head south).

This is the most appropriate route and considers: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; (f) overall safety in transport; and (g) community input.

All trucks loaded with Site materials will exit the vicinity of the Site using these truck routes; however, the truck route is subject to change depending on available truck routes at the time of the work (pending road closures, etc.), and trucking company input related to the allowable truck routes.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project Site. Egress points for truck and equipment transport from the Site will be kept clean of dirt and other materials during site remediation and development.

Queuing of trucks will be performed on-site to the extent practicable to minimize off-site disturbance. Off-site queuing will be prohibited.

C-6 Materials Disposal Off-Site

All soil/fill/solid waste excavated and removed from the Site will be treated as hazardous waste (unless determined otherwise via a NYSDEC Division of Materials Management-issued Contained-In Determination), contaminated, and regulated material and will be transported and disposed in accordance with all local, State (including 6 NYCRR Part 360) and Federal regulations. If disposal of soil/fill from this Site is proposed for unregulated off-site disposal (i.e., clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC. Unregulated off-site management of materials from this Site will not occur without formal NYSDEC approval.

Off-site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e., hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, Construction and Demolition (C&D) debris recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-site will be handled, at minimum, as a Municipal Solid Waste per 6 NYCRR Part 360-1.2. Material that does not meet Track 1 unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6 NYCRR Part 360-16 Registration Facility).

C-7 Materials Reuse On-Site

The qualified environmental professional as defined in 6 NYCRR Part 375 will ensure that procedures defined for materials reuse in this SMP are followed and that unacceptable material (i.e., contaminated) does not remain on-site. Contaminated on-site material, including historic fill and contaminated soil, that is acceptable for reuse on-site will be placed below the demarcation

layer or impervious surface, and will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines.

Proposed materials for reuse on-site must be sampled for full suite analytical parameters, including per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane. The sampling frequency will be in accordance with DER-10 Table 5.4(e)10 unless prior approval is obtained from the NYSDEC project manager for modification of the sampling frequency. The analytical results of soil/fill material testing must meet the Site use criteria presented in NYSDEC DER-10 Appendix 5 – Allowable Constituent Levels for Imported Fill or Soil for all constituents listed, and the NYSDEC Sampling, Analysis, and Assessment of PFAS June 2021 guidance values. Approvals for modifications to the analytical parameters must be obtained from the NYSDEC project manager prior to the sampling event.

Soil/fill material for reuse on-site will be segregated and staged as described in Sections C-2 and C-3 of this EWP. The anticipated size and location of stockpiles will be provided in the 15-day notification to the NYSDEC project manager. Stockpile locations will be based on the location of Site excavation activities and proximity to nearby Site features. Material reuse on-site will comply with requirements of NYSDEC Division of Environmental Remediation (DER)-10 Section 5.4(e)4. Any modifications to the requirements of DER-10 Section 5.4(e)4 must be approved by the NYSDEC project manager.

Any demolition material proposed for reuse on-site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-site will not be performed without prior NYSDEC approval. Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the site will not be reused on-site.

C-8 Fluids Management

All liquids to be removed from the Site, including excavation dewatering, and groundwater monitoring well purge and development waters, will be handled, transported, and disposed in accordance with applicable local, State, and Federal regulations. Dewatering, purge, and development fluids will not be recharged back to the land surface or subsurface of the site but will be managed off-site.

Discharge of water generated during large-scale construction activities to surface waters (i.e., a local pond, stream, or river) will be performed under a SPDES permit.

C-9 Cover System Restoration

After the completion of soil removal and any other invasive activities the cover system will be restored in a manner that complies with this SMP and the CoC. An appropriate demarcation layer will be replaced to provide a visual reference to the top of the 'Remaining Contamination Zone', the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in this SMP. If the type of cover system changes from that which exists prior to the excavation (i.e., a soil cover is replaced by asphalt), this will constitute a modification of the cover element of the remedy and the upper surface of the 'Remaining Contamination'. A figure showing the modified surface will be included in the subsequent PRR and in any updates to the SMP.

C-10 Backfill from Off-Site Sources

All materials proposed for import onto the Site will be approved by the qualified environmental professional and will follow provisions in this SMP prior to receipt at the Site. A Request to Import/Reuse Fill or Soil form, which can be found at http://www.dec.ny.gov/regulations/67386.html, will be prepared and submitted to the NYSDEC project manager, allowing a minimum of 5 business days for review. A copy of the form is presented in Appendix F of the SMP.

Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the Site.

All imported soils will meet the backfill and cover soil quality standards established in 6 NYCRR 375-6.7(d). Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria, the resulting soil quality standards to be used at the Site are listed in Table 1 (included in Section 1 of this SMP). Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this Site, will not be imported onto the Site without prior approval by NYSDEC. Solid waste will not be imported onto the Site.

Trucks entering the Site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

C-11 Stormwater Pollution Prevention

Barriers and hay bales will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by NYSDEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed as required to keep the barriers and hay bales functional.

All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials.

Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the SMP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

C-12 Contingency Plan

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition.

Sampling will be performed on product, sediment, and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for full a full list of analytes (TAL metals, TCL volatiles and semi-volatiles, TCL pesticides and PCBs), unless the Site history and previous sampling results provide a sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone to NYSDEC's Project Manager. Reportable quantities of petroleum product will be reported to the NYSDEC spills hotline. These findings will be also included in the periodic reports prepared pursuant to Section 7 of the SMP.

C-13 Community Air Monitoring Plan

During any excavation activity initiated under the SMP, air monitoring will be conducted in accordance with the Community Air Monitoring Plan (CAMP) included in Appendix G of this SMP. Work zone monitoring will be performed for the health and safety of workers during interior intrusive work activities in accordance with action levels and guidance outlined in the Site-specific HASP. In summary, CAMP calls for real-time monitoring for VOCs and particulates (i.e., dust) at

the downwind perimeter of each designated work area when intrusive activities are in progress at the Site. Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas. Continuous monitoring is required for all ground intrusive activities to the extent practicable (e.g., air monitoring may not be conducted during precipitation events).

VOC and particulate monitoring equipment will consist of a photoionization detector (PID) capable of detecting the VOCs found in the excavated soil and real-time aerosol or particulate monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM_{10}). VOC monitoring equipment will be calibrated and the particulate monitoring equipment zeroed on a daily basis and documented in a dedicated field logbook. Both VOC and particulate monitoring equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the prescribed action levels.

If VOC monitoring results in the ambient air concentration of total organic vapors in excess of 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases below 5 ppm over background, work activities can resume with measures taken to reduce vapors and continue monitoring. If total organic vapor levels persist at levels more than 5 ppm over background, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. If the organic vapor level is repeatedly over 25 ppm above background, activities will be shut down and the engineering controls and the Site work plan re-evaluated.

If particulate monitoring results in a 15-minute average concentration measurement that is between 100 micrograms per cubic meter $\mu g/m^3$ and 150 $\mu g/m^3$ above the background level, additional dust suppression techniques will be implemented to reduce the generation of fugitive dust and corrective action taken to protect Site personnel and reduce the potential for contaminant migration. Should dust suppression measures being utilized not lower particulates to an acceptable level (e.g., below 150 $\mu g/m^3$ above the background level, and no visible dust from the work area), work will be suspended until appropriate corrective measures are implemented to remedy the situation.

Details regarding work zone and community air monitoring are outlined in the HASP attached in Appendix G. Exceedances of action levels listed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers.

C-14 Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures

When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of ECs such as vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

- If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 part per million, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be pre-determined). Background readings in the occupied spaces must be taken prior to commencement of the planned work.

Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.

- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 micrograms per cubic meter ($\mu g/m^3$), work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 $\mu g/m^3$ or less at the monitoring point.
- Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Response levels and actions should be pre-determined, as necessary, for each site.

C-15 Special Requirements for Indoor Work with Co-Located Residences or Facilities

Unless a self-contained, negative-pressure enclosure with proper emission controls will encompass the work area, all individuals not directly involved with the planned work must be absent from the room in which the work will occur. Monitoring requirements shall be as stated above under "Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures" except that in this instance "nearby/occupied structures" would be adjacent occupied rooms. Additionally, the location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, should be understood and the monitoring locations established accordingly. In these situations, it is strongly recommended that exhaust fans or other ECs be used to create negative air pressure within the work area during remedial activities. Additionally, it is strongly recommended that the planned work be implemented during hours (e.g., weekends or evenings) when building occupancy is at a minimum.

C-16 Odor Control Plan

This odor control plan is capable of controlling emissions of nuisance odors off-site. Specific odor control methods to be used on a routine basis will include (a) through (f), as outlined in the following paragraph. If nuisance odors are identified at the Site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the property owner's QEP, and any measures that are implemented will be discussed in the Periodic Review Report.

All necessary means will be employed to prevent on- and off-site nuisances. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-site disposal; (e) use of chemical odorants in spray or misting systems; and (f) use of staff to monitor odors in surrounding neighborhoods.

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-site conditions or proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting/filtering systems.

C-17 Dust Control Plan

Particulate monitoring must be conducted according to the CAMP provided in Section C-13. If particulate levels at the Site exceed the thresholds listed in the CAMP or if airborne dust is observed on the Site or leaving the Site, the dust suppression techniques listed below will be employed. The remedial party will also take measures listed below to prevent dust production on the Site.

A dust suppression plan that addresses dust management during invasive on-Site work will include, at a minimum, the following items:

1. Dust suppression will be achieved by a dedicated on-site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
2. Clearing and grubbing of larger Sites will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.
3. Gravel will be used on unpaved roadways to provide a clean and dust-free road surface.
4. On-site roads will be limited in total area to minimize the area required for water truck sprinkling.

C-18 Other Nuisances

A plan for rodent control will be developed and utilized by the contractor prior to and during Site clearing and Site grubbing, and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.