FORMER CHESEBROUGH MANUFACTURING SITE

46 VERONA STREET
BROOKLYN, NEW YORK

Remedial Investigation Report

NYSDEC BCP Number: C224302
AKRF Project Number: 200283.11

Prepared for:

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Acronym	Definition
111-TCA	1,1,1-trichloroethane
AGV	Air Guidance Value
AST	aboveground storage tank
AWQSGV	Ambient Water Quality Standards and Guidance Values
BCP	Brownfield Cleanup Program
BTEX	benzene, ethylbenzene, toluene, and xylenes
CAMP	Community Air Monitoring Plan
CoC	chain of custody
COC	contaminants of concern
CVOC	chlorinated volatile organic compounds
DER-10	Division of Environmental Remediation Technical Guide 10
DOT	Department of Transportation
DPP	direct-push probe
DUSR	Data Usability Summary Reports
EC	Engineering Control
ELAP	Environmental Laboratory Accreditation Program
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
eV	electron volt
GPR	ground penetrating radar
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IC	Institutional Control
IDW	investigation-derived waste
MEK	2-butanone
mg/kg	milligram per kilogram
MS/MSD	matrix spike/matrix spike duplicate
MTA	Metropolitan Transportation Authority
NAPL	non-aqueous phase liquid
NAVD88	National American Vertical Datum of 1988
ng/L	nanograms per liter
NTU	nephelometric turbidity unit
NY	New York
NYCDOB	New York City Department of Buildings
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OSHA	Occupational Safety and Health Administration
P.E.	Professional Engineer
PAH	polycyclic aromatic hydrocarbon

Acronym	Definition
PCB	polychlorinated biphenyl
PCE	tetrachloroethylene
PFAS	per- and polyfluoroalkyl substances
PGWSCO	Protection of Groundwater Soil Cleanup Objective
PID	photoionization detector
PPE	personal protective equipment
ppm	parts per million
ppt	parts per trillion
PVC	polyvinyl chloride
QA/QC	quality assurance/quality control
QAPP	Quality Assurance Project Plan
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
RAWP	Remedial Action Work Plan
REC	recognized environmental condition
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RRSCO	Restricted Residential Soil Cleanup Objective
SCO	Soil Cleanup Objective
SIM	selective ion monitoring
SIR	Subsurface Investigation Report
SVOC	semivolatile organic compound
TAL	Target Analyte List
TBA	tert butyl alcohol
TCE	trichloroethylene
TOGS	Technical and Operational Guidance Series
UST	underground storage tank
UUSCO	Unrestricted Use Soil Cleanup Objective
VOC	volatile organic compound
µg/L	microgram per liter
µg/kg	microgram per kilogram
$\mu g/m^3$	microgram per cubic meter

CERTIFICATION

I, Marc S. Godick, certify that I am currently a Qualified Environmental Professional (QEP), as defined in 6 New York City Codes, Rules and Regulations Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plans, work plan addenda, and any DER-approved modifications.

Marc S. Godick, QEP	6/20/2023	
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

This Remedial Investigation Report (RIR) provides information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation. The Remedial Investigation (RI) described in this RIR is consistent with applicable guidance. In November 2022, a Brownfield Cleanup Program (BCP) Application was submitted to the New York State Department of Environmental Conservation (NYSDEC) on behalf of the New York City School Construction Authority (NYCSCA) (the Applicant) to investigate and remediate the Site under the Brownfield Cleanup Program (BCP). The Site was enrolled in the BCP under Site No. C224302, and the Brownfield Cleanup Agreement (BCA) between NYSDEC and the NYCSCA was executed on May 1, 2023 (Index No. C224302-02-23). The previous BCA executed between the NYSDEC and 35 Delevan Owners, LLC, a former Site owner, was terminated on July 31, 2022. The work summarized in this RIR was conducted in general accordance with the NYSDEC-approved October 2020 Remedial Investigation Work Plan (RIWP) prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) on behalf of 35 Delevan Owners, LLC.

Site Location and Current Usage

The Former Chesebrough Manufacturing Site is located at 46 Verona Street in the Red Hook section of Brooklyn, New York (hereafter referred to as the "Site"), and is currently identified as Block 523, Lot 1 on the Borough of Brooklyn Tax Map. Historically, the Site was comprised of Block 523, Lots 1 and 13R; however, a tax lot merger was approved by the New York City Department of Finance (NYCDOF) in June 2022 merging the two lots into Lot 1. The approximately 1.38-acre Site consists of a vacant, concrete-paved area in the western portion of the lot, and an approximately 23,500-square foot, one-story vacant warehouse with a small partial basement and an adjacent gravel-covered area that formerly contained a cellular telephone tower in the eastern portion of the lot. The Site is currently zoned R6 (residential) and is not located within a New York State Environmental Zone (En-Zone), based on the latest 2022 En-Zone boundaries map. The Site location is shown on Figure 1, and a Site Plan is provided as Figure 2.

Surrounding Area

The Site is bounded to the north by Delavan Street, followed by warehouses; to the south by Verona Street, followed by a New York City public park (Coffey Park); to the east by an apartment building; and to the west by Richards Street, followed by warehouses. The greater surrounding area includes primarily industrial/warehouse uses, with some commercial, institutional, and residential properties located south and east of the Site.

The nearest sensitive receptors (i.e., schools, daycares, or hospitals) include Red Hook Neighborhood School, located approximately 800 feet southeast of the Site at 27 Huntington Street, and Public School 15 (Patrick F. Daly School), located approximately 1,200 feet southwest of the Site at 71 Sullivan Street.

Historical Site Uses

Historically, the entire Site was developed with a Vaseline factory operated by Chesebrough Manufacturing Company between 1886 and 1904, with two large oil tanks in the northern portion of the current warehouse footprint and a third large oil tank along the southeastern property boundary. The eastern portion of the Site was later occupied by Arthur Tickle Engineering Works (ship repair/marine services) between 1915 and 1986, occupying the current warehouse building by 1938. The warehouse contained a machine shop between 1938 and 2007, and was most recently used as a lumber yard. The western portion of the Site contained unspecified manufacturing between 1915 and 1938, was used for steel plate storage between 1950 and 1980, and consisted of a vacant lot used for trailer parking between 1981 and 2007. Historic records also indicate use by Ferrite Chemical Products and potential storage of construction and demolition debris in the western half of the Site.

The Site, which is currently vacant, has been owned by the New York City School Construction Authority (NYCSCA) since May 26, 2022.

Contaminants of Concern

Based on the Site's history and previous environmental investigations, the contaminants of concern for the Site include petroleum-related volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and metals in soil; petroleum-related VOCs in groundwater; and chlorinated solvent-related and petroleum-related VOCs in soil vapor.

Summary of the Work Performed under the Remedial Investigation

The RI included the following scope of work:

1. Two geophysical surveys across accessible portions of the Site to investigate the potential presence of underground storage tanks (USTs) and/or buried aboveground storage tanks (ASTs) from past on-site uses, and to clear boring locations of underground utilities.
2. The advancement of 36 soil borings (RI-SB-01 through RI-SB-17, RI-SB-25 through RI-SB-33, RI-SB-05A, RI-SB-09N1, RI-SB-09N2, RI-SB-09-N3, RI-SB-09E1, RI-SB-09E2, RI-SB-09-E3, RI-SB-09W1, RI-SB-09W2, and RI-SB-09-W3) and collection of 120 soil samples [plus associated quality assurance/quality control (QA/QC) samples] for laboratory analysis. Of the 120 soil samples collected, 55 samples were analyzed for VOCs by United States Environmental Protection Agency (EPA) Method 8260, semivolatile organic compounds (SVOCs) by EPA Method 8270, pesticides by EPA Method 8081, polychlorinated biphenyls (PCBs) by EPA Method 8082, Target Analyte List (TAL) metals by EPA Method 6000/7000 series, hexavalent chromium by EPA Method 7196A, cyanide by EPA Method 9012, and emerging contaminants [1,4-dioxane by EPA Method 8270 and per- and polyfluoroalkyl substances (PFAS) by EPA Method 537 (modified)]; 14 samples were analyzed for VOCs and SVOCs by EPA Methods 8260 and 8270, respectively; 8 samples were analyzed for VOCs by EPA Method 8260; and 43 samples were analyzed for total and Toxicity Characteristic Leaching Procedure (TCLP) lead. In addition to the soil borings, two sediment/fill samples (RI-SED-01 and RI-SED-02) were collected from the bottom of two drainage structures. The sediment/fill samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, pesticides by EPA Method 8081, TAL metals by EPA Method 6000/7000 series, hexavalent chromium by EPA Method 7196A, and cyanide by EPA Method 9012. Based on total metals concentrations, some of the soil and sediment/fill samples were additionally analyzed for leachable arsenic, chromium, lead, and/or mercury by the EPA TCLP method.
3. The installation of nine 2-inch diameter permanent groundwater monitoring wells (RI-MW-01, RI-MW-05A, RI-MW-07, RI-MW-09, RI-MW-11, RI-MW-13, RI-MW-14, RI-MW-17, and RI-MW-25) and collection of eight groundwater samples for laboratory analysis; one well (RI-MW-07) was not sampled due to the identification of light non-aqueous phase liquid (LNAPL) on the water surface. Of the eight groundwater samples collected, five were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, pesticides by EPA Method 8081, TAL metals by EPA Method 6000/7000 series, and emerging contaminants [1,4-dioxane by EPA Method 8270D Selective Ion Monitoring (SIM) and PFAS by EPA Method 537 (modified)]; two were analyzed for VOCs by EPA Method 8260; and one was analyzed for VOCs and SVOCs by EPA Methods 8260 and 8270, respectively. In addition to the groundwater samples, a sample of the LNAPL identified at RI-MW-07 was collected and analyzed for hydrocarbon fingerprint analysis.

4. The installation of 21 temporary soil vapor points (RI-SV-02, RI-SV-05, RI-SV-06, RI-SV-07, RI-SV-09, RI-SV-13, RI-SV-14, RI-SV-16 through RI-SV-24, and RI-SV-29 through RI-SV-33) and collection of 21 soil vapor samples and two ambient air samples for laboratory analysis. The soil vapor and ambient air samples were analyzed for VOCs by EPA Method TO-15.
5. Elevation surveys for the newly installed monitoring wells.
6. Observation of test pits excavated near suspected USTs as part of a separate geotechnical investigation conducted by others.

The locations of the soil borings, groundwater monitoring wells, and temporary soil vapor points are shown on Figure 3.

Deviations from the Remedial Investigation Work Plan

The work summarized in this RIR was conducted in general accordance with the NYSDEC-approved October 2020 RIWP prepared by Langan on behalf of 35 Delevan Owners, LLC, a former Site owner, with the following deviations:

- The RIWP specified collection of indoor air samples co-located with the four soil vapor samples in the current warehouse building (RI-SV-05, RI-SV-06, RI-SV-07, and RI-SV-09) to assess potential soil vapor intrusion in the building. However, since the building is unoccupied, NYCSCA plans to demolish the warehouse, and construct a new school building at the Site, only the soil vapor samples were collected with no associated indoor air samples.
- The RIWP specified installation of a monitoring well at RI-SB-6; however, based on field observations of a greater degree of contamination in RI-SB-11 (including NAPL globules on soil below the water table), the well was installed at the RI-SB-11 soil boring location instead.
- Supplemental investigation not specified in the RIWP was conducted during a second mobilization to further assess the areas of concern, including sampling from 13 soil borings, 5 soil vapor points, and 3 monitoring wells, and collection of 2 sediment/fill samples from apparent drainage structures.

These deviations did not affect achieving the objectives of the RI.

Geological and Hydrogeological Conditions

The following geologic and hydrogeological conditions were noted during the RI:

1. Historic fill (sand, silt, and gravel, with varying amounts of brick, ash, concrete, glass, and wood) was observed extending from ground surface down to depths ranging from approximately 9 to 16 feet below ground surface (bgs). The fill layer is underlain by an approximately 1- to 4-foot-thick silt and clay layer containing peat/organics (potential marshland deposits) at most locations, followed by fine sand with silt down to at least 20 feet bgs (the maximum boring depth). The top of the silt/clay layer was generally encountered at depths of 11 to 15 feet bgs, but was somewhat deeper (approximately 16 to 17.5 feet bgs) in the southeastern portion of the warehouse. Bedrock was not encountered during the RI activities.
2. Groundwater was measured at depths ranging from approximately 6.2 to 8.0 feet bgs in the permanent monitoring wells installed during the RI activities. Based on the monitoring well elevation survey, groundwater is anticipated to flow in a westerly direction with a localized low point in the western portion of the Site.

Summary of Environmental Findings

Field Findings

Field evidence of gross petroleum contamination was observed throughout the southern half of the warehouse, including petroleum-like odors, PID readings greater than 100 parts per million (ppm), and non-aqueous phase liquid (NAPL) globules on soil. In general, the gross contamination extended from a few feet above the groundwater interface, which was observed between approximately 7 to 8 feet bgs, to approximately 12 to 13 feet bgs, with NAPL observed as deep as approximately 17 feet bgs in two borings. Some evidence of residual petroleum contamination was observed in several of the soil borings advanced in the western portion of the Site, in the vicinity of a UST, including petroleum-like odors and elevated PID readings at and below the groundwater interface; however, the observed conditions were not indicative of an obvious source area.

Soil

The petroleum-related VOCs benzene and/or xylenes were detected above their Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (UUSCOs), Restricted Residential SCOs (RRSCOs) and/or Protection of Groundwater SCOs (PGWSCOs) in four soil samples, at concentrations ranging from 0.084 to 0.14 milligrams per kilogram (mg/kg) for benzene and 0.47 to 0.26 mg/kg for xylenes. These detections are attributed to the field evidence of residual petroleum contamination observed in the corresponding soil borings. Acetone was detected above its UUSCO and RRSCO in 12 soil samples, with concentrations ranging from 0.053 to 1.4 mg/kg. Acetone is a common laboratory agent; therefore, this detection may not be reflective of on-site contamination.

SVOCs were detected above their respective UUSCOs and/or RRSCOs in 16 soil samples, one blind duplicate sample, and both sediment samples including: 4-methylphenol (0.4 to 1.8 mg/kg), benzo(a)anthracene (1.1 to 79 mg/kg), benzo(a)pyrene (1.2 to 67 mg/kg), benzo(b)fluoranthene (1.1 to 100 mg/kg), benzo(k)fluoranthene (0.85 to 33 mg/kg), chrysene (1.2 to 75 mg/kg), dibenzo(a,h)anthracene (0.35 to 9.8 mg/kg), fluoranthene (160 mg/kg), indeno(1,2,3-cd)pyrene (0.54 to 43 mg/kg), phenanthrene (130 mg/kg), and pyrene (140 mg/kg).

One pesticide (P,P'-DDT) was detected at a concentration above its UUSCO, but below its RRSCO, in one soil sample (RI-SB-15_0-2 at 0.0037 mg/kg). Total PCBs were detected at concentrations above the UUSCO in one soil sample (RI-SB-03_0-2 at 0.46 mg/kg) and above the RRSCO in one sediment sample (RI-SED-02 at 1.1 mg/kg) collected from a floor drain in the warehouse. No other pesticides or PCBs were detected at concentrations above their respective UUSCOs or RRSCOs.

Metals were detected above their respective UUSCOs and/or RRSCOs in 67 soil samples, 3 blind duplicates samples, and both sediment samples, including arsenic (16 to 80.1 mg/kg), barium (412 to 428 mg/kg), cadmium (2.9 to 11.1), copper (58.9 to 840 mg/kg), lead (63.9 to 4,770 mg/kg), mercury (0.2 to 19.1 mg/kg), nickel (32.5 to 124 mg/kg), selenium (5 to 6.6 mg/kg), silver (2.4 mg/kg), and zinc (112 to 4,750 mg/kg). Cyanide was detected in one soil sample at a concentration of 41.6 mg/kg, above the UUSCO and RRSCO. Lead analyzed by the EPA TCLP method was detected above the USEPA hazardous waste criteria of 5 milligrams per liter (mg/L) in five of the hazardous lead delineation samples collected in the southeastern portion of the warehouse (4.6 to 93.8 mg/L). None of the other metals analyzed by the EPA TCLP method, including arsenic, chromium, and mercury, were detected at concentrations exceeding their respective hazardous waste criteria in the samples analyzed.

The PFAS compound perfluorooctanoic acid (PFOA) was detected above its Unrestricted Use Guidance Value, but below its Restricted Residential Guidance Value in four samples at concentrations up to 2.09 microgram per kilogram (µg/kg) (RI-SB-02_0-0.2_20220613). Perfluorooctanesulfonic acid (PFOS) was not detected above its UU Guidance Value or RR Guidance Value in the soil samples. The compound 1,4-dioxane was not detected at concentrations above the laboratory reporting limit in any of the soil samples.

The SVOC, pesticide, PCB, and metal exceedances are attributed to the fill material observed throughout the Site and not to a release or other source area. The hazardous lead levels appear to be associated with a component of the fill material that was placed at approximately 5 to 8 feet below grade in the southeastern portion of the Site. The PFOA exceedances are attributed to the historic fill material at the Site and/or background conditions.

Groundwater

Two VOCs were detected at concentrations exceeding their respective NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs) in one groundwater sample (RI-MW-14) and the associated blind duplicate sample, including (isopropylbenzene 5.2 to 5.4 ug/L and n-propylbenzene at 6.7 to 7 ug/L). All other VOC detections were below the AWQSGVs. These exceedances are attributed to evidence of residual petroleum contamination noted in the western portion of the Site.

Total and dissolved metals were detected at concentrations above their AWQSGVs in four of the five groundwater samples analyzed (plus one blind duplicate sample), including: iron (1,480 to 13,800 mg/L total and 1,290 to 12,600 mg/L dissolved); magnesium (39,100 to 57,600 mg/L total and 35,600 to 50,500 mg/L dissolved); manganese (483 to 636 mg/L total and 427 to 599 mg/L dissolved); and sodium (26,000 to 165,000 mg/L total and 23,200 to 122,000 mg/L dissolved). The total and dissolved metals exceedances in groundwater are attributed to sediment entrained in the samples and/or naturally occurring or background conditions.

PFAS were detected in all five of the groundwater samples analyzed for emerging contaminants (plus one blind duplicate sample). PFOA was detected above the NYSDEC PFAS Guidance Value of 10 ng/l in all five groundwater samples and the one duplicate sample at concentrations up to 67.1 nanograms per liter (ng/L). 1,4-dioxane was not detected above the laboratory reporting limit in any of the groundwater samples analyzed for this parameter. The PFOA exceedances detected in groundwater are attributable to an off-site source and/or background conditions, and not to a release of other on-site source area.

No SVOCs were detected at concentrations above their AWQSGVs in any of the groundwater samples. PCBs and pesticides were not detected in any of the groundwater samples.

Soil Vapor

Chlorinated solvent-related VOCs, including 1,1,1-trichloroethane (1,1,1-TCA), carbon tetrachloride, cis-1,2-dichloroethene, tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride, were detected in the soil vapor samples. TCE was detected at concentrations of 1,100 $\mu g/m^3$ and 5,200 $\mu g/m^3$ in two soil vapor points located in the northeastern portion of the warehouse; 1,1,1-TCA was detected at a concentration of 3,800 $\mu g/m^3$ in one point located in the north-central portion of the concrete-paved lot; and PCE was detected at concentrations ranging from 130 to 220 $\mu g/m^3$ in three points located in the north- and south-central portions of the concrete-paved lot. All other chlorinated solvent-related VOC concentrations in soil vapor, including in the off-site samples, were below 100 $\mu g/m^3$.

N-butane was detected at a concentration of 2,600 $\mu g/m^3$ in a soil vapor point in the southeastern portion of the warehouse in the area of gross petroleum contamination. Other petroleum-related VOCs, including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1,3-dichlorobenzene, ethylbenzene, n-butane, toluene, and xylenes, were detected in soil vapor at relatively lower concentrations below 300 $\mu g/m^3$.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

This Remedial Investigation (RI) Report (RIR) summarizes the RI work performed between June and August 2022 at the Former Chesebrough Manufacturing Site located at 46 Verona Street in Brooklyn, New York (hereafter referred to as the "Site"). In November 2022, a Brownfield Cleanup Program (BCP) Application was submitted to the New York State Department of Environmental Conservation (NYSDEC) on behalf of the New York City School Construction Authority (NYCSCA) (the Applicant) to investigate and remediate the Site under the Brownfield Cleanup Program (BCP). The Site was enrolled in the BCP under Site No. C224302, and the Brownfield Cleanup Agreement (BCA) between NYSDEC and the NYCSCA was executed on May 1, 2023 (Index No. C224302-02-23). This RIR was submitted concurrently with a BCP Application and Remedial Action Work Plan (RAWP). The Site was previously enrolled in the BCP under BCP Site No. C224302; however, the Brownfield Cleanup Agreement (BCA) executed between the NYSDEC and 35 Delevan Owners, LLC, a former Site owner, was terminated on July 31, 2022.

The goal of the RI was to determine the horizontal and vertical extent of contamination at the Site. The work summarized in this RIR was conducted in general accordance with the NYSDEC-approved October 2020 Remedial Investigation Work Plan (RIWP) prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) on behalf of 35 Delevan Owners, LLC, which included a Health and Safety Plan (HASP) and a Quality Assurance Project Plan (QAPP); and the NYSDEC Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10) document.

1.1 Site Location and Current Usage

The Site is located at 46 Verona Street in the Red Hook section of Brooklyn, New York (hereafter referred to as the "Site"), and is currently identified as Block 523, Lot 1 on the Borough of Brooklyn Tax Map. Historically, the Site was comprised of Block 523, Lots 1 and 13R; however, a tax lot merger was approved by the New York City Department of Finance (NYCDOF) in June 2022 merging the two lots into Lot 1. The approximately 1.38-acre Site consists of a vacant, concrete-paved area in the western portion of the lot, and an approximately 23,500-square foot, one-story vacant warehouse with a small partial basement and an adjacent gravel-covered area that formerly contained a cellular telephone tower in the eastern portion of the lot. The Site is currently zoned R6 (residential) and is located within a New York State Environmental Zone (En-Zone). The Site location is shown on Figure 1, and a Site Plan is provided as Figure 2.

1.2 Description of Surrounding Property

The Site is bounded to the north by Delavan Street, followed by warehouses; to the south by Verona Street, followed by a New York City public park (Coffey Park); to the east by an apartment building; and to the west by Richards Street, followed by warehouses. The greater surrounding area includes primarily industrial/warehouse uses, with some commercial, institutional, and residential properties located south and east of the Site.

The nearest sensitive receptors (i.e., schools, daycares, or hospitals) include Red Hook Neighborhood School, located approximately 800 feet southeast of the Site at 27 Huntington Street, and Public School 15 (Patrick F. Daly School), located approximately 1,200 feet southwest of the Site.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

According to the New York City Department of Buildings (NYCDOB) records and historical sources (i.e., fire insurance maps and city directories), the entire Site was developed with a Vaseline factory operated by Chesebrough Manufacturing Company between 1886 and 1904, with two large oil tanks noted in the northern portion of the current warehouse footprint, and a third large oil tank noted near the southeastern property boundary. The eastern portion of the Site was later occupied by Arthur Tickle Engineering Works (ship repair/marine services) between 1915 and 1986, occupying the current warehouse building by 1938. The warehouse contained a machine shop between 1938 and 2007, and was most recently used as a lumber yard. The western portion of the Site contained unspecified manufacturing between 1915 and 1938, was used for steel plate storage between 1950 and 1980, and consisted of a vacant lot used for trailer parking between 1981 and 2007. Historic records also indicate use by Ferrite Chemical Products and potential storage of construction and demolition debris in the western half of the Site. Prior to original development, the Site and surrounding area consisted of marshland with intersecting streams, which were filled in by the late 1800s (*Map Showing Original High and Low Grounds, Salt Marsh, and Shorelines in the City of Brooklyn,* prepared to accompany Report of the Board of Heath, 1875-76).

The Site, which is currently vacant, has been owned by the New York City School Construction Authority (NYCSCA) since May 26, 2022. Previous property owners and operators associated with historical tax lots at the Site are listed in In-Text Tables 1A and 1B, respectively:

In-Text Table 1A
Previous Property Owners

Entity Name	Years of Ownership
Former Lot 1 – Ownership	
21 and 35 Delavan LLC	2020-May 2022
35 Delevan Owners, LLC	2002-2020
Harbor Tech LLC	1999-2002
Monarch Luggage Company	1980-1999
Herbert L. Goldstein and Bernard Goldstein	1971-1980
Delevan Richards Corporation	1971
Howard B. Tickle	1963-1971
Delevan-Richards Corporation	1950-1963
Delevan Richards and Betty Richards	1936-1950
Thomas D. Mayfield	Prior to 1936
Former Lot 13R – Ownership	
21 and 35 Delavan LLC	2020-May 2022
35 Delevan Owners, LLC	2002-2020
Harbor Tech LLC	1999-2002
Jerome Fried and Share B Trust	1993-1999
Arthur Fried and Jerome Fried / Executors of the Estate of Arthur Fried	1981-1993
Arthajer Realty Company	1971-1981
Herbert L. Goldstein and Bernard Goldstein	1971
Howard B. Tickle	1963-1971
Delevan-Richards Corporation	1950-1963
Delevan Richards	1936-1950
Thomas D. Mayfield	Prior to 1936

In-Text Table 1B
Previous Property Operators

Entity Name	Years of Operation
Former Lots 1 and 13R – Operators	
Vacant	2006-May 2022
Park Lumber Corp.	2005
Unknown	1987-2004
Arthur Tickle Engineering Works Inc.	1915-1986
Ferrite Chemical Products Co.	1928
Unknown	1905-1914
Chesebrough Manufacturing Companies	1886-1904
Unknown	Prior to 1886

2.2 Proposed Development Plan

The proposed redevelopment includes demolition of the existing warehouse structure and construction of a new 94,500-square foot, three-story public school building in the northern and western portions of the Site, with a paved exterior play yard in the southeastern portion of the Site. The new school building will not include a basement level, as the Site is located within a high-risk flood zone.

The current zoning designation of the Site is R6 (residential) where schools are permitted as-of-right. Brooklyn Community Board 6 identifies implementation of the 197-a Plan, "Red Hook: A Plan for Community Regeneration," dated September 1996, as a district need. One of the goals of the 197-a Plan, is to encourage children to stay in school and acquire employment skills through neighborhood educational improvements. Construction of a new public school facility will support the goals of the 197-a Plan by providing the educational needs of the Red Hook neighborhood.

Zoning in the surrounding area is largely consists of M1-1/M2-1 (manufacturing) and R5/R6 (residential), with some commercial overlays.

2.3 Previous Environmental Reports

Copies of the previous environmental reports for the Site are included as Attachment A to the BCP Application.

Phase I Environmental Site Assessment of Proposed Middle School Site (Acquisition), 21-31 and 35 Delavan Street, Block 523, Lots 1 and 13, Brooklyn, New York 11231, AKRF Engineering, P.C., June 2017

A Phase I Environmental Site Assessment (ESA) of the Site was prepared by AKRF for the NYCSCA in June 2017. The Phase I ESA included a review of historical documents, a Site reconnaissance, and interview with representatives of the former property owner. The Phase I ESA identified the following recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), and vapor encroachment conditions (VECs):

On-Site RECs/CRECs/VECs:

- Historical manufacturing and industrial uses including a Vaseline factory, Arthur Tickle Engineering Works, Ferrite Chemical Products Co., unspecified manufacturing use, a blacksmith, machine shops, and a boiler shop/iron working facility.

- Fuel oil storage/use on former Lot 13R as indicated by a vent pipe and fill port noted on the northern façade of the warehouse and a NYCDOB oil burner application. Additionally, oil storage tanks associated with the former Vaseline factory were noted on former Lot 13R on the 1904 Sanborn map.
- The former use of Lot 1 for contractor's and truck/trailer storage, and as an unpermitted transfer station/storage area for construction debris and dirt, including oil storage noted on Sanborn maps and a closed NY Spill listing due to leakage of oil from parked trucks.
- Apparent oil staining and chemical storage and handling and associated staining was observed in the warehouse in the eastern portion of the Site.
- Potential buried debris from former on-site structures that could contain historic fill of unknown origin and/or abandoned petroleum storage tanks.

<u>Off-Site RECs/CRECs/VECs:</u>

- Historical uses (Vaseline factory, canning facility, and luggage manufacturer) and a NY Spill listing with documented subsurface contamination, including free product encountered on groundwater, at the east-adjacent property.
- Current and historical industrial- and automotive-related uses on the surrounding blocks, including an engineering works, pipe fabricator, machine shops, a furnace facility, iron works, a soap manufacturer, iron facilities, a canning facility, a luggage manufacturer, a lumber and veneer facility, foundries, a glass works, welding and machinery shops, chemical facilities, a box factory, a color mixing facility, a lubricant company, blacksmiths, a soap manufacturer, automotive repair shops, a filling station, oil works, additional Vaseline manufacturing facilities, wax works, a metals coating facility, and various other factories and manufacturers related to coal, varnish, and unspecified uses. Several of these facilities also contained gasoline tanks.
- During the inspection, a groundwater monitoring well was observed within the sidewalk on the north-adjacent block, potentially associated with an environmental investigation.
- Regulatory database listings at nearby properties, including Hazardous Waste Generators, a Solid Waste Management Facility (SWF), Spill listings, PBS facilities, a BCP site, historic auto facilities, and a historic dry cleaner.

<u>*Phase II Environmental Site Investigation of Proposed Middle School Site K15E (Acquisition), 21-31 and 35 Delavan Street, Block 523, Lots 1 and 13, Brooklyn, New York 11231, AKRF, Inc., May 2019*</u>

On behalf of the NYCSCA, AKRF performed a Phase II ESI of the Site in March 2019, prior to their acquisition of the Site. The scope of work was based on the findings of AKRF's June 2017 Phase I ESA. The Phase II ESI included a geophysical survey and the completion of 24 soil borings, 7 temporary soil vapor points, 11 temporary monitoring groundwater wells, and 4 temporary sub-slab vapor points. A total of 48 soil samples, 11 groundwater samples, and 11 soil vapor samples were collected for laboratory analysis during the investigation.

The soil borings were advanced across the Site to depths of 10 to 15 feet below ground surface (bgs) using a Geoprobe® direct-push probe (DPP). Soil samples were collected and screened for field evidence of contamination continuously from the ground surface to the boring completion depth, and the soil was screened for the presence of volatile organic compounds (VOCs) with a photoionization detector (PID). At each boring location, soil samples generally were collected from the 2-foot interval directly below existing pavement and from directly above the observed water table. However, if field evidence of contamination was observed, sampling intervals were biased toward the interval with greatest field evidence of contamination. Groundwater was encountered between approximately 6 and 9 feet below bgs, with groundwater samples collected from 11 temporary groundwater monitoring wells that were screened across the observed water table. A total of 11 soil vapor samples were collected from seven temporary soil vapor points installed to approximately 5 feet bgs across exterior areas of the Site and four temporary sub-slab soil vapor points installed approximately 6 inches below the slab of the warehouse.

Subsurface soil consisted of historic fill (sand, silt, and gravel, with varying amounts of brick, ash, concrete, glass, and wood) extending from ground surface down to depths ranging from approximately 6 to 15 feet bgs. A silt and clay layer with organics (potential marshland deposits) was observed below the fill layer extending to at least 15 feet below grade, with apparent native silt and sand observed between the fill and the silt and clay layer at one location (SB-11). A sheen and non-aqueous phase liquid (NAPL) were noted on soil and groundwater in the southeastern portion of the warehouse. Soil, groundwater, and soil vapor laboratory analytical results are summarized below:

Soil

- The VOC acetone was detected in 32 soil samples at a concentration above its NYSDEC Unrestricted Use Soil Cleanup Objective (UUSCO). Methylene chloride was detected in one soil sample at a concentration above its NYSDEC UUSCOs. No other VOCs were detected at concentrations exceeding their respective UUSCOs. These detections may be related to laboratory contamination.
- Semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and metals were detected in soil samples at concentrations exceeding their respective NYSDEC UUSCOs and/or Commissioner's Policy (CP)-51 Supplemental Soil Cleanup Objectives (SSCOs) and Soil Cleanup Levels (SCLs). One soil sample [SB-9(7-8)] analyzed by the Toxicity Characteristic Leaching Procedure (TCLP) for lead was detected above the USEPA hazardous waste criteria of 5 milligrams per liter (mg/L).
- No pesticides or herbicides were reported above the laboratory detection limit in any of the soil samples collected during the investigation.

Groundwater

- Petroleum-related VOCs and one SVOC were detected in one groundwater sample (collected from temporary well TW-3, located near the western Site boundary) at concentrations above their respective NYSDEC Glass GA Ambient Water Quality Standards and Guidance Values (AWQSGVs). These detections were attributed to former on-site use and/or possibly closed spills reported on the west-adjacent block.
- Metals detected in the unfiltered and filtered groundwater samples at concentrations exceeding their respective AWQSGVs were attributed to fill material entrained in the samples and/or natural or background conditions typical of groundwater quality in the vicinity of the Site.
- One groundwater sample analyzed for New York City Department of Environmental Protection (NYCDEP) sewer discharge parameters did not exceed the NYCDEP sewer discharge criteria.

Soil Vapor

- Tetrachloroethylene (PCE) and trichloroethylene (TCE) were detected in soil vapor above their respective New York State Department of Health (NYSDOH) background ranges and Air Guideline Values (AGVs), at concentrations up to 212 micrograms per cubic meter ($\mu g/m^3$) and 203 $\mu g/m^3$, respectively. The detected VOCs were attributed to the former manufacturing/industrial-related facilities located near the Site.

Based on the presence of NAPL in soil and groundwater, a spill was reported to NYSDEC in June 2019, and Spill No. 1902328 was assigned to the Site.

2.4 Contaminants of Concern

Based on the Site's history and previous Subsurface Investigation reports prepared for the Site, the Contaminants of Concern (COCs) for this RI include petroleum-related VOCs, polycyclic aromatic hydrocarbons (PAHs), and metals in soil/fill; petroleum-related VOCs in groundwater; and chlorinated solvent- and petroleum-related VOCs in soil vapor.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

Contact information for the parties responsible for the work described in this RIR are included in In-Text Table 2:

In-Text Table 2
Project Organization

Company	Individual Name	Title	Contact Number(s)
NYSDEC	Shaun Bollers	Project Manager	(718) 482-4096
NYSDOH	Anthony Perretta	Project Manager	(518) 402-7860
AKRF	Marc Godick	Project Director, Qualified Environmental Professional	(914) 922-2356
	Rebecca Kinal	Quality Assurance/Quality Control Officer	(914) 922-2362
	Adrianna Bosco Tim McClintock	Project Managers	(646) 388-9576 (914) 922-2374
	Steve Schmid	Field Team Leader/Site Safety Officer	(646) 388-9508
NYSCSA	Lee Guterman	Director/Applicant's Representative	(718) 472-8502

3.2 Health and Safety

All work described in this report was performed in full compliance with applicable laws and regulations, including Site and Occupational Safety and Health Administration (OSHA) worker safety requirements and Hazardous Waste Operations and Emergency Response (HAZWOPER) requirements. The RI described in this RIR was also performed in general accordance with AKRF's Site-specific HASP, dated June 2022.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The RI included the following scope of work:

1. Two geophysical surveys across accessible portions of the Site to investigate the potential presence of underground storage tanks (USTs) and/or buried aboveground storage tanks (ASTs) from past on-site uses, and to clear boring locations of underground utilities.
2. The advancement of 36 soil borings, including 27 side-wide borings (RI-SB-01 through RI-SB-17, RI-SB-25 through RI-SB-33, RI-SB-05A) and nine hazardous lead delineation borings (RI-SB-09N1, RI-SB-09N2, RI-SB-09-N3, RI-SB-09E1, RI-SB-09E2, RI-SB-09-E3, RI-SB-09W1, RI-SB-09W2, and RI-SB-09-W3), and collection of 120 soil samples [plus associated quality assurance/quality control (QA/QC) samples] for laboratory analysis. Of the 120 soil samples collected, 55 samples were analyzed for VOCs by United States Environmental Protection Agency (EPA) Method 8260, SVOCs by EPA Method 8270, pesticides by EPA Method 8081, PCBs by EPA Method 8082, Target Analyte List (TAL) metals by EPA Method 6000/7000 series, hexavalent chromium by EPA Method 7196A, cyanide by EPA Method 9012, and emerging contaminants [1,4-dioxane by EPA Method 8270 and per- and polyfluoroalkyl substances (PFAS) by EPA Method 537 (modified)]; 14 samples were analyzed for VOCs and SVOCs by EPA Methods 8260 and 8270, respectively; 8 samples were analyzed for VOCs by EPA method 8260; and 43 samples were analyzed for total and TCLP lead. In addition to the soil borings, two sediment/fill samples (RI-SED-01 and RI-SED-02) were collected from the bottom of two drainage structures. The sediment/fill samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, pesticides by EPA Method 8081, TAL metals by EPA Method 6000/7000 series, hexavalent chromium by EPA Method 7196A, and cyanide by EPA Method 9012. Based on total metals concentrations, 27 of the soil and both sediment/fill samples were additionally analyzed for leachable arsenic, chromium, lead, and/or mercury by the EPA TCLP method.
3. The installation of nine 2-inch diameter permanent groundwater monitoring wells (RI-MW-01, RI-MW-05A, RI-MW-07, RI-MW-09, RI-MW-11, RI-MW-13, RI-MW-14, RI-MW-17, and RI-MW-25) and collection of eight groundwater samples for laboratory analysis; one well (RI-MW-07) was not sampled due to the identification of non-aqueous phase liquid (NAPL) on the water surface. Of the eight groundwater samples collected, five were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, pesticides by EPA Method 8081, TAL metals by EPA Method 6000/7000 series, and emerging contaminants [1,4-dioxane by EPA Method 8270D Selective Ion Monitoring (SIM) and PFAS by EPA Method 537 (modified)]; two were analyzed for VOCs by EPA Method 8260; and one was analyzed for VOCs and SVOCs by EPA Methods 8260 and 8270, respectively. In addition to the groundwater samples, a sample of the LNAPL identified at RI-MW-07 was collected and analyzed for hydrocarbon fingerprint analysis.
4. The installation of 21 temporary soil vapor points (RI-SV-02, RI-SV-05, RI-SV-06, RI-SV-07, RI-SV-09, RI-SV-13, RI-SV-14, RI-SV-16 through RI-SV-24, and RI-SV-29 through RI-SV-33) and collection of 21 soil vapor samples and two ambient air samples for laboratory analysis. The soil vapor and ambient air samples were analyzed for VOCs by EPA Method TO-15.
5. Elevation surveys for the newly installed monitoring wells.
6. Observation of test pits excavated near suspected underground storage tanks as part of a separate geotechnical investigation conducted by others.

The locations of the soil borings, groundwater monitoring wells, and temporary soil vapor points are shown on Figure 3. Photographic documentation of the performed RI activities is provided as Appendix A.

4.1 Deviations From Remedial Investigation Work Plan

The work summarized in this RIR was conducted in general accordance with the NYSDEC-approved October 2020 RIWP prepared by Langan on behalf of 35 Delevan Owners, LLC, a former Site owner, with the following deviations:

- The RIWP specified collection of indoor air samples co-located with the four soil vapor samples in the current warehouse building (RI-SV-05, RI-SV-06, RI-SV-07, and RI-SV-09) to assess potential soil vapor intrusion in the building. However, since the building is unoccupied, NYCSCA plans to demolish the warehouse, and construct a new school building at the Site, only the soil vapor samples were collected with no associated indoor air samples.
- The RIWP specified installation of a monitoring well at RI-SB-6; however, based on field observations of a greater degree of contamination in RI-SB-11 (including NAPL globules on soil below the water table) the well was installed at the RI-SB-11 soil boring location instead.
- Supplemental investigation not specified in the RIWP was conducted during a second mobilization to further assess the areas of concern, including sampling from 13 soil borings, 5 soil vapor points, and 3 monitoring wells, and collection of 2 sediment/fill samples from apparent drainage structures.

These deviations from the RIWP did not affect achieving the objectives of the RI.

4.2 Geophysical Surveys and Utility Mark-Outs

Two geophysical surveys of the accessible portions of the Site were completed by Nova Geophysical Services (Nova) of Douglaston, New York; the surveys were completed on June 13 and July 25, 2022 as part of the initial and supplemental mobilizations, respectively. Each geophysical survey comprised a ground penetrating radar (GPR) and magnetometer survey to investigate the potential presence of USTs and/or buried ASTs from past on-site uses, and to clear the soil boring locations of underground utilities/buried structures prior to the start of drilling activities. GPR utilizes electromagnetic wave propagation and scattering to image and identify changes in electrical and magnetic properties in the ground. Magnetometers measure irregularities in the magnetic field in a given area.

Two suspected USTs (one below the slab in the southern portion of the warehouse and a second in the concrete paved area in the western portion of the Site) were identified, and were confirmed to be tanks by test pits conducted during a subsequent geotechnical investigation at the Site; the exact size and contents of the tanks are unknown at this time. Several other anomalies, including three drainage structures and linear anomalies suspected to be utilities and/or former piping associated with storage tanks, were identified at the Site.

The geophysical survey reports are provided in Appendix B.

4.3 Soil Boring Advancement

A total of 36 soil borings (RI-SB-01 through RI-SB-17, RI-SB-25 through RI-SB-33, RI-SB-05A, RI-SB-09N1, RI-SB-09N2, RI-SB-09-N3, RI-SB-09E1, RI-SB-09E2, RI-SB-09-E3, RI-SB-09W1, RI-SB-09W2, and RI-SB-09-W3) were advanced by Cascade Drilling and Technical Services, Inc. (Cascade) of North Lynbrook, New York at the approximate locations shown on Figure 3. The borings were advanced over the course of two separate mobilizations; the initial work was completed between June 13 and 20, 2022, and the supplemental work was completed between July 27 and 29, 2022. The soil borings were advanced using a track-mounted Geoprobe® DPP to depths of 15 to 20 feet bgs. The soil boring locations were located in the field during the well elevation surveys described in Section 4.6 and/or upon their completion by taking measurements relative to permanent Site features such as building corners and property boundaries.

Soil boring logs are provided in Appendix C.

4.4 Groundwater Monitoring Well Installation

A total of nine 2-inch-diameter permanent groundwater monitoring wells (RI-MW-01, RI-MW-05A, RI-MW-07, RI-MW-09, RI-MW-11, RI-MW-13, RI-MW-14, RI-MW-17, and RI-MW-25) were installed by Cascade at the approximate locations shown on Figure 3. The monitoring wells were installed over the course of two separate mobilizations; the initial work was completed between June 13 and 20, 2022, and the supplemental work was completed between July 27 and 29, 2022. The monitoring wells were installed using a track-mounted Geoprobe® DPP with the capabilities to advance hollow-stem augers to depths ranging from approximately 13 to 20 feet bgs, and were constructed with 10 to 15 feet of 0.020-inch slotted polyvinyl chloride (PVC) well screen installed approximately 6 to 13 feet into the observed water table. A No. 2 morie sand pack was installed from the bottom of the well to 2 feet above the well screen, followed by a bentonite seal consisting of 2 feet of hydrated bentonite. The remaining annular space around the well was filled with bentonite-cement grout to approximately 0.5 feet bgs. The wells were subsequently finished with j-plugs, flushmount well caps, and a concrete pad.

The groundwater monitoring well installation logs are provided in Appendix C.

4.5 Groundwater Monitoring Well Development

Following installation, each well was developed by AKRF and Cascade via a stainless steel Proactive Monsoon pump affixed with dedicated high-density polyethylene tubing to remove any accumulated fines and establish a hydraulic connection with the surrounding aquifer. Development water was monitored with a Horiba U-52 water quality meter throughout development. The goal of well development was to reduce turbidity within the well to less than 50 nephelometric turbidity units (NTUs) for three successive readings, and until water quality indicators (pH, temperature, oxidation reduction potential, dissolved oxygen, and specific conductivity) stabilized to within 10% for three successive readings, to the extent practical. All development water was containerized in New York State Department of Transportation (DOT)-approved 55-gallon drums. Investigation-derived waste (IDW) is discussed further in Section 4.8.10.

Groundwater monitoring well development logs are provided in Appendix D.

4.6 Groundwater Monitoring Well Elevation and Location Survey

The groundwater monitoring wells installed during the initial work in June 2022 (RI-MW-07, RI-MW-09, RI-MW-11, RI-MW-13, RI-MW-14, and RI-MW-17) were surveyed by Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. (Tectonic) of Mountainville, New York on July 8, 2022, and the wells installed during the supplemental work in July 2022 (RI-MW-01, RI-MW-05A, and RI-MW-25) were surveyed by Control Point Associated, Inc. PC (Control Point) of Warren, New Jersey on August 24, 2022; both Tectonic and Control Point are New York State-licensed surveyors. The elevation measurements were taken at the flush-mount manhole cover and on the north side of the top of the PVC casing at each of the groundwater monitoring wells; location measurements were taken at the manhole cover. Horizontal and vertical datum were tied to the North American Vertical Datum of 1988 (NAVD88).

The groundwater monitoring well elevation surveys for the Site are provided as Appendix E.

4.7 Temporary Soil Vapor Point Installation

A total of 21 temporary soil vapor points, including 14 on-site points (RI-SV-02, RI-SV-05, RI-SV-06, RI-SV-07, RI-SV-09, RI-SV-13, RI-SV-14, RI-SV-16, RI-SV-17, RI-SV-29 through RI-SV-33) and 7 off-site points (RI-SV-18 through RI-SV-24) were installed by Cascade at the approximate locations shown on Figure 3. The temporary soil vapor points were advanced over the course of two separate mobilizations; the initial work was completed between June 13 and 20, 2022, and the supplemental work was completed between July 27 and 29, 2022. The 12 temporary soil vapor points (RI-SV-02, RI-SV-13, RI-SV-14, and RI-SV-16 through RI-SV-24) in exterior areas of the Site and adjacent off-site sidewalks were installed to approximately 5 feet bgs, and the nine temporary soil vapor points (RI-SV-05, RI-SV-06, RI-SV-07, RI-SV-09, and RI-SV-29 through RI-SV-33) inside of the warehouse were installed to depths ranging from 6 inches to 1 foot below the bottom of the concrete building slab. The temporary soil vapor points were installed by advancing an expendable drive point into the subsurface using a track-mounted Geoprobe® DPP. At each point, a screened implant connected to Teflon™-lined polyethylene tubing was installed through the drilling rods and threaded into the drive point. The sample tubing was extended from the end of the screened implant to above grade. The rods were then removed and the borings were backfilled with No. 2 morie sand to a maximum of 6 inches above the screen. Hydrated bentonite was used to fill the remaining void around the sampling tubing to the ground surface.

4.8 Sample Collection and Chemical Analysis

Soil, groundwater, and soil vapor at the Site have been sampled and evaluated as part of the RI. The sampling performed, which is presented here, provides a basis for the evaluation of subsurface conditions at the Site and potential remedial actions with respect to the media sampled.

4.8.1 Soil Sampling

Soil samples were collected from a total of 36 soil borings, including 27 site-wide soil borings (RI-SB-01 through RI-SB-17, RI-SB-25 through RI-SB-33, and RI-SB-05A) advanced across the site and nine hazardous lead delineation borings (RI-SB-09N1, RI-SB-09N2, RI-SB-09-N3, RI-SB-09E1, RI-SB-09E2, RI-SB-09-E3, RI-SB-09W1, RI-SB-09W2, and RI-SB-09-W3) advanced in the southeastern portion of the warehouse. Soil cores that were collected using the track-mounted Geoprobe® DPP in 5-foot long, 2-inch diameter, stainless steel macrocore piston rod samplers fitted with internal acetate liners. In addition to the soil samples, two sediment/fill samples (RI-SED-01 and RI-SED-02) were collected from the bottom of two drainage structures using a stainless steel trowel; the material that was sampled from the two drainage structures was comprised of apparent fill material (sand, silt, and gravel). All sampling equipment was either dedicated or decontaminated between sampling locations.

Soil cores (and the sediment/fill samples) were field-screened using a PID equipped with a 10.6 electron volt (eV) lamp and logged using the modified Burmister soil classification system. The PID was calibrated at the beginning of each field day with isobutylene gas in accordance with the manufacturer's specifications. At each boring location, AKRF field personnel recorded and documented subsurface conditions.

A total of 120 soil samples from the soil borings and two sediment/fill samples from the drainage structures were submitted for laboratory analysis, with two to five samples collected from each soil boring (see In-Text Table 3 for soil sampling locations, depths, and rationales). The rationales/investigative areas listed in In-Text Table 3 were consistent with the Areas of Concern (AOCs) presented in the October 2020 RIWP prepared by Langan. Samples slated for laboratory analysis were placed in laboratory-supplied containers in accordance with EPA protocols. Soil samples were submitted to Eurofins-TestAmerica, Inc. (Eurofins-TestAmerica) of Edison, New Jersey, a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory, in accordance with EPA chain of custody (CoC) protocols.

Of the 120 soil boring samples, 55 samples from the site-wide borings were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides by EPA Method 8081, PCBs by EPA Method 8082, TAL metals by EPA Method 6000/7000 series, hexavalent chromium by EPA Method 7196A, cyanide by EPA Method 9012, and the emerging contaminants [1,4-dioxane by EPA Method 8270 and PFAS by EPA Method 537 (modified)]; 22 samples (collected from the supplemental soil borings during a second mobilization) were analyzed for VOCs and SVOCs only; and 43 samples collected from the hazardous lead delineation borings were analyzed for total and TCLP lead, only. The two sediment/fill samples were analyzed for VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, and cyanide. In addition, based on total metals concentrations, 27 of the soil and both sediment/fill samples collected from the site-wide soil borings were additionally analyzed for TCLP arsenic, chromium, lead, and/or mercury.

Soil analytical data is discussed in Section 5.3. Soil sampling locations, depths, and rationales are summarized in In-Text Table 3.

In-Text Table 3
Soil Sample Details and Rationale

Soil Boring ID	On-Site Location	Location Description	Sample Depth Intervals (feet bgs)	Soil Sample Analytical Parameters	Rationale
RI-SB-01	Northwestern Portion	Concrete-Paved Lot	0-2, 6-8, 12-14	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the northwestern portion of the Site.
RI-SB-02	Northwestern Portion	Concrete-Paved Lot	0-0.2, 0-2, 7-9, 9-11	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the northwestern portion of the Site.
RI-SB-03	Northern Portion	Concrete-Paved Lot	0-2, 7-9, 13-15	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the northern portion of the Site.
RI-SB-04	Northeastern Portion	Inside Warehouse	0-2, 6-8, 10-12	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the northeastern portion of the Site, in the vicinity of a historical oil storage tank.
RI-SB-05	Northeastern Portion	Inside Warehouse	0-2, 10-12, 12-14	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the northeastern portion of the Site.
RI-SB-05A	Northeastern Portion	Inside Warehouse	0-2, 7-9	VOCs	To further investigate elevated TCE in soil vapor at RI-SV-05.

In-Text Table 3
Soil Sample Details and Rationale

Soil Boring ID	On-Site Location	Location Description	Sample Depth Intervals (feet bgs)	Soil Sample Analytical Parameters	Rationale
RI-SB-06	Northeastern Portion	Inside Warehouse	0-2, 6-8, 12-14	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the northeastern portion of the Site in the vicinity of a historical oil storage tank.
RI-SB-07	Eastern Portion	Inside Warehouse	0-2, 8-10, 14-16	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the eastern portion of the Site, in the vicinity of a suspected UST.
RI-SB-08	Southeastern Portion	Inside Warehouse	0-0.2, 0-2, 7-9, 18-20	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the southeastern portion of the Site, in the area of open Spill No. 1902328.

In-Text Table 3
Soil Sample Details and Rationale

Soil Boring ID	On-Site Location	Location Description	Sample Depth Intervals (feet bgs)	Soil Sample Analytical Parameters	Rationale
RI-SB-09	Southeastern Portion	Inside Warehouse	0-2, 3-5, 10-12	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the southeastern portion of the Site in the area of open Spill No. 1902328.
			3-4, 5-6, 9-10, 11-12	Total and TCLP lead	To delineate hazardous lead soil identified in Phase II soil boring SB-9.
RI-SB-09N1	Southeastern Portion	Inside Warehouse	3-5, 5-6, 7-8, 9-10, 11-12	Total and TCLP lead	To delineate hazardous lead soil identified in Phase II soil boring SB-9.
RI-SB-09N2	Southeastern Portion	Inside Warehouse	3-5, 5-6, 7-8, 9-10, 11-12	Total and TCLP lead	To delineate hazardous lead soil identified in Phase II soil boring SB-9.
RI-SB-09-N3	Southeastern Portion	Inside Warehouse	5-6, 7-8, 9-10	Total and TCLP lead	To delineate hazardous lead soil identified in Phase II soil boring SB-9.
RI-SB-09E1	Southeastern Portion	Inside Warehouse	3-5, 5-6, 7-8, 9-10, 11-12	Total and TCLP lead	To delineate hazardous lead soil identified in Phase II soil boring SB-9.
RI-SB-09E2	Southeastern Portion	Inside Warehouse	3-5, 5-6, 7-8, 9-10, 11-12	Total and TCLP lead	To delineate hazardous lead soil identified in Phase II soil boring SB-9.
RI-SB-09-E3	Southeastern Portion	Inside Warehouse	5-6, 7-8, 9-10	Total and TCLP lead	To delineate hazardous lead soil identified in Phase II soil boring SB-9.
RI-SB-09W1	Southeastern Portion	Inside Warehouse	3-5, 5-6, 7-8, 9-10, 11-12	Total and TCLP lead	To delineate hazardous lead soil identified in Phase II soil boring SB-9.
RI-SB-09W2	Southeastern Portion	Inside Warehouse	3-5, 5-6, 7-8, 9-10, 11-12	Total and TCLP lead	To delineate hazardous lead soil identified in Phase II soil boring SB-9.
RI-SB-09-W3	Southeastern Portion	Inside Warehouse	5-6, 7-8, 9-10	Total and TCLP lead	To delineate hazardous lead soil identified in Phase II soil boring SB-9.
RI-SB-10	Southeastern Portion	Inside Warehouse	0-2, 11-13, 14-16	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the southeastern portion of the Site in the area of open Spill No. 1902328.
RI-SB-11	Southeastern Portion	Inside Warehouse	0-2, 8-10, 13-15	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil quality in the southeastern portion of the Site, in the vicinity of a suspected UST.
RI-SB-12	Central Portion	Concrete-Paved Lot	0-0.2, 0-2, 8-10, 12-14	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the central portion of the Site.

In-Text Table 3
Soil Sample Details and Rationale

Soil Boring ID	On-Site Location	Location Description	Sample Depth Intervals (feet bgs)	Soil Sample Analytical Parameters	Rationale
RI-SB-13	Western Portion	Concrete-Paved Lot	0-0.2, 0-2, 8-10, 10-12	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the western portion of the Site, in the vicinity of a suspected UST.
RI-SB-14	Western Portion	Concrete-Paved Lot	0-2, 6-8, 12-14	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the western portion of the Site, in the vicinity of a suspected UST.
RI-SB-15	Southwestern Portion	Concrete-Paved Lot	0-2, 3-5, 7-9	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the southwestern portion of the Site.
RI-SB-16	Southwestern Portion	Concrete-Paved Lot	0-2, 8-10, 10-12	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil/fill quality in the southwestern portion of the Site.
RI-SB-17	Southern Portion	Concrete-Paved Lot	0-2, 12-14, 15-17	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, and PFAS	To assess soil quality in the southwestern portion of the Site, in the vicinity of a former oil storage area.
RI-SB-25	Eastern Side of Richards St. (Off-Site)	Concrete Sidewalk on Richards St.	8-10, 15-17	VOCs, SVOCs	To further investigate petroleum contamination identified at RI-SB/MW-14.
RI-SB-26	Southeastern Portion	Concrete-Paved Lot	10-12, 14-16	VOCs, SVOCs	To further investigate/delineate evidence of gross petroleum contamination identified in the area of open Spill No. 1902328.
RI-SB-27	Southeastern Portion	Inside Warehouse	10-12, 13-15	VOCs, SVOCs	To further investigate/delineate evidence of gross petroleum contamination identified in the area of open Spill No. 1902328.
RI-SB-28	Eastern Portion	Inside Warehouse	9-11, 17-19	VOCs, SVOCs	To further investigate/delineate evidence of gross petroleum contamination identified in the area of open Spill No. 1902328.
RI-SB-29	Eastern Portion	Inside Warehouse	0-2, 5-7, 15-17	VOCs, SVOCs	To further investigate/delineate the area of gross petroleum contamination and elevated TCE in soil vapor sample RI-SV-05.
RI-SB-30	Eastern Portion	Inside Warehouse	0-2, 7-9, 18-20	VOCs, SVOCs	To further investigate/delineate the area of gross petroleum contamination and elevated TCE in soil vapor sample RI-SV-05.
RI-SB-31	Northeastern Portion	Inside Warehouse	0-2, 6-8	VOCs	To further investigate elevated TCE in soil vapor at RI-SV-05.
RI-SB-32	Northeastern Portion	Inside Warehouse	0-2, 5-7	VOCs	To further investigate elevated TCE in soil vapor at RI-SV-05.

In-Text Table 3
Soil Sample Details and Rationale

Soil Boring ID	On-Site Location	Location Description	Sample Depth Intervals (feet bgs)	Soil Sample Analytical Parameters	Rationale
RI-SB-33	Northeastern Portion	Inside Warehouse	0-2, 5-7	VOCs	To further investigate elevated TCE in soil vapor at RI-SV-05.
RI-SED-01	South-Central Portion	Apparent Dry Well	NA	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, and cyanide	To investigate potential discharges to storm drains
RI-SED-02	Eastern Portion	Warehouse Floor Drain	NA	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, and cyanide	To investigate potential discharges to floor drains

Notes:
VOCs – volatile organic compounds
SVOCs – semivolatile organic compounds
PCBs – polychlorinated biphenyls
TAL – target analyte list
PFAS – per- and polyfluoroalkyl substances
TCE – trichloroethylene
TCLP – Toxicity Characteristic Leaching Procedure

4.8.2 Soil Quality Assurance/Quality Control Sampling

For quality assurance/quality control (QA/QC) purposes, seven blind duplicate soil samples (RI-SB-X01_20220613, RI-SB-X01_20220614, RI-SB-X01_20220616, RI-SB-X01_20220617, RI-SB-X02-20220617, RI-SB-X01_20220727, and RI-SB-X01_20220728), seven matrix spike/matrix spike duplicates (MS/MSD) samples (RI-SB-01_0-2_20220613, RI-SB-07_8-10_20220616, RI-SB-16_8-10_20220614, RI-SB-25_15-17_20220728, RI-SB-29_15-17_20220727, RI-SB-09E1_5-6_20220617, and RI-SB-09W1_5-6_20220617), nine aqueous field/equipment blank samples (FB-01_20220613, FB-01_20220614, EB-01_20220615, FB-01_20220616, EB-01_20220617, FB-01_20220617, FB-02_20220617, EB-01_20220620, and FB-01_20220728), and eight aqueous trip blank samples (TB-01_20220613, TB-01_20220614, TB-01_20220615, TB-01_20220616, TB-01_20220617, TB-01_20220620, TB-01_20220727, and TB-01_20220728) were submitted for laboratory analysis, as discussed in Section 4.8.7. The blind duplicate, MS/MSD, and field/equipment blank samples were analyzed for the same analytical parameters as their parent samples and the trip blank samples were analyzed for VOCs only.

The soil and associated QA/QC samples were analyzed by Eurofins-TestAmerica of Edison, New Jersey, with Category B deliverables. Third-party data validation was performed by an independent data validation consultant (Jeri Rossi, CEAC), and DUSRs were prepared.

The details of the blind duplicate QA/QC sampling, including the associated parent sample IDs and analytical parameters, are summarized in In-Text Table 4.

In-Text Table 4
Soil QA/QC Sample Details

QA/QC Soil Sample ID	Parent Sample ID	Soil Sample Analytical Parameters
RI-SB-X01_20220613	RI-SB-01_6-8_20220613	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, PFAS
RI-SB-X01_20220614	RI-SB-16_10-12_20220614	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, PFAS
RI-SB-X01_20220616	RI-SB-07_0-2_20220616	VOCs, SVOCs, pesticides, PCBs, TAL metals, hexavalent chromium, cyanide, 1,4-dioxane, PFAS
RI-SB-X01_20220617	RI-SB-09E1_3-5_20220617	Total lead, TCLP lead
RI-SB-X02-20220617	RI-SB-09W1_3-5_20220617	Total lead, TCLP lead
RI-SB-X01_20220727	RI-SB-29_0-2_20220727	VOCs, SVOCs
RI-SB-X01_20220728	RI-SB-25_8-10_20220728	VOCs, SVOCs

Notes:
VOCs – volatile organic compounds
SVOCs – semivolatile organic compounds
PCBs – polychlorinated biphenyls
TAL – target analyte list
PFAS – per- and polyfluoroalkyl substances

4.8.3 Groundwater Sampling

Groundwater samples were collected from eight of the nine 2-inch-diameter permanent groundwater monitoring wells (RI-MW-01, RI-MW-05A, RI-MW-09, RI-MW-11, RI-MW-13, RI-MW-14, RI-MW-17, and RI-MW-25) installed across the Site. A groundwater sample was not collected from RI-MW-07 due to the presence of LNAPL on the water surface; however, a sample of the NAPL was collected for hydrocarbon fingerprint analysis. The groundwater samples were collected in accordance with EPA's low-flow sampling methodology and the June 2021 NYSDEC emerging contaminant sampling guidance. All sampling equipment was either dedicated or decontaminated between sampling locations.

Prior to collecting the groundwater samples, the depth to water and the total well depth were measured for all monitoring wells using a water level meter attached to a measuring tape accurate to 0.01 foot, and to check for the presence of NAPL. The depth to water measurements (see Attached Table 1 for the depth to water measurements) were used to calculate groundwater elevations and inferred groundwater flow direction. An approximately 4 to 6-inch thick layer of NAPL was detected on the surface of water at RI-MW-07, with elevated PID readings and petroleum-like odors noted. Elevated well headspace PID readings and/or a slight petroleum-like odor on purge water were detected at RI-MW-01 (PID of 25.2 ppm with slight petroleum-like odor), RI-MW-05A (slight petroleum-like odor), RI-MW-11 (PID of 25.7 ppm), and RI-MW-25 (PID of 11.4 ppm with a slight petroleum-like odor).

Purging of the wells prior to sample collection continued until the turbidity of the water decreased below 50 NTUs and groundwater quality parameters stabilized. During sample collection, sample containers slated for laboratory analysis of dissolved metals were field filtered using inline filters. All purged water was containerized in DOT-approved 55-gallon drums. IDW management is discussed further in Section 4.8.10.

Groundwater samples slated for laboratory analysis were placed in laboratory-supplied containers in accordance with EPA protocols. Groundwater samples were submitted to Eurofins-TestAmerica of Edison, New Jersey in accordance with EPA CoC protocols. Of the eight groundwater samples collected, five were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, pesticides by EPA Method 8081, TAL metals by EPA Method 6000/7000 series, and emerging contaminants [1,4-dioxane by EPA Method 8270D SIM and PFAS by EPA Method 537 (modified)]; two were analyzed for VOCs by EPA Method 8260; and one was analyzed for VOCs and SVOCs by EPA Methods 8260 and 8270, respectively.

Groundwater sampling logs are provided in Appendix F. Groundwater analytical data is discussed in Section 5.4. Groundwater well construction details and sampling location rationale are summarized in In-Text Table 5.

In-Text Table 5
Groundwater Well Construction Details and Rationale

Monitoring Well ID	On-Site Well Location	Location Description	Screened Intervals (feet bgs)	Groundwater Sample Analytical Parameters	Rationale for Sampling Location
RI-MW-01	Northwestern Portion	Concrete-Paved Lot	5.11-15.11	VOCs	To assess groundwater quality in the northwestern portion of the Site and investigate potential off-site petroleum contamination.
RI-MW-05A	Northeastern Portion	Inside Warehouse	4.58-14.58	VOCs	To investigate for potential source of elevated TCE in soil vapor sample RI-SV-05.
RI-MW-07	Eastern Portion	Inside Warehouse	5.00-15.00	Hydrocarbon fingerprint of NAPL	To assess the chemical makeup of the NAPL in the eastern portion of the Site, in the vicinity of a suspected UST.
RI-MW-09	Southeastern Portion	Inside Warehouse	3.15-18.15	VOCs, SVOCs, pesticides, PCBs, TAL metals, 1,4-dioxane, PFAS	To assess groundwater quality in the southeastern portion of the Site in the area of open Spill No. 1902328.
RI-MW-11	Southeastern Portion	Inside Warehouse	3.56-13.56	VOCs, SVOCs, pesticides, PCBs, TAL metals, 1,4-dioxane, PFAS	To assess groundwater quality in the western portion of the Site, in the vicinity of a suspected UST.
RI-MW-13	Western Portion	Concrete-Paved Lot	4.10-14.10	VOCs, SVOCs, pesticides, PCBs, TAL metals, 1,4-dioxane, PFAS	To assess groundwater quality in the western portion of the Site, in the vicinity of a suspected UST.
RI-MW-14	Western Portion	Concrete-Paved Lot	2.95-12.95	VOCs, SVOCs, pesticides, PCBs, TAL metals, 1,4-dioxane, PFAS	To assess groundwater quality in the western portion of the Site, in the vicinity of a suspected UST.
RW-MW-17	South-Central Portion	Concrete-Paved Lot	3.60-13.60	VOCs, SVOCs, pesticides, PCBs, TAL metals, 1,4-dioxane, PFAS	To assess groundwater quality in the southwestern portion of the Site, in the vicinity of a former oil storage area.

In-Text Table 5
Groundwater Well Construction Details and Rationale

Monitoring Well ID	On-Site Well Location	Location Description	Screened Intervals (feet bgs)	Groundwater Sample Analytical Parameters	Rationale for Sampling Location
RI-MW-25	Eastern Side of Richards St. (Off-Site)	Concrete Sidewalk on Richards St.	5.19-15.19	VOCs, SVOCs	To delineate an area with previously identified petroleum contamination and investigate potential off-site petroleum contamination.

Notes:
Bgs – below ground surface
VOCs – volatile organic compounds
SVOCs – semivolatile organic compounds
PCBs – polychlorinated biphenyls
TAL – target analyte list
PFAS – per- and polyfluoroalkyl substances

4.8.4 Groundwater Quality Assurance/Quality Control Sampling

For QA/QC purposes, two blind duplicate samples (RI-MW-X_20220630 and RI-MW-X01_20220729), two MS/MSD samples (RI-MW-13_20220630 and RI-MW-05A_20220729), two aqueous field/equipment blank samples (FB-01_20220630 and FB-01_20220729), and two aqueous trip blank samples (TB-01_20220630 and TB-01_20220729) were submitted for laboratory analysis, as discussed in Section 4.8.7. The blind duplicate, MS/MSD, and field/equipment blank samples were analyzed for the same analytical parameters as their parent samples and the trip blank samples were analyzed for VOCs only.

The groundwater samples and associated QA/QC samples were analyzed by Eurofins-TestAmerica of Edison, New Jersey, with Category B deliverables. Third-party data validation was performed by Jeri Rossi, CEAC, and DUSRs were prepared.

The details of the blind duplicate QA/QC sampling, including the associated parent sample IDs and analytical parameters, are summarized in In-Text Table 6.

In-Text Table 6
Groundwater QA/QC Sample Details

QA/QC Soil Sample ID	Parent Sample ID	Soil Sample Analytical Parameters
RI-MW-X_20220630	RI-MW-13_20220630	VOCs, SVOCs, pesticides, PCBs, TAL metals, 1,4-dioxane, PFAS
RI-MW-X01_20220729	RI-MW-05A_20220729	VOCs

Notes:
VOCs – volatile organic compounds
SVOCs – semivolatile organic compounds
PCBs – polychlorinated biphenyls
TAL – target analyte list
PFAS – per- and polyfluoroalkyl substances

4.8.5 Soil Vapor Sampling

Soil vapor samples were collected from 21 temporary soil vapor points, including 14 points installed across the Site and seven points installed in the adjacent sidewalks to the north, south, and west. Methodologies used for soil vapor assessment conform to the *New York*

State Department of Health Final Guidance on Soil Vapor Intrusion, October 2006; updated May, 2017.

Prior to collection, each temporary soil vapor point was purged of approximately three sample volumes using a GilAir® Plus air pump at a flow rate of approximately 0.2 liters per minute. During purging, a shroud was placed over each sampling point and helium gas was introduced to saturate the atmosphere around the sample port. Purged vapors were collected in a Tedlar® bag and field-screened for organic vapors using a 10.6 eV PID. The purged air was also monitored using a portable helium detector to check for short-circuiting of ambient air into the vapor sampling point. All soil vapor points passed the seal integrity tests with no helium detected in the purged vapors.

After purging, each probe was connected via Teflon™-lined polyethylene tubing to a laboratory-supplied, individually-certified 6-Liter SUMMA® canister equipped with a flow regulator set to collect a sample over an approximately 8-hour sampling period. Immediately after opening the flow control valve, the initial SUMMA® canister vacuum (inches of mercury) was noted. After approximately 8 hours, the flow controller valve was closed, the final vacuum noted, and the canister placed in a shipping carton for delivery to the laboratory. The soil vapor samples were submitted to Eurofins-TestAmerica of Burlington, Vermont, a NYSDOH ELAP-certified laboratory in accordance with EPA CoC protocols and were analyzed for VOCs by EPA Method TO-15.

Soil vapor sample logs are provided as Appendix G. Soil vapor analytical data is discussed in Section 5.5. Soil vapor sampling locations, depths, and rationales are summarized in In-Text Table 7.

In-Text Table 7
Soil Vapor Sample Details and Rationale

Soil Vapor Point ID	Soil Vapor Point Location	Location Description	Sampling Depth (feet bgs)	Purged Vapor PID Reading (ppm)	Rationale For Sampling Location
RI-SV-02	Northwestern Portion	Concrete-Paved Lot	5	4.8	To evaluate soil vapor in the northwestern portion of the Site.
RI-SV-05	Northeastern Portion	Inside Warehouse	1	12.1	To evaluate soil vapor in the northeastern portion of the Site.
RI-SV-06	Northeastern Portion	Inside Warehouse	1	3.7	To evaluate soil vapor in the northeastern portion of the Site.
RI-SV-07	Eastern Portion	Inside Warehouse	1	9.3	To evaluate soil vapor in the eastern portion of the Site, in the vicinity of a suspected UST.
RI-SV-09	Southeastern Portion	Inside Warehouse	1	40.7	To evaluate soil vapor in the southeastern portion of the Site in the area of open Spill No. 1902328.
RI-SV-13	Western Portion	Concrete-Paved Lot	5	4.2	To evaluate soil vapor in the western portion of the Site, in the vicinity of a suspected UST.
RI-SV-14	Western Portion	Concrete-Paved Lot	5	3.0	To evaluate soil vapor in the western portion of the Site, in the vicinity of a suspected UST.

In-Text Table 7
Soil Vapor Sample Details and Rationale

Soil Vapor Point ID	Soil Vapor Point Location	Location Description	Sampling Depth (feet bgs)	Purged Vapor PID Reading (ppm)	Rationale For Sampling Location
RI-SV-16	Southwestern Portion	Concrete-Paved Lot	5	4.6	To evaluate soil vapor in the southwestern portion of the Site.
RI-SV-17	Southern Portion	Concrete-Paved Lot	5	5.8	To evaluate soil vapor in the southern portion of the Site, in the vicinity of a former oil storage area.
RI-SV-18	In Sidewalk on northern Side of Verona St. (Off-Site)	Concrete Sidewalk on Verona St.	5	13.9	To evaluate off-site soil vapor southeast of the Site.
RI-SV-19	In sidewalk on western Side of Richards St. (Off-Site)	Concrete Sidewalk on Richards St.	5	19.9	To evaluate off-site soil vapor west of the Site.
RI-SV-20	In sidewalk on western Side of Richards St. (Off-Site)	Concrete Sidewalk on Richards St.	5	15.7	To evaluate off-site soil vapor west of the Site.
RI-SV-21	In sidewalk on northern Side of Delavan St. (Off-Site)	Concrete Sidewalk on Delavan St.	5	9.1	To evaluate off-site soil vapor north of the Site.
RI-SV-22	In sidewalk on northern Side of Delavan St. (Off-Site)	Concrete Sidewalk on Delavan St.	5	9.5	To evaluate off-site soil vapor north of the Site.
RI-SV-23	In sidewalk on northern Side of Delavan St. (Off-Site)	Concrete Sidewalk on Delavan St.	5	11.6	To evaluate off-site soil vapor north of the Site.
RI-SV-24	In sidewalk on southern Side of Delavan St. (Off-Site)	Concrete Sidewalk on Delavan St.	5	10.7	To evaluate off-site soil vapor north of the Site.
RI-SV-29	Eastern Portion	Inside Warehouse	0.5	4.5	To further investigate elevated TCE in soil vapor sample RI-SV-05.
RI-SV-30	Eastern Portion	Inside Warehouse	0.5	2.2	To further investigate elevated TCE in soil vapor sample RI-SV-05.
RI-SV-31	Northeastern Portion	Inside Warehouse	0.5	7.9	To further investigate elevated TCE in soil vapor sample RI-SV-05.
RI-SV-32	Northeastern Portion	Inside Warehouse	0.5	5.8	To further investigate elevated TCE in soil vapor sample RI-SV-05.
RI-SV-33	Northeastern Portion	Inside Warehouse	0.5	2.4	To further investigate elevated TCE in soil vapor sample RI-SV-05.

4.8.6 Soil Vapor Quality Assurance/Quality Control Sampling

For QA/QC purposes, two ambient air samples (RI-AA-01_2022062121 and RI-AA-01_20220622) were collected during initial work in June 2022; an ambient air sample was not collected during the supplemental work in July 2022. The two ambient air samples were collected from the concrete-paved lot in the western portion of the Site.

The soil vapor samples and associated QA/QC samples were analyzed by Eurofins-TestAmerica of Burlington, Vermont, with Category B deliverables. Third-party data validation was performed by Jeri Rossi, CEAC, and DUSRs were prepared.

4.8.7 Chemical Analysis

Chemical analytical work has been performed under a QA program, which is summarized in In-Text Table 8.

In-Text Table 8
Quality Assurance Program

Factor	Description
Quality Assurance Officer	The chemical analytical QA/QC was directed by Rebecca Kinal of AKRF.
Third Party Data Validator	The third-party data validation was performed by Jeri L. Rossi, CEAC.
Chemical Analytical Laboratory	The chemical analytical laboratory used in the RI was Eurofins-TestAmerica of Edison, New Jersey and Burlington, Vermont, both ELAP-certified laboratories.
Chemical Analytical Methods	Soil analytical methods: • VOCs by EPA Method 8260C (rev. 2006) • SVOCs by EPA Method 8270D (rev. 2007) • Pesticides by EPA Method 8081B (rev. 2000) • PCBs by EPA Method 8082A (rev. 2000) • TAL Metals by EPA Method 6000/7000 series (rev. 2007) • Hexavalent chromium by EPA Method 7196A (rev. 1992) • Cyanide by EPA Method 9012 • 1,4-Dioxane by EPA Method 8270 • 21 compound PFAS list by Modified EPA Method 537 Groundwater analytical methods: • VOCs by EPA Method 8260C (rev. 2006) • SVOCs by EPA Method 8270D (rev. 2007) • Pesticides by EPA Method 8081B (rev. 2000) • PCBs by EPA Method 8082A (rev. 2000) • TAL Metals (total and dissolved) by EPA Method 6000/7000 series (rev. 2007) • 1,4-Dioxane by EPA Method 8270D SIM • 21 compound PFAS list by Modified EPA Method 537 Soil vapor analytical method: • VOCs by EPA Method TO-15

4.8.8 Quality Assurance/Quality Control Sampling

In accordance with DER-10 requirements, QA/QC procedures were used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analyses for this investigation. Field QA/QC procedures were used (1) to document that samples were representative of actual conditions at the Site and (2) to identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses were used to demonstrate whether analytical results have been biased either by interfering compounds in the sample matrix or by laboratory techniques that may have introduced systematic or random errors to the analytical process.

QA/QC samples were analyzed at Eurofins-TestAmerica of Edison, New Jersey and Burlington, Vermont, both NYSDOH ELAP-certified laboratories. The third-party data validation was performed by Jeri Rossi, CEAC and reported in DUSRs for soil, groundwater, and soil vapor.

QA/QC sampling consisted of the following:

Soil

- Seven blind duplicate samples: RI-SB-X01_20220613, RI-SB-X01_20220614, RI-SB-X01_20220616, RI-SB-X01_20220617, RI-SB-X02-20220617, RI-SB-X01_20220727, and RI-SB-X01_20220728. See In-Text Table 4 for details of the blind duplicate sampling, including the parent sample IDs.
- Seven MS/MSD samples: RI-SB-01_0-2_20220613, RI-SB-07_8-10_20220616, RI-SB-16_8-10_20220614, RI-SB-25_15-17_20220728, RI-SB-29_15-17_20220727, RI-SB-09E1_5-6_20220617, and RI-SB-09W1_5-6_20220617.
- Nine field/equipment blank samples: FB-01_20220613, FB-01_20220614, EB-01_20220615, FB-01_20220616, EB-01_20220617, FB-01_20220617, FB-02_20220617, EB-01_20220620, and FB-01_20220728.
- Eight trip blank samples: TB-01_20220613, TB-01_20220614, TB-01_20220615, TB-01_20220616, TB-01_20220617, TB-01_20220620, TB-01_20220727, and TB-01_20220728.

Groundwater

- Two blind duplicate samples: RI-MW-X_20220630 and RI-MW-X01_20220729. See In-Text Table 6 for details of the blind duplicate sampling, including the parent sample IDs.
- Two MS/MSD samples: RI-MW-13_20220630 and RI-MW-05A_20220729.
- Two field/equipment blank samples: FB-01_20220630 and FB-01_20220729.
- Two trip blank samples: TB-01_20220630 and TB-01_20220729.

The QA/QC samples were submitted with the soil and groundwater samples. The blind duplicates, field/equipment blanks, and MS/MSD samples were analyzed for the same analyte list as the accompanying soil and groundwater samples. Trip blank samples were analyzed of VOCs only.

Soil Vapor

- Two ambient air samples: RI-AA-01_20220621 and RI-AA-01_20220622.

The ambient air samples were submitted for the same analyte list as the accompanying soil vapor samples, which was VOCs by EPA Method TO-15.

Data Validation

DUSRs were prepared for the data generated during this RI. The DUSRs concluded that the overall assessment of the data generated was of acceptable quality. The soil, groundwater, and soil vapor DUSRs identified additional qualifiers for specific compounds, as explained in Appendix H. The data were determined to be acceptable for use with the additional data qualifiers. The qualifiers have been added to the soil, groundwater, and soil vapor data summary tables provided as Attached Tables 2A through 2G, Attached Tables 3A through 3G, and Attached Table 4, respectively.

4.8.9 Results of Chemical Analyses

Category B deliverables were provided by Eurofins-TestAmerica of Edison, New Jersey and Burlington, Vermont. The complete laboratory deliverable packages are included in Appendix H.

4.8.10 Management of Investigation-Derived Waste

Handling of IDW and backfilling of boreholes was conducted in accordance with Section 3.3(e) of DER-10. Soil that did not exhibit evidence of contamination (e.g., staining, elevated PID readings, presence of ash, oily sheens, odors, etc.) was used to backfill the corresponding borehole that it was generated from to within 24 inches of the surface. Excess soil cuttings and soil cuttings that exhibited evidence of gross contamination, including sheens/NAPL and/or elevated PID readings, were containerized in DOT-approved 55-gallon drums. All development and purge water from the investigation was also containerized in DOT-approved 55-gallon drums.

The drums were sealed at the end of each workday and labeled with the date, the well or boring number(s), the type of waste (i.e., drill cuttings, decontamination fluids, development water, or purge water), and the name of an AKRF point-of-contact. All drums were labeled “pending analysis” until laboratory data became available. All boreholes were restored to match the ground surface after being backfilled.

Six drums containing development and purge water and seven drums containing soil cuttings were generated as part of this RI. The drums were transported to Clean Water of New York in Staten Island for disposal as non-hazardous waste on October 24, 2022. A copy of the non-hazardous waste manifest is provided in Appendix I.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

5.1.1 Stratigraphy

Historic fill (sand, silt, and gravel, with varying amounts of brick, ash, concrete, glass, and wood) was observed extending from ground surface down to depths ranging from approximately 9 to 16 feet bgs. The fill layer is underlain by an approximately 1- to 4-foot-thick silt and clay layer containing peat/organics (potential marshland deposits) at most locations, followed by fine sand with silt down to at least 20 feet bgs (the maximum boring depth). The top of the silt/clay layer was generally encountered at depths of 11 to 15 feet bgs, but was somewhat deeper (approximately 16 to 17.5 feet bgs) in the southeastern portion of the warehouse. Bedrock was not encountered during the RI activities. The sample locations are shown on Figure 3, and geological cross sections depicting the Site stratigraphy are included as Figures 4A and 4B.

5.1.2 Hydrogeology

Groundwater was measured at depths ranging from approximately 6.2 to 8.0 feet bgs in the permanent monitoring wells installed during the RI activities. Based on the monitoring well elevation survey and the depth to water measurements, groundwater flows in a westerly direction with some localized low points in the western portion of the Site. Groundwater elevation contour maps are included as Figures 5A and 5B, and groundwater elevation data is presented in Attached Table 1.

5.2 Field Findings

Field evidence of gross petroleum contamination was observed throughout the southern half of the warehouse, including petroleum-like odors, PID readings greater than 100 parts per million (ppm), and NAPL globules on soil. In general, the gross contamination extended from a few feet above the groundwater interface, which was observed between approximately 6.2 to 8 feet bgs, to approximately 12 to 13 feet bgs, with NAPL observed as deep as approximately 17 feet bgs in two borings (RI-SB-07 and RI-SB-09). Some evidence of residual petroleum contamination was observed in several of the soil borings advanced in the western portion of the Site, in the vicinity of a UST, including petroleum-like odors and elevated PID readings at and below the groundwater interface.

5.3 Soil Chemistry

A total of 120 soil samples from the soil borings were submitted for laboratory analysis, with two to five samples collected from each soil boring. See In-Text Table 3 for soil sampling locations, depths, and analytical parameters/rationales). Soil sample analytical results for VOCs, SVOCs, pesticides, PCBs, and metals were compared to the UUSCOs and Restricted Residential Soil Cleanup Objectives (RRSCOs, and Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) (for VOCs only); the results for PFAS were compared to the Unrestricted Use (UU) and Restricted Residential (RR) PFAS Guidance Values. The complete laboratory analytical results are summarized and are summarized in Attached Tables 2A through 2G. Exceedances of the UUSCOs and/or RRSCOs are shown on Figures 6A and 6B, and exceedances of the UU and RR PFAS Guidance Values are shown on Figure 8.

5.3.1 Volatile Organic Compounds in Soil

VOCs (including acetone, benzene, and/or total xylenes) were detected at concentrations above their respective UUSCOs and PGWSCOs, but below their respective RRSCOs, in

14 soil samples and one blind duplicate sample. No other VOCs were detected at concentrations above their respective UUSCOs, RRSCOs, or PGWSCOs. Soil analytical results for VOCs are presented in Attached Table 2A. In-Text Table 9 summarizes VOC exceedances above UUSCOs and PGWSCOs in soil samples.

In-Text Table 9
VOC Concentrations in Soil Samples Above UUSCOs, RRSCOs, and/or PGWSCOs

Analyte	Sample Identification	UUSCO (mg/kg)	RRSCO (mg/kg)	PGWSCO (mg/kg)	Result (mg/kg)
Acetone	RI-SB-04_10-12_20220620	0.05	100	0.05	**0.053**
	RI-SB-05_12-14_20220620				**0.12 J-**
	RI-SB-05A_0-2_20220727				**0.065 JH**
	RI-SB-06_12-14_20220616				**0.18**
	RI-SB-08_7-9_20220615				**0.054 J**
	RI-SB-09_3-5_20220617				**1.4**
	RI-SB-11_13-15_20220615				**0.13 JL**
	RI-SB-12_12-14_20220615				**0.09**
	RI-SB-14_12-14_20220613				**0.063**
	RI-SB-26_10-12_20220729				**0.061 J**
	RI-SB-30_7-9_20220727				**0.064 JH**
	RI-SB-31_0-2_20220727				**0.11 JH**
Benzene	RI-SB-09_3-5_20220617	0.06	4.8	0.06	**0.12 J**
	RI-SB-14_6-8_20220613				**0.084 J**
	RI-SB-X01_20220613				**0.14 J**
Xylenes, Total	RI-SB-03_7-9_20220615	0.26	100	1.6	**0.47 J**
	RI-SB-09_3-5_20220617				**0.79**
	RI-SB-X01_20220613				**2.6 J**

Notes:
mg/kg = milligrams per kilogram
J = The concentration given is an estimated value.
JL or J- = Sample result is estimated and biased low.
JH = Sample result is estimated and biased high.
RI-SB-X01_20220613 is a blind duplicate of sample RI-SB-01_6-8_20220613.
Exceedances of UUSCOs are highlighted in bold font.
Exceedances of PGWSCOs are highlighted with an underline.

Acetone is a common laboratory agent; therefore, the acetone detections may not be reflective of on-site contamination. The exceedances of benzene and total xylenes are attributed to the petroleum contamination that was observed at the Site.

5.3.2 Semivolatile Organic Compounds in Soil

SVOCs including 4-methylphenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and/or pyrene were detected at concentrations above their respective RRSCOs and/or UUSCOs in 16 soil samples, one blind duplicate sample, and both sediment/fill samples. No other SVOCs were detected at concentrations above their respective UUSCOs or RRSCOs. Soil analytical results for SVOCs are presented in Attached Table 2B. In-Text Table 10 summarizes SVOC exceedances above UUSCOs and/or RRSCOs in soil samples.

In-Text Table 10
SVOC Concentrations in Soil Samples Above UUSCOs and/or RRSCOs

Analyte	Sample Identification	UUSCO (mg/kg)	RRSCO (mg/kg)	Result (mg/kg)
4-Methylphenol (P-Cresol)	RI-SB-11_13-15_20220615	0.33	100	**1.8 J-**
	RI-SB-12_12-14_20220615			**0.4 J**
	RI-SB-12_8-10_20220615			**0.62**
	RI-SB-13_10-12_20220614			**0.43 J**
	RI-SB-14_12-14_20220613			**0.42 J**
Benzo(a)Anthracene	RI-SB-03_0-2_20220615	1	1	**79**
	RI-SB-07_14-16_20220616			**1.3 J**
	RI-SB-09_10-12_20220617			**2.1**
	RI-SB-12_8-10_20220615			**1.5**
	RI-SB-13_0-.2_20220614			**2.5**
	RI-SB-15_0-2_20220613			**1.1 J**
	RI-SB-15_3-5_20220613			**1.5 J**
	RI-SB-29_0-2_20220727			**1.8 J**
	RI-SB-X01_20220727			**1.2 J**
	RI-SED-02_20220801			**1.5**
Benzo(a)Pyrene	RI-SB-03_0-2_20220615	1	1	**67**
	RI-SB-09_10-12_20220617			**1.7**
	RI-SB-12_8-10_20220615			**1.7**
	RI-SB-13_0-.2_20220614			**2.3**
	RI-SB-15_3-5_20220613			**1.2 J**
	RI-SED-02_20220801			**1.5**
Benzo(b)Fluoranthene	RI-SB-03_0-2_20220615	1	1	**100**
	RI-SB-11_0-2_20220615			**1.1**
	RI-SB-13_0-.2_20220614			**2.9**
	RI-SB-15_0-2_20220613			**1.3 J**
	RI-SB-15_3-5_20220613			**1.8 J**
	RI-SB-29_0-2_20220727			**1.9 J**
	RI-SB-X01_20220727			**1.3 J**
	RI-SED-01_20220801			**1.1**
	RI-SED-02_20220801			**2.7**
Benzo(k)Fluoranthene	RI-SB-03_0-2_20220615	0.8	3.9	**33**
	RI-SB-13_0-.2_20220614			**0.93**
	RI-SED-02_20220801			**0.85**

In-Text Table 10
SVOC Concentrations in Soil Samples Above UUSCOs and/or RRSCOs

Analyte	Sample Identification	UUSCO (mg/kg)	RRSCO (mg/kg)	Result (mg/kg)
Chrysene	RI-SB-02_9-11_20220613	1	3.9	**1.3**
	RI-SB-03_0-2_20220615			**75**
	RI-SB-07_14-16_20220616			**1.9**
	RI-SB-09_10-12_20220617			**2.5**
	RI-SB-10_11-13_20220616			**1.6**
	RI-SB-11_0-2_20220615			**1.2**
	RI-SB-12_8-10_20220615			**1.7**
	RI-SB-13_0-.2_20220614			**2.5**
	RI-SB-15_0-2_20220613			**1.2**
	RI-SB-15_3-5_20220613			**1.5**
	RI-SB-29_0-2_20220727			**1.8 J**
	RI-SB-X01_20220727			**1.3 J**
	RI-SED-02_20220801			**1.8 J**
Dibenz(a,h)Anthracene	RI-SB-03_0-2_20220615	0.33	0.33	**9.8**
	RI-SB-09_10-12_20220617			**0.48**
	RI-SB-10_11-13_20220616			**0.36**
	RI-SB-12_8-10_20220615			**0.35**
	RI-SB-13_0-.2_20220614			**0.38**
	RI-SED-02_20220801			**0.39**
Fluoranthene	RI-SB-03_0-2_20220615	100	100	**160**
Indeno(1,2,3-c,d)Pyrene	RI-SB-03_0-2_20220615	0.5	0.5	**43**
	RI-SB-03_7-9_20220615			**0.54**
	RI-SB-09_10-12_20220617			**0.56**
	RI-SB-12_8-10_20220615			**0.6**
	RI-SB-13_0-.2_20220614			**1.5**
	RI-SB-15_0-2_20220613			**0.66 J**
	RI-SB-15_3-5_20220613			**0.86 J**
	RI-SB-29_0-2_20220727			**0.73 J**
	RI-SED-01_20220801			**0.77**
	RI-SED-02_20220801			**1.9**
Phenanthrene	RI-SB-03_0-2_20220615	100	100	**130**
Pyrene	RI-SB-03_0-2_20220615	100	100	**140**

Notes:
mg/kg = milligrams per kilogram
J = The concentration given is an estimated value.
\- = Sample result is estimated and biased low.
RI-SB-X01_20220727 is a blind duplicate of sample RI-SB-29_0-2_20220727
Exceedances of UUSCOs are highlighted in bold font.
Exceedances of RRSCOs are highlighted in gray shading.

The elevated concentrations of PAHs and 4-methylphenol detected in the soil samples are attributed to historic fill material, which was encountered in all soil borings across the Site.

5.3.3 Pesticides in Soil

One pesticide (P,P'-DDT) was detected at a concentration above its UUSCO, but below its RRSCO, in one soil sample (RI-SB-15_0-2_20220613). No other pesticides were detected at concentrations above their respective UUSCOs or RRSCOs. Soil analytical results for pesticides are presented in Attached Table 2F. In-Text Table 11 summarizes the pesticide exceedance.

In-Text Table 11
Pesticide Concentrations in Soil Samples Above UUSCOs

Analyte	Sample Identification	UUSCO (mg/kg)	RRSCO (mg/kg)	Result (mg/kg)
P,P'-DDT	RI-SB-15_0-2_20220613	0.0033	7.9	**0.0037 J**

Notes:
mg/kg = milligrams per kilogram
J = The concentration given is an estimated value.
Exceedances of UUSCOs are highlighted in bold font.

The presence of P,P'-DDT is attributed to historic fill material, which was encountered in all soil borings across the Site, and not to a release or other on-site source area.

5.3.4 Polychlorinated Biphenyls in Soil

Total PCBs were detected at concentrations above the UUSCO of 0.1 mg/kg, but below the RRSCO of 1 mg/kg, in one soil sample (RI-SB-03_0-2_20220615) and above the UUSCO and RRSCO in one sediment/fill sample (RI-SED-02_20220801). No other total PCB concentrations exceeded the UUSCO or RRSCO in the soil samples. Soil analytical results for total PCBs are presented in Attached Table 2E. In-Text Table 12 summarizes the total PCBs exceedances above the UUSCOs in soil and sediment/fill samples.

In-Text Table 12
Total PCB Concentrations in Soil Samples Above UUSCOs and/or RRSCOs

Analyte	Sample Identification	UUSCO (mg/kg)	RRSCO (mg/kg)	Result (mg/kg)
Total PCBs	RI-SB-03_0-2_20220615	0.1	1	**0.46**
	RI-SED-02_20220801			**1.1**

Notes:
mg/kg = milligrams per kilogram
Exceedances of UUSCOs are highlighted in bold font.
Exceedances of RRSCOs are highlighted in gray shading.

The exceedances of total PCBs are attributed to historic fill material, which was encountered in all soil borings across the Site and in the two drainage structures where the sediment/fill samples were collected (the "sediment" in the drainage structures was comprised of suspected fill material), and not to a release or other on-site source area.

5.3.5 Metals and Cyanide in Soil

Ten metals (arsenic, barium, cadmium, copper, lead, mercury, nickel, selenium, silver, and zinc) and cyanide were detected at concentrations above their respective UUSCOs and/or RRSCOs in 68 soil samples, 3 blind duplicates samples, and both sediment/fill samples. No other metals were detected at concentrations above their respective UUSCOs or RRSCOs in the soil samples. Soil analytical results for metals are presented in Attached

Table 2C. In-Text Table 13 summarizes metals exceedances above UUSCOs and/or RRSCOs in soil samples.

In-Text Table 13
Metals and Cyanide Concentrations in Soil Samples Above UUSCOs and/or RRSCOs

Analyte	Sample Identification	UUSCO (mg/kg)	RRSCO (mg/kg)	Result (mg/kg)
Arsenic	RI-SB-01_6-8_20220613	13	16	**27.2**
	RI-SB-02_0-0.2_20220613			**46.1**
	RI-SB-02_0-2_20220613			**93**
	RI-SB-02_7-9_20220613			**13.7 J**
	RI-SB-04_6-8_20220620			**16.1**
	RI-SB-05_10-12_20220620			**14.9**
	RI-SB-06_0-2_20220616			**16**
	RI-SB-06_6-8_20220616			**80.1**
	RI-SB-10_0-2_20220616			**34.2**
	RI-SB-12_0-0.2_20220615			**20.5**
	RI-SB-15_3-5_20220613			**16.9 J**
	RI-SB-16_0-2_20220614			**17.5**
	RI-SB-X01_20220613			**17.3 J**
	RI-SED-02_20220801			**16.9**
Barium	RI-SB-14_6-8_20220613	350	400	**412 J**
	RI-SED-02_20220801			**428**
Cadmium	RI-SB-04_6-8_20220620	2.5	4.3	**2.9**
	RI-SED-02_20220801			**11.1**
Copper	RI-SB-02_0-0.2_20220613	50	270	**94.9 J**
	RI-SB-02_0-2_20220613			**174 J**
	RI-SB-02_7-9_20220613			**92.7 J**
	RI-SB-03_0-2_20220615			**80.9**
	RI-SB-03_7-9_20220615			**190**
	RI-SB-04_6-8_20220620			**80.1**
	RI-SB-05_0-2_20220620			**58.9**
	RI-SB-05_10-12_20220620			**59.7**
	RI-SB-06_6-8_20220616			**122 J**
	RI-SB-07_8-10_20220616			**840 J**
	RI-SB-08_7-9_20220615			**54.7**
	RI-SB-12_0-0.2_20220615			**143**
	RI-SB-12_8-10_20220615			**65.5**
	RI-SB-15_3-5_20220613			**657 J**
	RI-SB-17_0-2_20220614			**434**
	RI-SB-17_15-17_20220614			**60.2**
	RI-SB-X01_20220613			**88.5 J**
	RI-SED-01_20220801			**169**
	RI-SED-02_20220801			**313**
Cyanide	RI-SB-04_0-2_20220620	27	27	**41.6**

In-Text Table 13
Metals and Cyanide Concentrations in Soil Samples Above UUSCOs and/or RRSCOs

Analyte	Sample Identification	UUSCO (mg/kg)	RRSCO (mg/kg)	Result (mg/kg)
Lead	RI-SB-01_0-2_20220613	63	400	**164 J**
	RI-SB-01_6-8_20220613			**831**
	RI-SB-02_0-0.2_20220613			**267**
	RI-SB-02_0-2_20220613			**117**
	RI-SB-02_7-9_20220613			**107 J**
	RI-SB-02_9-11_20220613			**93.8 J**
	RI-SB-03_0-2_20220615			**262**
	RI-SB-03_7-9_20220615			**4,770**
	RI-SB-04_0-2_20220620			**71.4**
	RI-SB-04_6-8_20220620			**563**
	RI-SB-05_10-12_20220620			**326**
	RI-SB-06_6-8_20220616			**83.4 J**
	RI-SB-08_0-2_20220615			**123**
	RI-SB-08_7-9_20220615			**347**
	RI-SB-09_10-12_20220617			**192**
	RI-SB-09_3-5_20220617			**74.9**
	RI-SB-09_5-6_20220617			**428 J**
	RI-SB-09_9-10_20220617			**231 J**
	RI-SB-09E1_3-5_20220617			**178 J**
	RI-SB-09E1_7-8_20220617			**1,340 J**
	RI-SB-09E2_3-5_20220617			**71 J**
	RI-SB-09E2_7-8_20220617			**1,430 J**
	RI-SB-09-E3_7-8_20220729			**114**
	RI-SB-09N1_3-5_20220617			**95.3 J**
	RI-SB-09N1_5-6_20220617			**595 J**
	RI-SB-09N1_7-8_20220617			**4,180 J**
	RI-SB-09N1_9-10_20220617			**162 J**
	RI-SB-09N2_11-12_20220617			**70.5 J**
	RI-SB-09N2_5-6_20220617			**2,020 J**
	RI-SB-09-N3_5-6_20220729			**346**
	RI-SB-09-N3_7-8_20220729			**933**
	RI-SB-09-N3_9-10_20220729			**68**
	RI-SB-09W1_11-12_20220617			**251 J**
	RI-SB-09W1_3-5_20220617			**83 J**
	RI-SB-09W1_5-6_20220617			**2,860 J**
	RI-SB-09W1_9-10_20220617			**154 J**
	RI-SB-09W2_3-5_20220617			**68.7 J**
	RI-SB-09W2_7-8_20220617			**78.9 J**
	RI-SB-09W2_9-10_20220617			**618 J**
	RI-SB-09-W3_5-6_20220729			**387**
	RI-SB-09-W3_7-8_20220729			**63.9**
	RI-SB-09-W3_9-10_20220729			**146**
	RI-SB-10_0-2_20220616			**95.7 J**

In-Text Table 13
Metals and Cyanide Concentrations in Soil Samples Above UUSCOs and/or RRSCOs

Analyte	Sample Identification	UUSCO (mg/kg)	RRSCO (mg/kg)	Result (mg/kg)
Lead	RI-SB-10_11-13_20220616	63	400	**175 J**
	RI-SB-10_14-16_20220616			**72 J**
	RI-SB-11_0-2_20220615			**208**
	RI-SB-11_8-10_20220615			**80.3**
	RI-SB-12_0-0.2_20220615			**614**
	RI-SB-12_0-2_20220615			**117**
	RI-SB-12_8-10_20220615			**183**
	RI-SB-13_8-10_20220614			**66.2**
	RI-SB-14_0-2_20220613			**81 J**
	RI-SB-14_6-8_20220613			**269**
	RI-SB-15_0-2_20220613			**88.4 J**
	RI-SB-15_3-5_20220613			**515 J**
	RI-SB-16_0-2_20220614			**180**
	RI-SB-17_0-2_20220614			**411**
	RI-SB-17_15-17_20220614			**201**
	RI-SB-X01_20220613			**922 J**
	RI-SB-X01_20220616			**161 J**
	RI-SB-X01_20220617			**367 J**
	RI-SED-01_20220801			**307**
	RI-SED-02_20220801			**1,020**
Mercury	RI-SB-01_6-8_20220613	0.18	0.81	**0.48 J**
	RI-SB-02_0-0.2_20220613			**0.68 J**
	RI-SB-02_0-2_20220613			**4.4 J**
	RI-SB-03_0-2_20220615			**0.54**
	RI-SB-03_7-9_20220615			**0.42**
	RI-SB-04_0-2_20220620			**0.36**
	RI-SB-04_6-8_20220620			**6.1**
	RI-SB-05_0-2_20220620			**0.31**
	RI-SB-05_10-12_20220620			**2.7**
	RI-SB-07_0-2_20220616			**0.38 J**
	RI-SB-08_0-2_20220615			**0.7**
	RI-SB-08_7-9_20220615			**0.77**
	RI-SB-09_0-2_20220617			**0.26**
	RI-SB-09_3-5_20220617			**3.7**
	RI-SB-10_11-13_20220616			**0.3 J**
	RI-SB-11_0-2_20220615			**0.23**
	RI-SB-11_8-10_20220615			**0.2**
	RI-SB-12_0-0.2_20220615			**0.58**
	RI-SB-12_0-2_20220615			**0.63**
	RI-SB-13_0-.2_20220614			**0.27**
	RI-SB-13_0-2_20220614			**0.2**
	RI-SB-13_8-10_20220614			**18.3**
	RI-SB-14_0-2_20220613			**0.38**

In-Text Table 13
Metals and Cyanide Concentrations in Soil Samples Above UUSCOs and/or RRSCOs

Analyte	Sample Identification	UUSCO (mg/kg)	RRSCO (mg/kg)	Result (mg/kg)
Mercury	RI-SB-14_6-8_20220613	0.18	0.81	**1.3 J**
	RI-SB-15_0-2_20220613			**0.3**
	RI-SB-15_3-5_20220613			**1.1 J**
	RI-SB-16_0-2_20220614			**2.4**
	RI-SB-16_8-10_20220614			**0.55**
	RI-SB-17_0-2_20220614			**0.55**
	RI-SB-17_15-17_20220614			**1.9**
	RI-SB-X01_20220613			**1.5 J**
	RI-SB-X01_20220616			**19.1 J**
	RI-SED-02_20220801			**0.74**
Nickel	RI-SB-03_0-2_20220615	30	310	**32.5**
	RI-SB-03_13-15_20220615			**36.4**
	RI-SB-06_0-2_20220616			**47 J**
	RI-SB-07_0-2_20220616			**34.3 J**
	RI-SB-11_13-15_20220615			**33.2**
	RI-SB-15_3-5_20220613			**41.2**
	RI-SB-17_0-2_20220614			**124**
	RI-SED-01_20220801			**53.7**
	RI-SED-02_20220801			**98.3**
Selenium	RI-SB-02_7-9_20220613	3.9	180	**5**
	RI-SB-10_0-2_20220616			**6.6**
Silver	RI-SB-08_7-9_20220615	2	180	**2.4**
Zinc	RI-SB-02_0-0.2_20220613	109	10,000	**176**
	RI-SB-02_0-2_20220613			**391**
	RI-SB-02_7-9_20220613			**127**
	RI-SB-02_9-11_20220613			**146**
	RI-SB-03_0-2_20220615			**163**
	RI-SB-03_7-9_20220615			**136**
	RI-SB-04_0-2_20220620			**130**
	RI-SB-04_6-8_20220620			**4,750**
	RI-SB-06_0-2_20220616			**365 J**
	RI-SB-12_0-0.2_20220615			**310**
	RI-SB-12_8-10_20220615			**156**
	RI-SB-14_6-8_20220613			**759**
	RI-SB-15_0-2_20220613			**112**
	RI-SB-15_3-5_20220613			**175**
	RI-SB-17_0-2_20220614			**620**
	RI-SB-17_15-17_20220614			**116**
	RI-SB-X01_20220616			**112 J**

In-Text Table 13
Metals and Cyanide Concentrations in Soil Samples Above UUSCOs and/or RRSCOs

Analyte	Sample Identification	UUSCO (mg/kg)	RRSCO (mg/kg)	Result (mg/kg)
Zinc	RI-SED-01_20220801	109	10,000	**2,180**
	RI-SED-02_20220801			**2,480**

Notes:
mg/kg = milligrams per kilogram
J = The concentration given is an estimated value.
RI-SB-X01_20220613 is a blind duplicate of sample RI-SB-01_6-8_20220613
RI-SB-X01_20220616 is a blind duplicate of sample RI-SB-07_0-2_20220616
RI-SB-X01_20220617 is a blind duplicate of sample RI-SB-09E1_3-5_20220617
Exceedances of UUSCOs are highlighted in bold font.
Exceedances of RRSCOs are highlighted in gray shading.

The exceedances for metals and cyanide are attributed to historic fill material, which was encountered in all soil borings across the Site and in the two drainage structures where the sediment/fill samples were collected (the "sediment" in the drainage structures was comprised of suspected fill material), and not to a release or other on-site source area.

5.3.6 TCLP Metals in Soil

TCLP lead was detected above the USEPA hazardous waste criteria of 5 mg/L in five of the hazardous lead delineation samples collected in the southeastern portion of the warehouse. No other metals were detected at concentrations exceeding their respective hazardous waste criteria in the soil samples analyzed via TCLP. Soil analytical results for TCLP metals are presented in Attached Table 2D. In-Text Table 14 summarizes lead exceedances above the hazardous waste criteria, which are also shown on Figure 7.

In-Text Table 14
Lead Concentrations in Soil Samples Above the EPA Hazardous Waste Criteria

Analyte	Sample Identification	EPA Hazardous Waste Criteria (mg/L)	Result (mg/L)
Lead	RI-SB-09E2_7-8_20220617	5	48.8 J
	RI-SB-09N1_7-8_20220617		93.8 J
	RI-SB-09N2_5-6_20220617		46.4 J
	RI-SB-09-N3_7-8_20220729		8.31
	RI-SB-09W2_7-8_20220617		7.6 J

Notes:
J = The concentration given is an estimated value.
mg/L = milligrams per liter

The hazardous lead levels appear to be associated with a component of the fill material that was placed at approximately 5 to 8 feet below grade in the southeastern portion of the Site, and not to a release or source area.

5.3.7 Emerging Contaminants in Soil

Perfluorooctanoic acid (PFOA) was detected above its UU Guidance Value of 0.66 micrograms per kilogram (µg/kg), but below its RR Guidance Value of 33 µg/kg in four samples at concentrations up to 2.09 µg/kg (RI-SB-02_0-0.2_20220613). Perfluorooctanesulfonic acid (PFOS) was not detected above its UU Guidance Value or

RR Guidance Value in the soil samples. The compound 1,4-dioxane was not detected at concentrations above the laboratory reporting limit in any of the soil samples. Soil analytical results for 1,4-dioxane and PFAS are summarized in Attached Tables 2G and 2B, respectively, and are shown on Figure 8.

The concentrations of PFOA are attributed to the historic fill material, which was encountered in all soil borings across the Site, and/or background conditions.

5.4 Groundwater Chemistry

Groundwater samples were collected from eight of the nine 2-inch-diameter permanent groundwater monitoring wells (RI-MW-01, RI-MW-05A, RI-MW-09, RI-MW-11, RI-MW-13, RI-MW-14, RI-MW-17, and RI-MW-25) installed across the Site. As previously noted, a groundwater sample was not collected from RI-MW-07 due to the presence of LNAPL on the water surface; however, a sample of the NAPL was collected for hydrocarbon fingerprint analysis (results are discuss in Section 5.5). Although groundwater in Brooklyn is not used as a source of potable drinking water, groundwater sample analytical results for VOCs, SVOC, pesticides, PCBs, and metals were conservatively compared to the Class GA AWQSGVs, and the total PFAS concentrations and 1,4-dioxane were compared to the NYSDEC PFAS guidance values. Groundwater sample analytical results are presented in Attached Tables 3A through 3G. Groundwater sample concentrations above their respective AWQSGVs are shown on Figure 9. Groundwater samples with PFAS and/or 1,4-dioxane concentrations above their guidance values are shown on Figure 10.

5.4.1 Volatile Organic Compounds in Groundwater

Two petroleum-related VOCs (isopropylbenzene and n-propylbenzene) were detected at concentrations exceeding their respective AWQSGVs in one groundwater sample (RI-MW-14) and the associated blind duplicate sample. No other VOCs were detected at concentrations above their respective AWQSGVs in the groundwater samples. Groundwater analytical results for VOCs are presented in Attached Table 3A. In-Text Table 15 summarizes the VOC exceedances above AWQSGVs in groundwater samples.

In-Text Table 15
VOC Concentrations in Groundwater Samples Above AWQSGVs

Analyte	Sample Identification	AWQSGV (µg/L)	Result (µg/L)
Isopropylbenzene (Cumene)	RI-MW-14_20220630	5	5.4
	RI-MW-X_20220630		5.2
N-Propylbenzene	RI-MW-14_20220630	5	7
	RI-MW-X_20220630		6.7

Notes:
µg/L = micrograms per liter
RI-MW-X_20220630 is a blind duplicate of sample RI-MW-14_20220630

The exceedances of petroleum-related VOCs in groundwater at RI-MW-14 are attributed to the evidence of residual petroleum contamination identified in the western portion of the Site in the vicinity of a UST. While no field evidence of petroleum contamination was noted during the sampling of RI-MW-14, elevated PID readings and/or petroleum like odors were noted at the groundwater interface in the associated soil boring (RI-SB-14).

5.4.2 Semivolatile Organic Compounds in Groundwater

No SVOCs were detected at concentrations above their AWQSGVs in any of the groundwater samples. Groundwater analytical results for SVOCs are presented in Attached Table 3B.

5.4.3 Pesticides in Groundwater

No pesticides were detected at concentrations above the laboratory detection limit in any of the groundwater samples. Groundwater analytical results for pesticides are presented in Attached Table 3F.

5.4.4 Polychlorinated Biphenyls in Groundwater

No PCBs detected at concentrations above the laboratory detection limit in any of the groundwater samples. Groundwater analytical results for PCBs are presented in Attached Table 3E.

5.4.5 Metals in Groundwater

Total (Unfiltered) Metals

Four metals (iron, magnesium, manganese, and sodium) were detected at concentrations above their AWQSGVs in the five unfiltered groundwater samples and one blind duplicate sample analyzed for metals. Groundwater analytical results for total (unfiltered) metals are presented in Attached Table 3C. In-Text Table 16 summarizes total (unfiltered) metals exceedances above AWQSGVs in groundwater samples.

In-Text Table 16
Total Metals Concentrations in Groundwater Samples Above AWQSGVs

Analyte	Sample Identification	AWQSGV (µg/L)	Result (µg/L)
Iron	RI-MW-09_20220630	300	13,800
	RI-MW-11_20220630		1,480
	RI-MW-13_20220630		7,860
	RI-MW-14_20220630		1,700
	RI-MW-17_20220630		3,400
	RI-MW-X_20220630		1,790
Magnesium	RI-MW-13_20220630	35,000	57,600
	RI-MW-14_20220630		39,100
	RI-MW-X_20220630		39,700
Manganese	RI-MW-09_20220630	300	569
	RI-MW-13_20220630		483 J+
	RI-MW-14_20220630		531
	RI-MW-17_20220630		636
	RI-MW-X_20220630		540

In-Text Table 16
Total Metals Concentrations in Groundwater Samples Above AWQSGVs

Analyte	Sample Identification	AWQSGV (µg/L)	Result (µg/L)
Sodium	RI-MW-09_20220630	20,000	131,000
	RI-MW-11_20220630		26,000
	RI-MW-13_20220630		165,000
	RI-MW-14_20220630		106,000 J
	RI-MW-X_20220630		76,700

Notes:
J = The concentration given is an estimated value.
J+ = Sample result is estimated and biased high.
µg/L = micrograms per liter
RI-MW-X_20220630 is a blind duplicate of sample RI-MW-14_20220630

Dissolved (Filtered) Metals

Similar to the total (unfiltered) groundwater samples, four metals (iron, magnesium, manganese, and sodium) were detected at concentrations above their AWQSGVs in the five unfiltered groundwater samples and one blind duplicate sample analyzed for metals. Groundwater analytical results for dissolved (filtered) metals are presented in Attached Table 3D. In-Text Table 17 summarizes dissolved (filtered) metals exceedances above AWQSGVs in groundwater samples.

In-Text Table 17
Dissolved Metals Concentrations in Groundwater Samples Above AWQSGVs

Analyte	Sample Identification	AWQSGV (µg/L)	Result (µg/L)
Iron	RI-MW-09_20220630	300	12,600
	RI-MW-11_20220630		1,290
	RI-MW-13_20220630		4,890
	RI-MW-14_20220630		1,580
	RI-MW-17_20220630		2,710
	RI-MW-X_20220630		1,570
Magnesium	RI-MW-13_20220630	35,000	50,500
	RI-MW-14_20220630		35,900
	RI-MW-X_20220630		35,600
Manganese	RI-MW-09_20220630	300	527
	RI-MW-13_20220630		427
	RI-MW-14_20220630		501
	RI-MW-17_20220630		599
	RI-MW-X_20220630		513

In-Text Table 17
Dissolved Metals Concentrations in Groundwater Samples Above AWQSGVs

Analyte	Sample Identification	AWQSGV (µg/L)	Result (µg/L)
Sodium	RI-MW-09_20220630	20,000	115,000
	RI-MW-11_20220630		23,200
	RI-MW-13_20220630		122,000
	RI-MW-14_20220630		71,500
	RI-MW-X_20220630		68,000

Notes:
J = The concentration given is an estimated value.
+ = Sample result is estimated and biased high.
µg/L = micrograms per liter
RI-MW-X_20220630 is a blind duplicate of sample RI-MW-14_20220630

Based on the results of the total (unfiltered) and dissolved (filtered) groundwater samples, the elevated concentrations of metals in groundwater are attributed to sediment entrained in the sample and/or naturally occurring or background conditions typical of coastal Brooklyn.

5.4.6 Emerging Contaminants in Groundwater

PFAS were detected in all five of the groundwater samples and the one blind duplicate sample analyzed for these parameters. PFOA was detected above the NYSDEC PFAS Screening Level of 10 ng/l in all five groundwater samples and the one duplicate sample at concentrations up to 67.1 nanograms per liter (ng/L) (RI-MW-X_20220630; the parent sample RI-MW-09_20220630 had a concentration of 60.3 ng/L). 1,4-Dioxane was not detected above the laboratory reporting limit in any of the groundwater samples analyzed for this parameter. Groundwater analytical results for PFAS are presented in Attached Table 3G. The analytical results for 1,4-dioxane are included with the SVOCs, which are presented in Attached Table 3B.

Based on the results of the soil and groundwater samples for PFAS and the historical Site uses, the exceedances of PFOA in groundwater are attributable to an off-site source and/or background conditions typical of Brooklyn, and not to a release of other on-site source area.

5.5 Soil Vapor Chemistry

A total of 21 soil vapor samples were collected from the 21 temporary soil vapor points, including 14 points installed across the Site (RI-SV-02, RI-SV-05, RI-SV-06, RI-SV-07, RI-SV-09, RI-SV-13, RI-SV-14, RI-SV-16, RI-SV-17, and RI-SV-29 through RI-SV-33) and seven point installed in the adjacent sidewalks to the north, south, and west (RI-SV-18 through RI-SV-24). Although there are currently no regulatory or published guidance values for VOCs in soil vapor, soil vapor data was used to assess the potential for exposure to receptors and to help define the nature and extent of contamination at the Site.

Chlorinated solvent-related VOCs, including 1,1,1-trichloroethane (1,1,1-TCA), carbon tetrachloride, cis-1,2-dichloroethene, PCE, TCE, and vinyl chloride, were detected in the samples. TCE was detected at concentrations of 1,100 $\mu g/m^3$ and 5,200 $\mu g/m^3$ in soil vapor points RI-SV-29 and RI-SV-05, respectively, both located in the northeastern portion of the warehouse; 1,1,1-TCA was detected at a concentration of 3,800 $\mu g/m^3$ in RI-SV-02, located in the north-central portion of the concrete-paved lot; and PCE was detected at concentrations of 130 μg/m^3, 220 μg/m^3 and 160 μg/m^3 in RI-SV-02, RI-SV-16 and RI-SV-17, respectively, located in the north- and south-central portions of the concrete-paved lot. All other chlorinated solvent-related VOC concentrations in soil vapor, including in the off-site samples, were below 100 μg/m^3. In the off-site soil vapor samples, the chlorinated solvents 1,1,1-TCA, carbon tetrachloride, PCE, and TCE were detected at concentrations ranging from 0.3 μg/m^3 to 23 μg/m^3 (PCE in sample RI-SV-22_20220621).

Petroleum-related VOCs, including n-butane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1,3-dichlorobenzene, ethylbenzene, n-butane, toluene, and xylenes, were detected with a maximum concentration of 2,600 μg/m^3 of n-butane at RI-SV-09. Other petroleum-related VOCs were detected in the soil vapor samples at relatively lower concentrations below 300 μg/m^3. In the off-site soil vapor samples, petroleum-related compounds were detected at concentrations up to 100 μg/m^3 (butane in sample RI-SV-19_20220621).

Although no corresponding indoor air sampling was conducted, the soil vapor results were compared to Soil Vapor/Indoor Air Matrices A, B, and C of the May 2017 Vapor Intrusion Decision Matrices updates to the NYSDOH Final Guidance on Soil Vapor Intrusion as a preliminary assessment of the potential for soil vapor intrusion in future buildings at the Site. Since indoor air samples were not collected, the results were compared to the soil vapor matrix concentrations that correspond to a recommended action of "Mitigate", regardless of the corresponding indoor air concentrations. Exceedances of these matrix values are summarized in In-Text Table 18:

In-Text Table 18
VOC Concentrations in Soil Vapor Samples Above the NYSDOH Matrix Value

Analyte	Sample Identification	Matrix Value[1] (μg/m^3)	Result (μg/m^3)
Matrix A			
TCE	RI-SV-05_20220622	60	5,200
	RI-SV-29_20220728		1,100
	RI-SV-32_20220728		120
Matrix B			
1,1,1-TCA	RI-SV-02_20220728	1,000	3,800

Notes:
μg/m^3 = micrograms per cubic meter
[1]Matrix Value = Soil vapor concentration in NYSDOH Matrix corresponding to "Mitigate" recommendation regardless of indoor air concentration

No other analytes for which Soil Vapor/Indoor Air Matrices have been assigned were detected at concentrations that would warrant mitigation without a corresponding indoor air sample result. It should be noted that no indoor air sampling was conducted during the RI as the existing warehouse will be demolished during redevelopment of the Site.

Based on comparison of the detected TCE, PCE, and 1,1,1-TCA levels in soil vapor to the NYSDOH Soil Vapor / Indoor Air matrices and considering the typical attenuation factor between sub-slab soil vapor and indoor air for new building construction, there is some potential for vapor intrusion to occur for the proposed building at the Site without the implementation of building engineering controls.

Soil vapor sample analytical results are included in Attached Table 4. On-site soil vapor concentrations are shown on Figure 11A and off-site soil vapor concentrations are shown on Figure 11B.

5.6 Hydrocarbon Fingerprint Analysis

A sample of the LNAPL was collected from monitoring well RI-MW-07 and sent to META Environmental, Inc. (META) for hydrocarbon fingerprint analysis to determine the type of product. The sample was analyzed for wide-range hydrocarbon fingerprint, normal alkanes, and TPH by EPA Method 8015M, and for monocyclic aromatic hydrocarbons (MAHs) and PAHs by EPA Method 8270M. META concluded that the product sample contained an unresolved complex mixture (UCM) in the heavy oil range, with no distinct peaks and a lack of biomarker compounds such as terpanes and steranes. Although the heavy oil product could not be specifically identified, META reported that the shape and range of the UCM and lack of biomarker compounds are consistent with highly refined oils such as white oil or mineral oil used for personal care products and specialty compounding. These results indicate that the LNAPL present in RI-MW-07 is likely related to the former Vaseline manufacturing operations at the Site. Gasoline-range and diesel-range MAHs and PAHS were identified in the sample at low levels, with no clear fingerprint. META attributed the presence of these compounds in the sample to comingling of the product with other contaminants present at the Site. The chlorinated VOC 1,1,2,2,-tetrachlorethane (TeCA) was also detected in the fingerprint sample at a low concentration. Since TeCA was not detected in any soil, groundwater, or soil vapor samples at the Site, this result is likely an anomaly possibly related to a trace impurity in the oil. A copy of the laboratory analytical report is provided in Appendix H.

6.0 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

The objective of the Qualitative Human Health Exposure Assessment (QHHEA) is to identify potential receptors and pathways for human exposure to the COCs that are present at, and potentially migrating from, the Site. The identification of exposure pathways describes the route that the COCs takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur.

The RI, as described in this RIR, is sufficient to complete a QHHEA. The QHHEA was performed to determine whether the Site poses an existing or future health hazard to the Site's exposed or potentially exposed population. The sampling data was evaluated to determine whether there is any health risk by characterizing the exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. This QHHEA was prepared in accordance with Appendix 3B and Section 3.3 (b) 8 of the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation.

6.1 Contaminants of Concern in Respective Media

Based on the results of the data described in this RIR and the proposed future use of the Site, the COCs are:

Soil

The VOCs acetone, benzene, and xylenes were detected at concentrations above their respective UUSCOs and/or PGWSCOs, but below their respective RRSCOs, in up to 14 soil samples and one blind duplicate sample; SVOCs, including 4-methylphenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene were detected at concentrations above their respective RRSCOs and/or UUSCOs in up to 16 soil samples, two blind duplicate samples, and one sediment/fill sample; the pesticide 4,4'-DDT was detected at a concentration above its UUSCO, but below is RRSCO, in one sample; total PCBs were detected above the UUSCO, but below the RRSCO, in one soil sample and above the UUSCO and RRSCO in one sediment/fill sample; and 10 metals (arsenic, barium, cadmium, copper, lead, mercury, nickel, selenium, silver, and zinc) and cyanide were detected at concentrations above their respective UUSCOs and/or RRSCOs in up to 68 soil samples, three blind duplicate samples, and both sediment/fill samples. TCLP lead levels exceeding the USEPA hazardous waste criteria for toxicity were detected in five soil samples. In addition, PFOA was detected in soil above its UU Guidance Value, but below its RR Guidance Value in four samples.

Groundwater

The petroleum-related VOCs isopropylbenzene and n-propylbenzene were detected at concentrations exceeding their respective AWQSGVs in one groundwater sample; and four total and dissolved metals (iron, magnesium, manganese, and sodium) were detected in the five groundwater samples analyzed for metals. In addition, PFOA was detected above its PFAS Screening Level in the five groundwater samples analyzed for this parameter.

Soil Vapor

Chlorinated solvent-related VOCs, including 1,1,1-TCA, carbon tetrachloride, cis-1,2-dichloroethene, PCE, TCE, and vinyl chloride, were detected with a maximum concentration of 5,200 $\mu g/m^3$ of TCE. Petroleum-related VOCs, including n-butane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1,3-dichlorobenzene, ethylbenzene, n-butane, toluene, and xylenes were detected with a maximum concentration of 2,600 $\mu g/m^3$ of n-butane. Other chlorinated solvent- and petroleum-related VOCs were detected in multiple samples across the Site.

6.2 Exposure Pathway Elements

The five elements of an exposure pathway are:

1. The source of contamination;
2. The environmental media and transport mechanisms;
3. The point of exposure;
4. The route of exposure; and
5. The receptor population.

These elements of an exposure pathway may be based on past, present, or future events. An exposure pathway is considered complete when all five elements of an exposure pathway are documented. A potential exposure pathway exists when any one or more of the five elements comprising an exposure pathway cannot be documented. An exposure pathway may be eliminated from further evaluation when any one of the five elements comprising an exposure pathway has not existed in the past, does not exist in the present, and will never exist in the future.

6.3 Exposure Route

An exposure route is the mechanism by which a receptor comes into contact with a chemical. Three potential primary routes exist by which chemicals can enter the body:

- Ingestion of water, fill, and/or soil;
- Inhalation of vapors and/or particulates; and
- Dermal contact with water, fill, and/or soil.

6.4 Potential Receptors

The Site currently consists of a vacant, concrete-paved area in the western portion of the lot, and an approximately 23,500-square foot, one-story vacant warehouse with a small partial basement and an adjacent gravel-covered area in the eastern portion of the lot. The greater surrounding area includes primarily industrial/warehouse uses, with some commercial, institutional, and residential properties located south and east of the Site. The nearest sensitive receptors (i.e., schools, daycares, or hospitals) include Red Hook Neighborhood School, located approximately 800 feet southeast of the Site at 27 Huntington Street, and Public School 15 (Patrick F. Daly School), located approximately 1,200 feet southwest of the Site at 71 Sullivan Street.

On-Site Receptors: As the Site is currently vacant and is secured with a fence with a locked gate, there are no on-site potential receptors other than visitors granted access to the Site or potential trespassers.

During redevelopment of the Site, the on-site potential receptors will include construction workers and inspectors. Once the Site is redeveloped, the on-site potential receptors will include students, parents, school faculty and staff, vendors, and other community members.

Off-Site Receptors: Potential off-site receptors within a 0.25-mile radius of the Site include adult and child residents, commercial and construction workers, students, and pedestrians/cyclists, based on the following:

1. Commercial/Manufacturing Businesses – existing and future;
2. Residential Buildings – existing and future;
3. Building Construction/Renovation – existing and future;

4. Pedestrians, Cyclists – existing and future;
5. Schools – existing and future; and
6. Day Care Facility(ies) – existing and future.

6.5 Existence of Human Health Exposure Pathways

This section presents an evaluation of whether there are existing or exposure pathways as the Site as defined in Section 6.2.

On-Site Existing Conditions: The Site is vacant and secured by a fence with a locked gate maintained by SCA, and the majority of the Site is capped with the concrete warehouse slab or concrete pavement, with a small gravel-covered area. As the Site is vacant and secured with a fence, the only existing potential exposure pathway would be from any contaminants in exposed on-site shallow fill to trespassers or visitors granted access to the Site. The primary route of exposure would be dermal contact or ingestion. Since the Site is secured by a fence with a locked gate and a majority of it is capped, completion of this potential exposure pathway is unlikely.

Off-Site Existing Conditions: There is a potential off-site exposure pathway from VOCs in soil vapor entering adjacent occupied buildings via cracks and/or openings in building foundations. The indoor air quality at the adjacent properties may be susceptible to contamination from subsurface vapor intrusion. The potential receptors from such a migration pathway into a building would be to off-site commercial workers, and adult and child residents. The primary route of exposure would be inhalation. However, it should be noted VOC concentrations detected in soil vapor samples collected from off-site locations in the sidewalks to the north, south, and west of the site were below those warranting mitigation based on NYSDOH guidance. Groundwater is not used for drinking or other potable purposes in Brooklyn, and the Site and surrounding area is served by a public water supply that is not affected by any Site contamination; therefore, off-site exposure to contaminants in groundwater is not considered a complete pathway.

On-site Future Conditions: Once redevelopment activities begin, construction workers coming into direct contact with surface and subsurface soil and fill as a result of construction and excavation activities will encounter contaminated soil and groundwater during remediation and potential associated dewatering, during which time there is a potential ingestion and/or inhalation pathway of exposure from particulates from any exposed impacted soil and fill. Similarly, off-site receptors could be exposed to particulates and vapors from on-site activities, unless controls to prevent off-site particulate/vapor migration are put in place. However, these potential exposures would be prevented through implementation of a Community Air Monitoring Plan (CAMP) and site-specific HASP during remediation and redevelopment of the Site. After Site redevelopment, direct contact with contaminants in sub-surface soil would be prevented by the slab for the new school building and paved surfaces in the play yard and around the perimeter of the new building. Further, an active sub-slab depressurization system (SSDS) and a waterproofing membrane will be incorporated into the new school building design; therefore, there would be no potential exposure pathway to on-site receptors from the inhalation of any potential off-gassing of VOC vapors from the subsurface.

6.6 Overall Human Health Exposure Assessment

The Site currently consists of a vacant, concrete-paved area in the western portion of the lot, and an approximately 23,500-square foot, one-story vacant warehouse with a small partial basement and an adjacent gravel-covered area in the eastern portion of the lot. The Site is vacant and secured with a locked fence, and the majority of the Site is capped with the warehouse slab, concrete pavement, and gravel, and the slab and pavement were observed to generally be in good condition with few cracks or broken areas. Therefore, ingestion, inhalation, or dermal contact with contaminants via soil/fill, groundwater, and/or soil vapor is not a concern.

Based on the results of the QHHEA, a NYSDEC-approved Remedial Action Work Plan (RAWP), which includes the HASP to protect on-site workers, should be implemented during future redevelopment work to ensure that the potential exposure pathways identified do not become complete. The RAWP would also include a CAMP compliant with Appendices 1A and 1B of DER-10. The RAWP should address the contaminated soil/fill, groundwater, and soil vapor identified at the Site, and include provisions for the installation/implementation of certain engineering and/or institutional controls (ECs and/or ICs, respectively) to address residual contamination that may remain following remediation.

6.7 Conceptual Site Model

Concentrations of COCs and potential COCs in soil/fill, groundwater, and soil vapor have been characterized across the entire Site to the extent feasible. This RI, along with the findings from previous environmental investigations of the Site, concluded that contaminated soil/fill, groundwater, and soil vapor are present at the Site. The primary COCs at the Site include petroleum-related VOCs, SVOCs, and metals in soil/fill; petroleum-related VOCs in groundwater; and chlorinated solvent- and petroleum-related VOCs in soil vapor.

The detections of SVOCs and metals in soil is attributable to historic fill material, which was encountered across the Site from surface grade to depths ranging from approximately 9 to 16 feet bgs. The fill was historically placed Site-wide and across the general surrounding area to fill in former streams/wetlands in support of original development of the area, as was a common practice along New York City shorelines. The concentrations of SVOCs and metals in soil/fill across the Site are variable, which is expected based on the heterogeneity of the fill. The generally higher lead concentrations in the southeastern portion of the warehouse building appear to be associated with the characteristics of the fill material that was placed at approximately 5 to 8 feet below grade in this portion of the Site.

Field evidence of gross petroleum contamination was observed throughout the southern half of the warehouse, including petroleum-like odors, PID readings greater than 100 ppm, and NAPL in soil and groundwater. In general, the gross contamination extended from a few feet above the groundwater interface, which was observed between approximately 6.2 to 8 feet bgs, to approximately 12 to 13 feet bgs, with NAPL observed as deep as approximately 17 feet bgs in two borings (RI-SB-07 and RI-SB-09). Based on hydrocarbon fingerprint analysis of the LNAPL sample collected from MW-07, which identified the product as a highly-refined white oil or mineral oil, this contamination appears to be related to the former Vaseline manufacturing operations at the Site, possibly due to leaks from the "Oil Recovery Tank" noted at the factory on the 1904 Sanborn map at the southeastern property boundary. The LNAPL also contained a smaller fraction of gasoline- and diesel-range organics, which may be related to the underground storage tank identified in the central portion of the warehouse and/or contaminants in the fill material. Further action is warranted to properly address the gross petroleum contamination observed, and to close Spill No. 1902328, which was reported following the initial discovery of NAPL at the Site during the Phase II ESI in June 2019.

Some evidence of residual petroleum contamination was observed in some of the soil borings advanced in the western portion of the Site, including petroleum-like odors and elevated PID readings at and below the groundwater interface, benzene and xylene concentrations above the SCOs near the groundwater interface in RI-SB-01, RI-SB-03, and RI-SB-14, and n-propylbenzene and isopropylbenzene concentrations above their respective AWQSGVs in RI-MW-14. These findings are attributed to historical storage and use of petroleum products during former Site operations, including potential releases from the underground storage tank identified in the area between RI-SB-14 and RI-SB-13. Although some petroleum-like odors were noted on soil below the water table at RI-SB-25, located on the Richards Street sidewalk west of the Site boundary, there were no exceedances of petroleum-related compounds detected in soil samples from this boring or in the groundwater sample from the associated monitoring well, indicating that there is no significant off-site migration of the petroleum contamination from this area.

Although metals were detected above AWQSGVs in groundwater across the entire Site, these concentrations are typical of groundwater quality in coastal Brooklyn and are expected in an area that formerly contained saltwater marshland and was filled with materials of unknown origin. Because the concentrations of metals were detected in both the total and dissolved samples, these detections are most likely related to regional groundwater quality and/or naturally occurring background conditions.

The PFAS compound PFOA was detected in soil samples at concentrations above its UU Guidance Value, but below its RR Guidance Value, and in groundwater samples at concentrations above its PFAS ambient water quality Guidance Value. The concentrations of PFOA in soil/fill are attributed to historic fill material, and not to a release or other on-site source area, while the concentrations in groundwater are attributable to an off-site source and/or background conditions.

Chlorinated solvent- and petroleum-related VOCs were detected in soil vapor. TCE was detected at concentrations of 120, 1,100, and 5,200 µg/m^3 in soil vapor points RI-SV-32, RI-RI-SV-29 and RI-SV-05, respectively, in the northeastern portion of the warehouse; 1,1,1-TCA was detected at a concentration of 3,800 µg/m^3 in RI-SV-02 in the north-central portion of the concrete-paved lot; and PCE was detected at concentrations ranging from 160 to 220 µg/m^3 in RI-SV-02, RI-SV-16, and RI-SV-17 in the north-central and south-central portions of the concrete-paved lot; all other chlorinated VOC concentrations in soil vapor were below 100 µg/m^3. The chlorinated VOCs in soil vapor are attributed to residual vapors beneath the concrete slabs from potential incidental use of solvents during historical site operations, or possibly due to migration from an off-site sources (e.g., through utility line trenches), but are not indicative of a source area(s) since the elevated detections are isolated in nature and no chlorinated solvents were detected above the regulatory comparison criteria in soil or groundwater at the Site. The petroleum-related VOC n-butane was detected at a concentrations of 2,600 µg/m^3 in RI-SV-09 in the southeastern portion of the warehouse; all other petroleum-related VOCs detected in the soil vapor samples were at relatively lower concentrations, below 300 µg/m^3. The petroleum-related VOCs in soil vapor are attributed to the gross petroleum contamination observed at the Site and/or background conditions. The redevelopment of the Site will include the installation of an active SSDS and a waterproofing membrane to mitigate vapor intrusion from potential off-gassing of VOC vapors from the subsurface.

7.0 CONCLUSIONS

This RIR summarizes the RI work performed between June and August 2022 at the Site. The goal of the RI was to determine the horizontal and vertical extent of contamination at the Site. The Site is enrolled in the BCP under Site No. C224302, and the BCA between NYSDEC and the NYCSCA was executed on May 1, 2023 (Index No. C224302-02-23). As noted earlier, the previous BCA executed between NYSDEC and 35 Delevan Owners, LLC, a former Site owner, was terminated on July 31, 2022. The work summarized in this RIR was conducted in general accordance with the NYSDEC-approved October 2020 RIWP prepared by Langan on behalf of 35 Delevan Owners, LLC, which included a HASP and a QAPP, and the NYSDEC DER-10 document.

Based on the RI results, along with the findings from previous environmental investigation of the Site, the nature and extent of contaminated soil, groundwater, and soil vapor at the Site has been determined. The primary COCs include petroleum-related VOCs, SVOCs, and metals in soil/fill; petroleum-related VOCs in one groundwater monitoring well; and chlorinated solvent- and petroleum-related VOCs in soil vapor.

The RI documented historic fill with Site-wide contaminant concentrations exceeding the RRSCOs from surface grade down to approximately 15 feet bgs. The laboratory detections are consistent with field observations, which were used to determine the extent of the historic fill layer (i.e., across the entire Site).

Evidence of gross petroleum contamination was observed throughout the southern half of the warehouse, including petroleum-like odors, PID readings greater than 100 ppm, and NAPL on soil and groundwater. In general, the gross contamination extended from a few feet above the groundwater interface, which was observed between approximately 6.2 to 8 feet bgs, to approximately 12 to 13 feet bgs, with NAPL observed as deep as approximately 17 feet bgs in two locations. Some evidence of residual petroleum contamination was observed in several of the soil borings advanced in the western portion of the Site, including petroleum-like odors and elevated PID readings at and below the groundwater interface, and petroleum-related VOCs above the regulatory comparison criteria in soil and one groundwater monitoring well location.

Although metals were detected above AWQSGVs in groundwater across the Site, these concentrations are typical of groundwater quality in coastal Brooklyn and are most likely related to regional groundwater contamination and/or naturally occurring background conditions.

The PFAS compound PFOA was detected in soil and groundwater samples at concentrations above applicable comparison criteria; however, the detections were attributable to historic fill material (soil) and an off-site source and/or background conditions typical of Brooklyn (groundwater), and were not indicative of an on-site release or source area.

Chlorinated solvent- and petroleum-related VOCs were detected in soil vapor. The chlorinated VOCs in soil vapor are attributed to residual vapors beneath the concrete slabs from potential incidental use of solvents during historical site operations, or possibly due to migration from an off-site sources (e.g., through utility line trenches), but are not indicative of a source area(s) since the elevated detections are isolated in nature and no chlorinated solvents were detected above the regulatory comparison criteria in soil or groundwater at the Site. The petroleum-related VOCs in soil vapor are primarily attributable to the petroleum contamination that was observed at the Site.

FIGURES

AKRF
440 Park Avenue South, New York, NY 10016

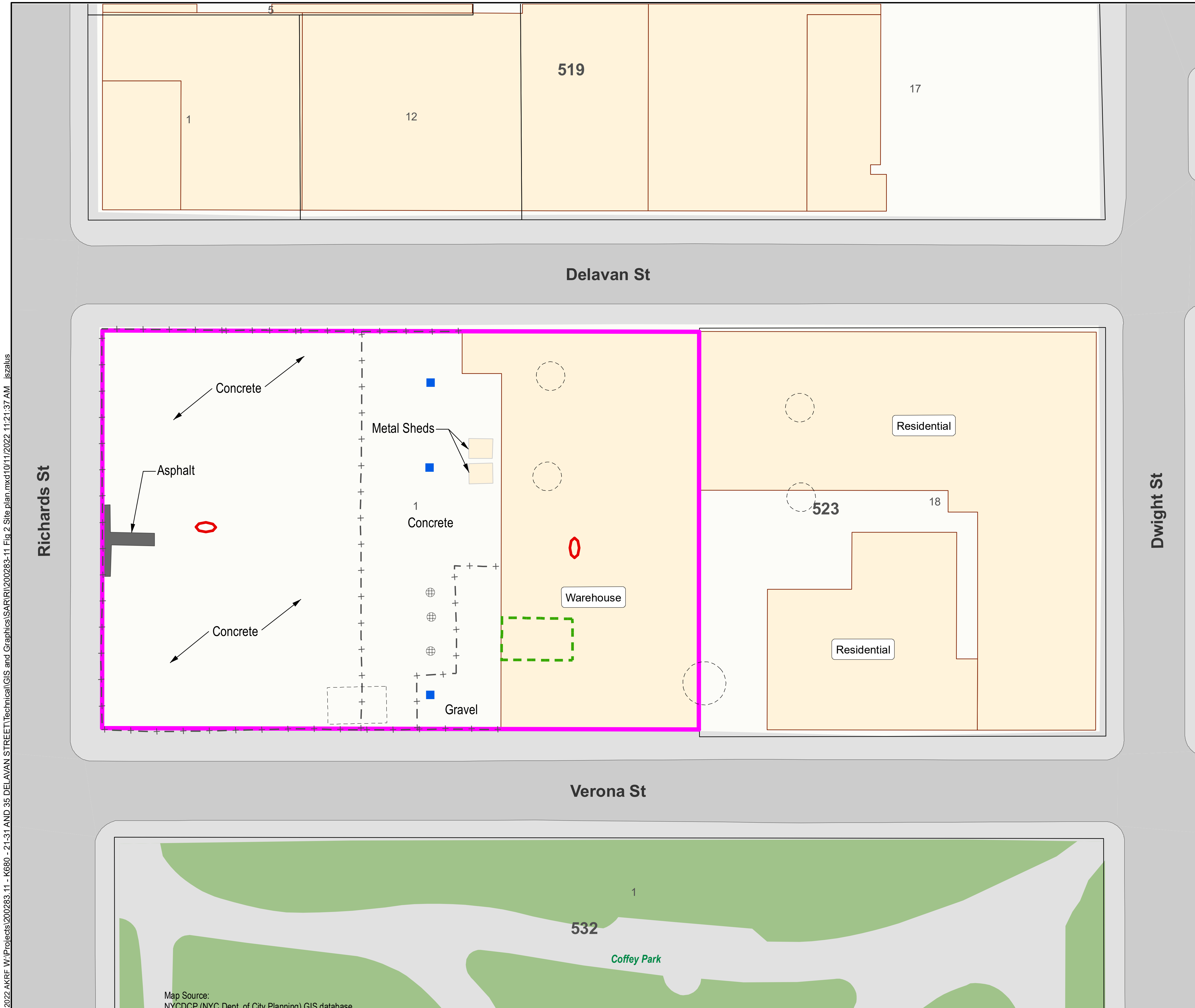
Former Chesebrough Manufacturing
46 Verona Street
Brooklyn, New York

SITE LOCATION

DATE
9/19/2022

PROJECT NO.
200283.11

FIGURE
1



PLAN NORTH

LEGEND

PROJECT SITE BOUNDARY

1 LOT BOUNDARY AND TAX LOT NUMBER

523 BLOCK NUMBER

BUILDING

APPROXIMATE LOCATION OF STORM DRAIN-MANHOLE

APPROXIMATE LOCATION OF STORM DRAIN-GRATE

FENCE LINE

APPROXIMATE EXTENT OF WAREHOUSE BASEMENT

FORMER OIL STORAGE TANK (SHOWN ON HISTORICAL SANBORN MAPS)

FORMER OIL STORAGE AREA (SHOWN ON HISTORICAL SANBORN MAPS)

APPROXIMATE LOCATION OF UST (UNDERGROUND STORAGE TANK)

0 25 50 100

SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

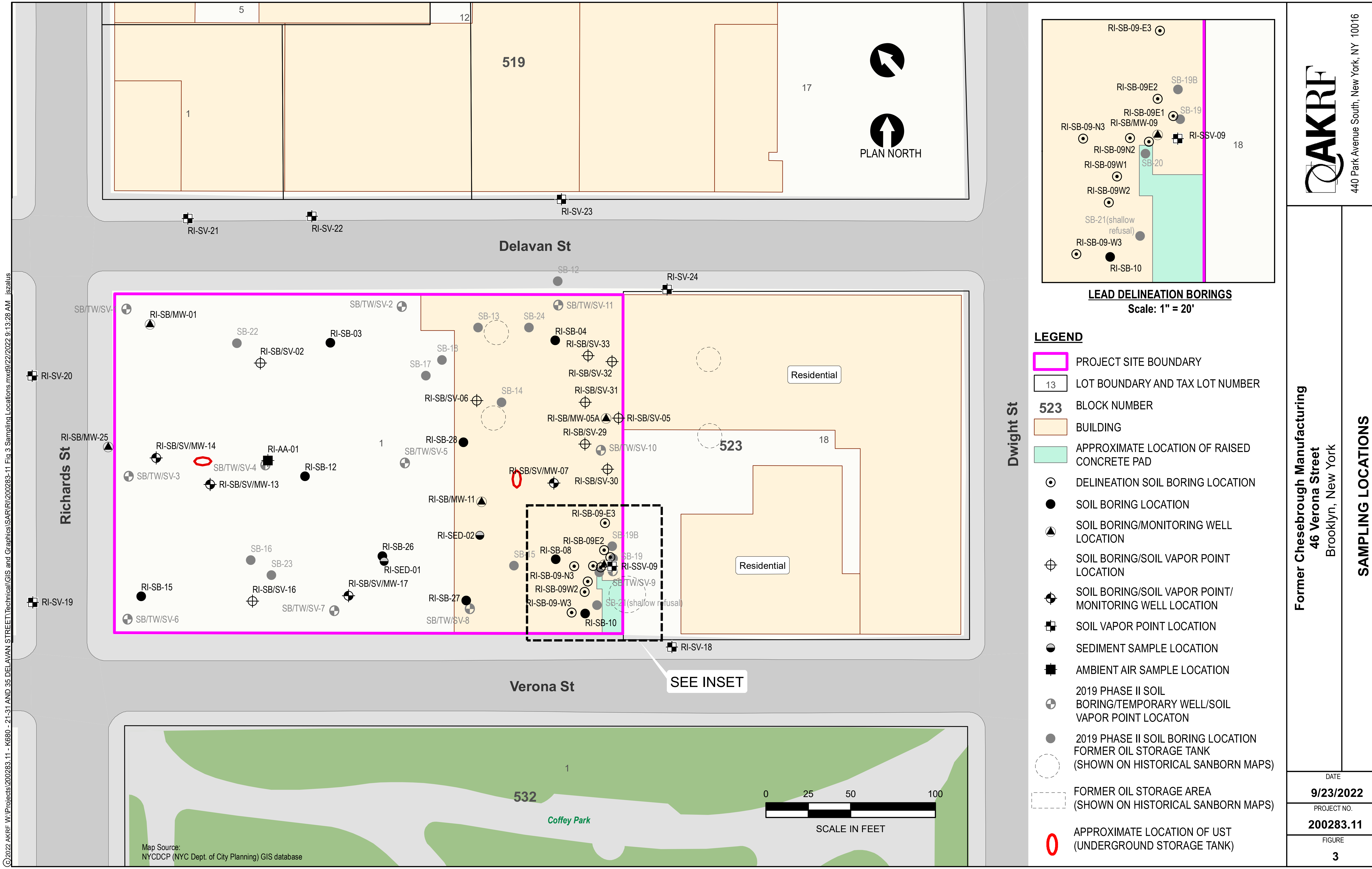
Former Chesebrough Manufacturing
46 Verona Street
Brooklyn, New York

SITE PLAN

DATE
10/11/2022

PROJECT NO.
200283.11

FIGURE
2


519
523
532
PLAN NORTH
Delavan St
Verona St
Richards St
Dwight St
Coffey Park
Residential
SEE INSET
RI-SV-18
RI-SV-19
RI-SV-20
RI-SV-21
RI-SV-22
RI-SV-23
RI-SV-24
RI-SB/MW-01
RI-SB/SV-02
RI-SB-03
RI-SB-04
RI-SB/SV-05
RI-SB/MW-05A
RI-SB/SV-06
RI-SB/SV/MW-07
RI-SB-08
RI-SB/MW-11
RI-SB-12
RI-SB/SV/MW-13
RI-SB/SV/MW-14
RI-SB-15
RI-SB/SV-16
RI-SB/SV/MW-17
RI-SB-26
RI-SB-27
RI-SB-28
RI-SB/SV-29
RI-SB/SV-30
RI-SB/SV-31
RI-SB/SV-32
RI-SB/SV-33
RI-SB/MW-25
RI-AA-01
RI-SED-01
RI-SED-02
RI-SSV-09
RI-SB-10
SB/TW/SV-2
SB/TW/SV-3
SB/TW/SV-4
SB/TW/SV-5
SB/TW/SV-6
SB/TW/SV-7
SB/TW/SV-8
SB/TW/SV-9
SB/TW/SV-10
SB/TW/SV-11
SB-12
SB-13
SB-14
SB-15
SB-16
SB-17
SB-18
SB-19
SB-19B
SB-21(shallow refusal)
SB-22
SB-23
SB-24
0 25 50 100
SCALE IN FEET
Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database
RI-SB-09-E3
RI-SB-09E2
RI-SB-09E1
RI-SB/MW-09
RI-SB-09-N3
RI-SB-09N2
RI-SB-09W1
RI-SB-09W2
RI-SB-09-W3
SB-20
LEAD DELINEATION BORINGS
Scale: 1" = 20'
LEGEND
PROJECT SITE BOUNDARY
LOT BOUNDARY AND TAX LOT NUMBER
BLOCK NUMBER
BUILDING
APPROXIMATE LOCATION OF RAISED CONCRETE PAD
DELINEATION SOIL BORING LOCATION
SOIL BORING LOCATION
SOIL BORING/MONITORING WELL LOCATION
SOIL BORING/SOIL VAPOR POINT LOCATION
SOIL BORING/SOIL VAPOR POINT/ MONITORING WELL LOCATION
SOIL VAPOR POINT LOCATION
SEDIMENT SAMPLE LOCATION
AMBIENT AIR SAMPLE LOCATION
2019 PHASE II SOIL BORING/TEMPORARY WELL/SOIL VAPOR POINT LOCATON
2019 PHASE II SOIL BORING LOCATION
FORMER OIL STORAGE TANK (SHOWN ON HISTORICAL SANBORN MAPS)
FORMER OIL STORAGE AREA (SHOWN ON HISTORICAL SANBORN MAPS)
APPROXIMATE LOCATION OF UST (UNDERGROUND STORAGE TANK)
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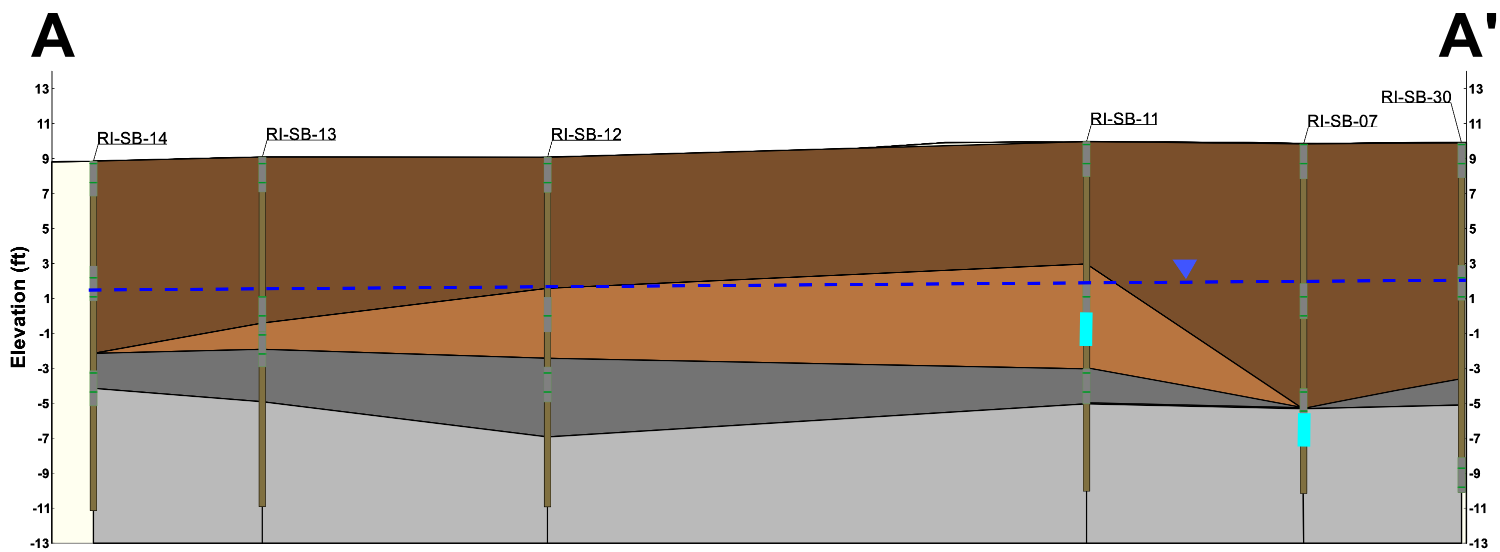
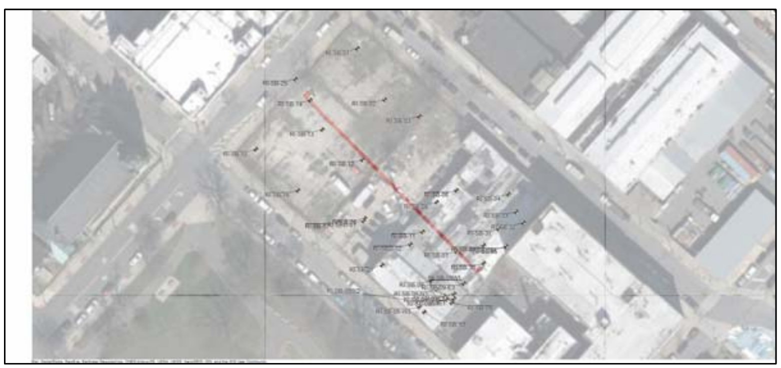
Former Chesebrough Manufacturing
46 Verona Street
Brooklyn, New York
SAMPLING LOCATIONS
DATE
9/23/2022
PROJECT NO.
200283.11
FIGURE
3
©2022 AKRF W:\Projects\200283.11 - K680 - 21-31 AND 35 DELAVAN STREET\Technical\GIS and Graphics\SAR\RI\200283-11 Fig 3 Sampling Locations.mxd9/22/2022 9:13:28 AM iszalus





Stratigraphy

- Fill (Sand/Silt/C&D)
- Fill (Sand w Silt/Gr.)
- Silt/Clay
- Fine Sand/SIlt

Soil Borings

- Boring
- Sample Interval

Note: NAPL observed on soil at aqua highlighted intervals.

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Brooklyn, NY

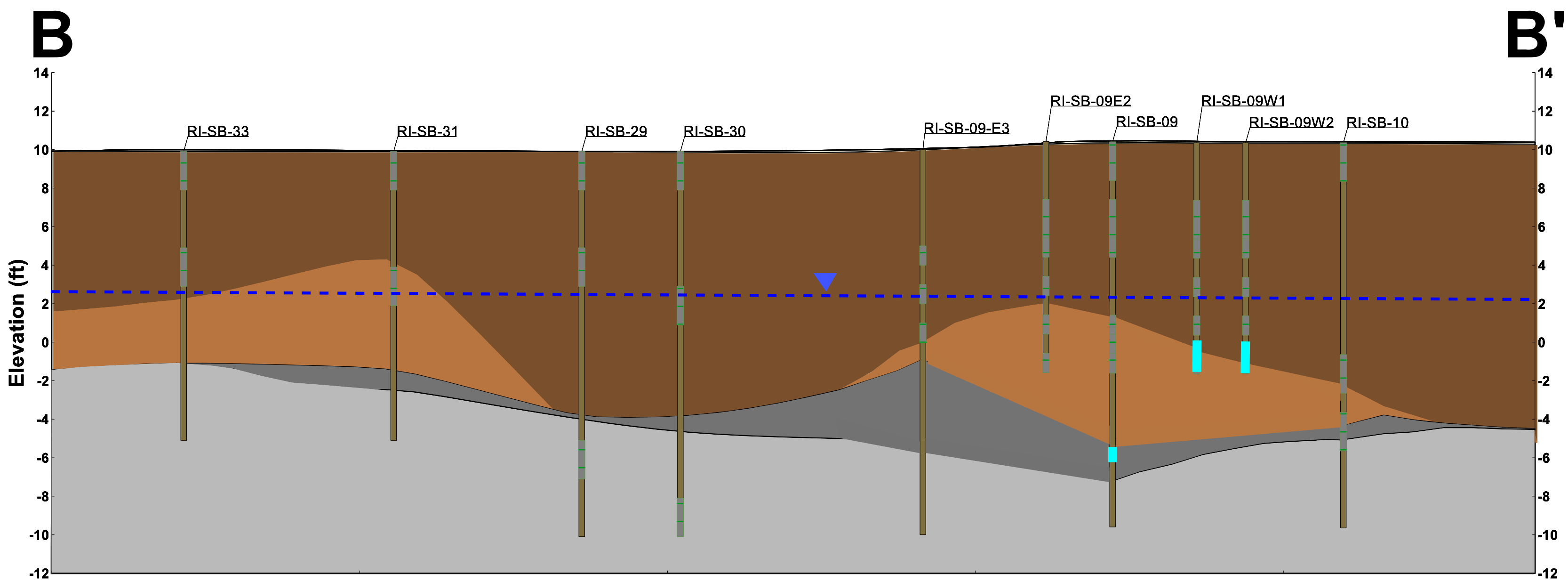
Geological Cross Section - West/East

Date
10/14/2022

Project No.
200283.11

Figure
4A

W:\Projects\200283.11 - K680 - 21-31 AND 35 DELAVAN STREET\Technical\Hazmat\EQUIS\EI\200283-11Xsec.vizx



Soil Boring
Boring
Sample Interval

Stratigraphy
Fill (Sand/Silt/C&D)
Fill (Sand w Silt/Gr.)
Silt/Clay
Fine Sand/SIlt

Note: NAPL observed on soil at aqua highlighted intervals

440 Park Avenue South, New York, NY 10016

Former Chesebrough Manufacturing
46 Verona Street
Brooklyn, NY

Geological Cross Section - North/South

Date
10/14/2022

Project No.
220283.11

Figure
4B

W:\Projects\200283.11 - K680 - 21-31 AND 35 DELAVAN STREET\Technical\Hazmat\EQUIS\EI\200283-11Xsec.vizx

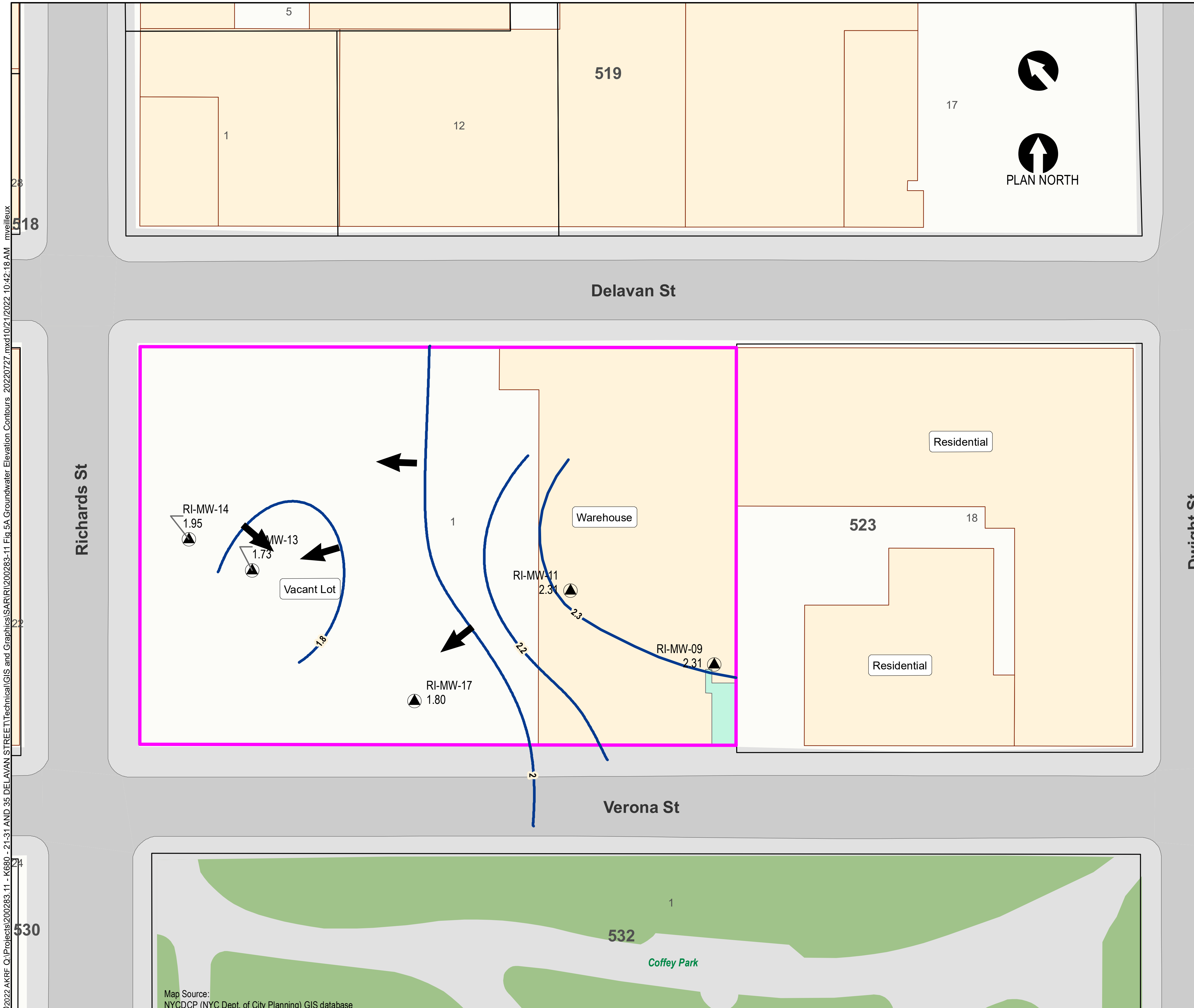


FIGURE 4A - GROUNDWATER ELEVATIONS - JULY 27, 2022

Monitoring Well ID	Top of Well Casing Elev. (feet NAVD 88)	Date	DTW (feet)	Groundwater Elevation (feet NAVD 88)
MW-09	10.21	7/27/2022	7.90	2.31
MW-11	9.13	7/27/2022	6.82	2.31
MW-13	8.61	7/27/2022	6.88	1.73
MW-14	8.83	7/27/2022	6.88	1.95
MW-17	8.44	7/27/2022	6.64	1.80

Notes:
All Elevations are relative to the North American Vertical Datum of 1988 (NAVD 88)

LEGEND

- PROJECT SITE BOUNDARY
- LOT BOUNDARY AND TAX LOT NUMBER
- BUILDING
- APPROXIMATE LOCATION OF RAISED CONCRETE PAD
- GROUNDWATER CONTOURS
- MONITORING WELL LOCATION WITH GROUNDWATER ELEVATION IN FEET (NAVD88)
- INFERRED GROUNDWATER FLOW DIRECTION

0 25 50 100
SCALE IN FEET

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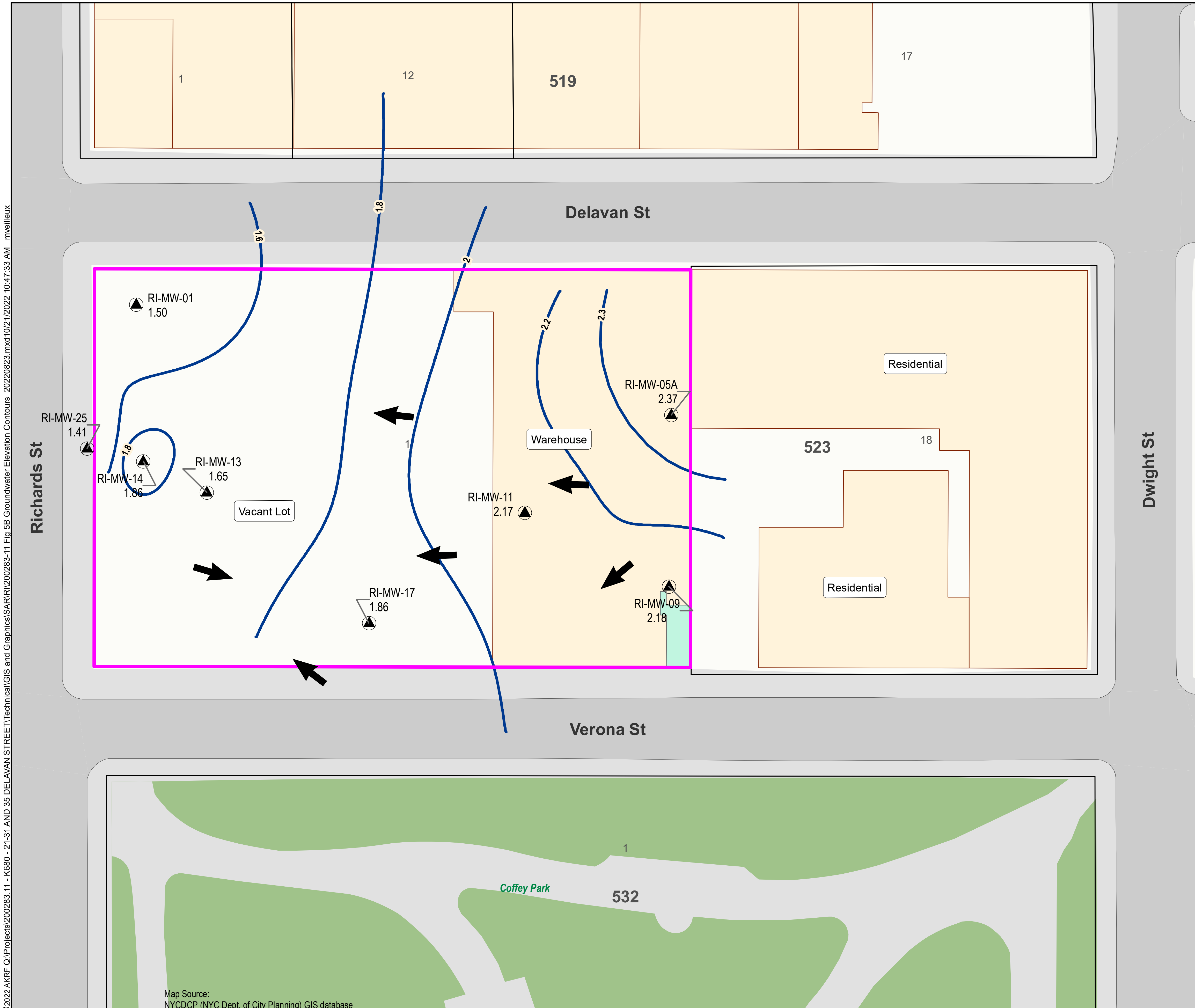
Brooklyn, New York

Groundwater Elevation Contour Map - July 27, 2022

DATE
10/21/2022

PROJECT NO.
200283.11

FIGURE
5A



PLAN NORTH

FIGURE 4B - GROUNDWATER ELEVATIONS - AUGUST 23, 2022				
Monitoring Well ID	Top of Well Casing Elev. (feet NAVD 88)	Date	DTW (feet)	Groundwater Elevation (feet NAVD 88)
MW-01	8.15	8/23/2022	6.65	1.50
MW-05A	9.42	8/23/2022	7.05	2.37
MW-09	10.21	8/23/2022	8.03	2.18
MW-11	9.13	8/23/2022	6.96	2.17
MW-13	8.61	8/23/2022	6.96	1.65
MW-14	8.83	8/23/2022	6.97	1.86
MW-17	8.44	8/23/2022	6.58	1.86
MW-25	8.39	8/23/2022	6.98	1.41

Notes:
All Elevations are relative to the North American Vertical Datum of 1988 (NAVD 88)

LEGEND

- PROJECT SITE BOUNDARY
- 13 LOT BOUNDARY AND TAX LOT NUMBER
- BUILDING
- APPROXIMATE LOCATION OF RAISED CONCRETE PAD
- MONITORING WELL LOCATION WITH GROUNDWATER ELEVATION IN FEET (NAVD88)
- GROUNDWATER CONTOURS
- INFERRED GROUNDWATER FLOW DIRECTION

0 25 50 100
SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

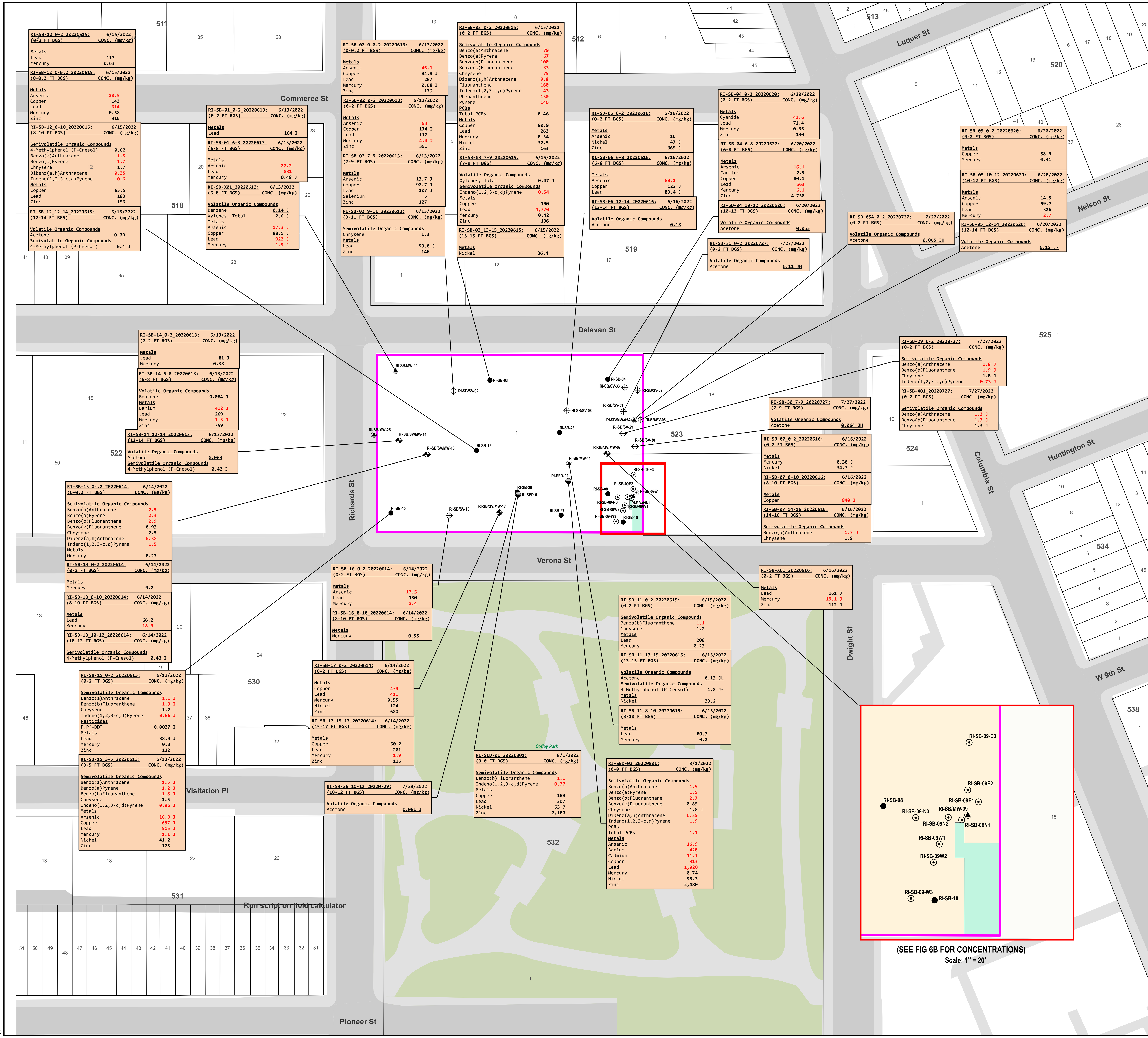
Former Chesebrough Manufacturing
46 Verona Street
Brooklyn, New York

Groundwater Elevation Contour Map - August 23, 2022

DATE
10/21/2022

PROJECT NO.
200283.11

FIGURE
5B



LEGEND

- PROJECT SITE BOUNDARY
- LOT BOUNDARY AND TAX LOT NUMBER
- 523 BLOCK NUMBER
- APPROXIMATE LOCATION OF RAISED CONCRETE PAD
- DELINEATION SOIL BORING
- SOIL BORING LOCATION
- SOIL BORING/MONITORING WELL LOCATION
- SOIL BORING/SOIL VAPOR POINT LOCATION
- SOIL BORING/SOIL VAPOR POINT/ MONITORING WELL LOCATION
- SEDIMENT SAMPLE LOCATION

PLAN NORTH

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.

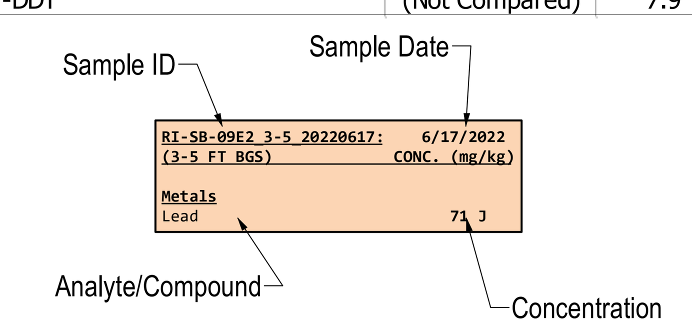
Exceedances of NYSDEC Protected Groundwater Soil Cleanup Objectives (PGWSCOs) for VOCs are presented in underlined font.

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

J: The reported value is estimated.
J-: Sample result is estimated and biased low.
H: Sample result is estimated and biased high.
L: Sample result is estimated and biased low.

RI-SB-X01_20220613 is a blind duplicate of sample RI-SB-01_6-8_20220613
RI-SB-X01_20220616 is a blind duplicate of sample RI-SB-07_0-2_20220616.
RI-SB-X01_20220727 is a blind duplicate of sample RI-SB-29_0-

	PGWSCO mg/kg	RRSCO mg/kg	UUSCO mg/kg
Volatile Organic Compounds			
Acetone	0.05	100	0.05
Benzene	0.06	4.8	0.06
Xylenes, Total	1.6	100	0.26
Semivolatile Organic Compounds			
4-Methylphenol (P-Cresol)	(Not Compared)	100	0.33
Benzo(a)Anthracene	(Not Compared)	1	1
Benzo(a)Pyrene	(Not Compared)	1	1
Benzo(b)Fluoranthene	(Not Compared)	1	1
Benzo(k)Fluoranthene	(Not Compared)	3.9	0.8
Chrysene	(Not Compared)	3.9	1
Dibenz(a,h)Anthracene	(Not Compared)	0.33	0.33
Fluoranthene	(Not Compared)	100	100
Indeno(1,2,3-c,d)Pyrene	(Not Compared)	0.5	0.5
Phenanthrene	(Not Compared)	100	100
Pyrene	(Not Compared)	100	100
Metals			
Arsenic	(Not Compared)	16	13
Barium	(Not Compared)	400	350
Cadmium	(Not Compared)	4.3	2.5
Copper	(Not Compared)	270	50
Cyanide	(Not Compared)	27	27
Lead	(Not Compared)	400	63
Mercury	(Not Compared)	0.81	0.18
Nickel	(Not Compared)	310	30
Selenium	(Not Compared)	180	3.9
Silver	(Not Compared)	180	2
Zinc	(Not Compared)	10000	109
PCBs			
Total PCBs	(Not Compared)	1	0.1
Pesticides			
P,P'-DDT	(Not Compared)	7.9	0.0033



0 25 50 100
SCALE IN FEET

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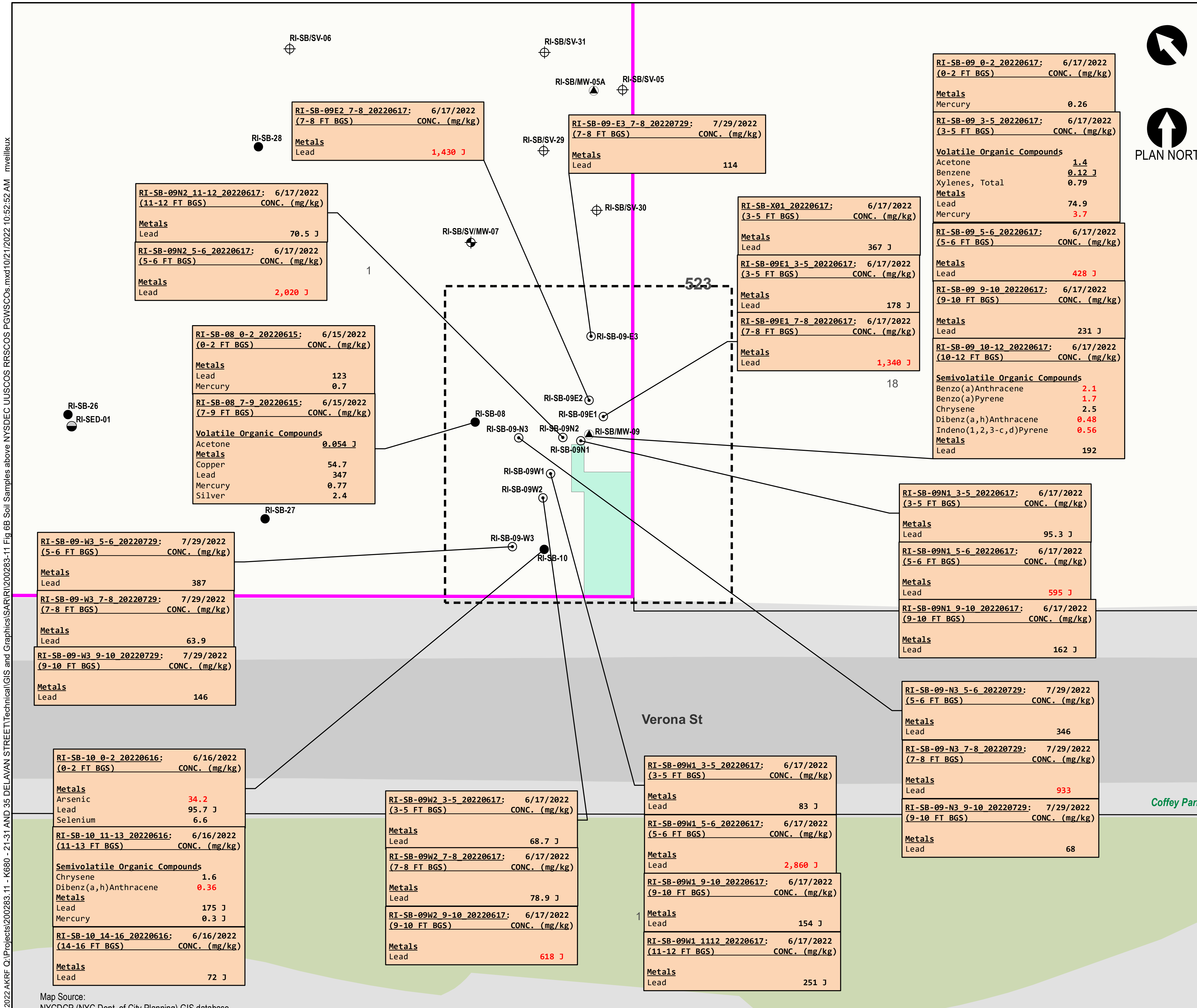
46 Verona Street
Brooklyn, New York

Soil Sample Concentrations Above NYSDEC UUSCOs, RRSCOs and/or PGWSCOs.

DATE
10/21/2022

PROJECT NO.
200283.11

FIGURE
6A



PLAN NORTH

LEGEND

- PROJECT SITE
- 1 LOT BOUNDARY AND TAX LOT NUMBER
- 523 BLOCK NUMBER
- APPROXIMATE LOCATION OF RAISED CONCRETE PAD
- DELINEATION SOIL BORING
- SOIL BORING
- SOIL BORING/MONITORING WELL LOCATION
- SOIL BORING/SOIL VAPOR POINT LOCATION
- SOIL BORING/SOIL VAPOR POINT/ MONITORING WELL LOCATION
- SEDIMENT SAMPLE

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.

Exceedances of NYSDEC Protected Groundwater Soil Cleanup Objectives (PGWSCOs) are presented in underlined font.

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

J: The reported value is estimated.

RI-SB-X01_20220617 is a blind duplicate of sample RI-SB-09E1_3-5_20220617

	PGWSCO mg/kg	RRSCO mg/kg	UUSCO mg/kg
Volatile Organic Compounds			
Acetone	0.05	100	0.05
Benzene	0.06	4.8	0.06
Xylenes, Total	1.6	100	0.26
Semivolatile Organic Compounds			
Benzo(a)Anthracene	(Not Compared)	1	1
Benzo(a)Pyrene	(Not Compared)	1	1
Chrysene	(Not Compared)	3.9	1
Dibenz(a,h)Anthracene	(Not Compared)	0.33	0.33
Indeno(1,2,3-c,d)Pyrene	(Not Compared)	0.5	0.5
Pyrene	(Not Compared)	100	100
Metals			
Arsenic	(Not Compared)	16	13
Copper	(Not Compared)	270	50
Lead	(Not Compared)	400	63
Mercury	(Not Compared)	0.81	0.18
Silver	(Not Compared)	180	2

Sample ID — Sample Date

RI-SB-09E2_3-5_20220617: 6/17/2022
(3-5 FT BGS) CONC. (mg/kg)
Metals
Lead 71 J

Concentration — Analyte/Compound

0 10 20 40

SCALE IN FEET

AKRF

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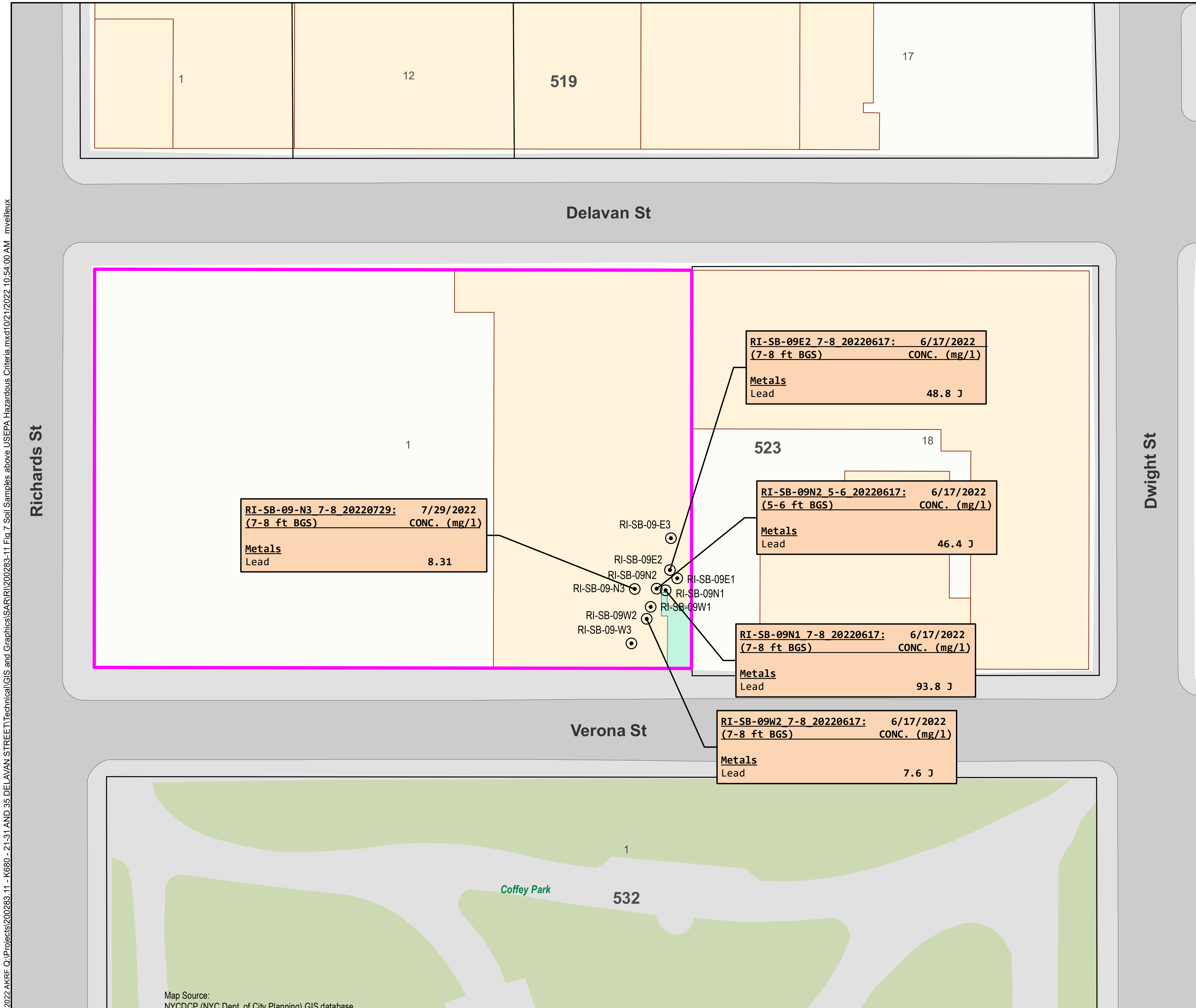
Former Chesebrough Manufacturing
46 Verona Street
Brooklyn, New York

Soil Sample Concentrations Above NYSDEC UUSCOs, RRSCOs and/or PGWSCOs.

DATE
10/21/2022

PROJECT NO.
200283.11

FIGURE
6B



PLAN NORTH

LEGEND

- PROJECT SITE BOUNDARY
- 1 LOT BOUNDARY AND TAX LOT NUMBER
- 523 BLOCK NUMBER
- BUILDING
- APPROXIMATE LOCATION OF RAISED CONCRETE PAD
- DELINEATION SOIL BORING LOCATION

EPA Hazardous Waste Criteria: CFR Title 40 (Protection of the Environment) Part 261.24 (b) Table 1—Maximum Concentration of Contaminants for the Toxicity Characteristic.

Exceedances of the EPA Hazardous Waste Criteria are shown in bold font.

mg/l: milligrams per liter = parts per million (ppm)

J: The concentration given is an estimated value.
BGS: Below Ground Surface

	EPA Hazardous Waste mg/l
Metals	
Lead	5

Sample ID — Sample Date

RI-SB-09N2_5-6_20220617: 6/17/2022
(5-6 ft BGS) CONC. (mg/l)
Metals
Lead 46.4 J

Analyte/Compound — Concentration

0 25 50 100
SCALE IN FEET

AKRF
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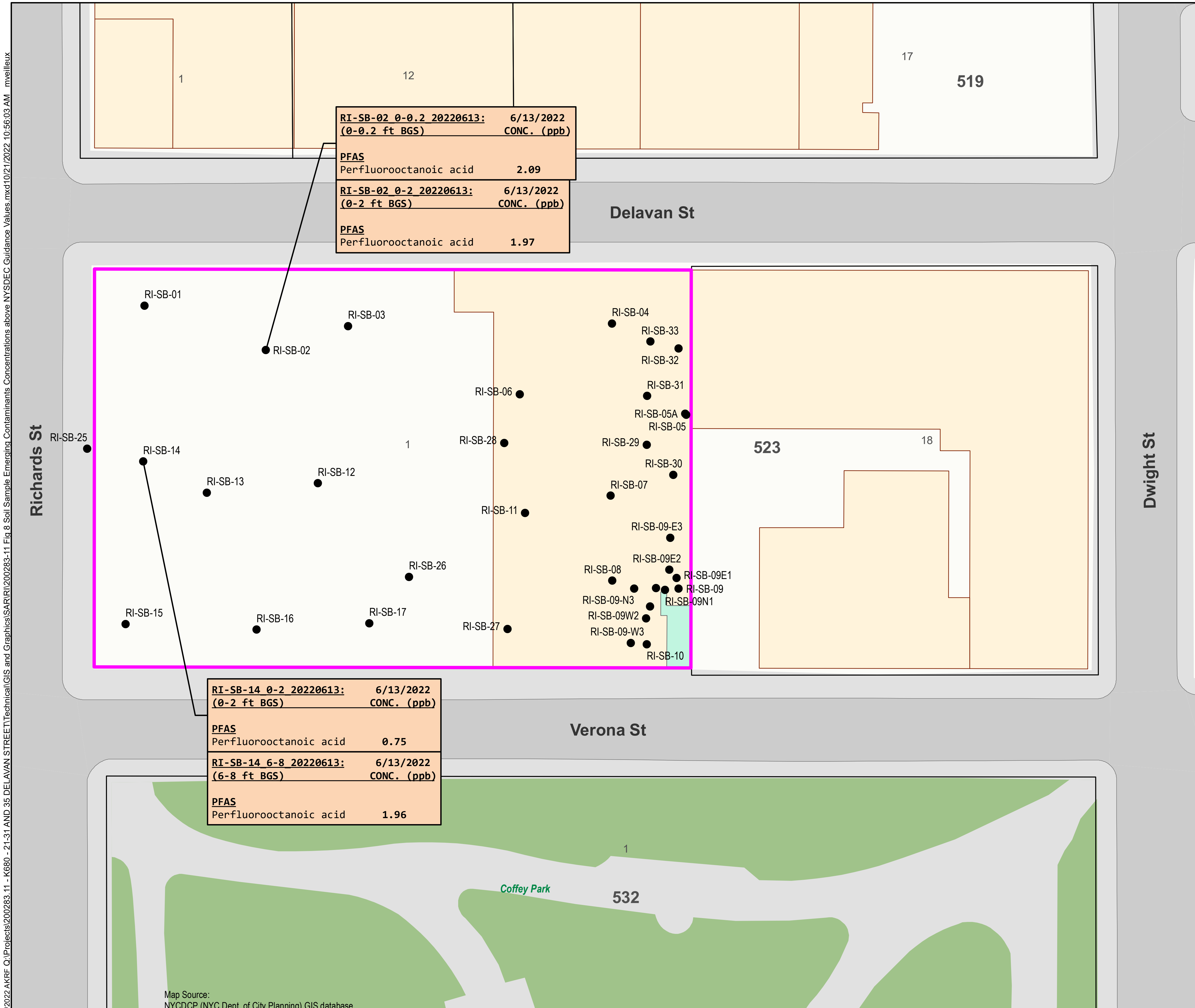
Former Chesebrough Manufacturing
46 Verona Street
Brooklyn, New York

SOIL SAMPLE CONCENTRATIONS ABOVE THE USEPA HAZARDOUS WASTE CRITERIA

DATE
10/21/2022

PROJECT NO.
200283.11

FIGURE
7



PLAN NORTH

LEGEND

- PROJECT SITE BOUNDARY
- 1 LOT BOUNDARY AND TAX LOT NUMBER
- 523 BLOCK NUMBER
- BUILDING
- APPROXIMATE LOCATION OF RAISED CONCRETE PAD
- SOIL BORING LOCATION

UUGV/RRGV.- Guidance Value for Unrestricted and Restricted Residential Use listed in New York State Department of Environmental Conservation (NYSDEC) "Sampling, Analysis, and Assessment of PFAS", June 2021.

Exceedances of the UUGVs are shown in bold font.

ppb: parts per billion
PFAS: Polyfluoroalkyl Substances
BGS: Below Ground Surface

	UUGVs ppb	RRGVs ppb
PFAS		
Perfluorooctanoic acid (PFOA)	0.66	33

Sample ID — Sample Date

RI-SB-02 0-2 20220613: (0-2 ft BGS)	6/13/2022 CONC. (ppb)
PFAS	
Perfluorooctanoic acid	1.97

Analyte/Compound — Concentration

0 25 50 100
SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

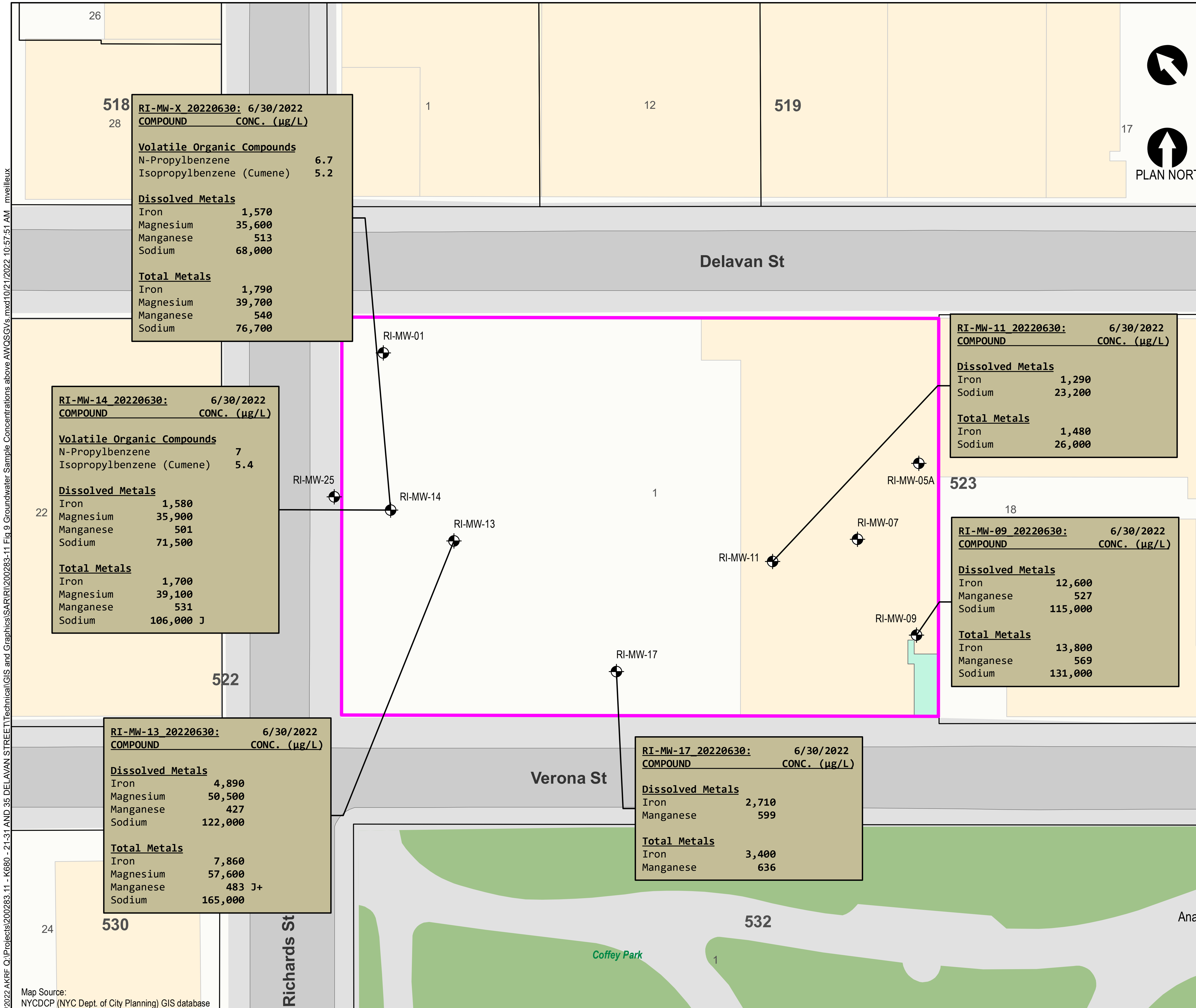
Former Chesebrough Manufacturing
46 Verona Street Street
Brooklyn, New York

SOIL SAMPLE EMERGING CONTAMINANTS CONCENTRATIONS ABOVE NYSDEC GUIDANCE VALUES

DATE
10/21/2022

PROJECT NO.
200283.11

FIGURE
8



PLAN NORTH

LEGEND

PROJECT SITE BOUNDARY
1 LOT BOUNDARY AND TAX LOT NUMBER
523 BLOCK NUMBER
BUILDING
APPROXIMATE LOCATION OF RAISED CONCRETE PAD
MONITORING WELL LOCATION

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

µg/L = micrograms per liter = parts per million (ppb)

J: The reported value is estimated.
J+: Sample result is estimated and biased high.

Only Exceedances of NYSDEC AWQSGVs are shown in bold font.

RI-MW-X_20220630 is a blind duplicate of sample RI-MW-14_20220630

	NYSDEC AWQSGVs ug/l
Volatile Organic Compounds	
N-Propylbenzene	5
Isopropylbenzene (Cumene)	5
Metals	
Iron	300
Magnesium	35,000
Manganese	300
Sodium	20,000

Sample ID
Sample Date

RI-MW-17_20220630: 6/30/2022
COMPOUND CONC. (µg/L)
Dissolved Metals
Iron 2,710
Manganese 599
Total Metals
Iron 3,400
Manganese 636

Analyte/Compound
Concentration

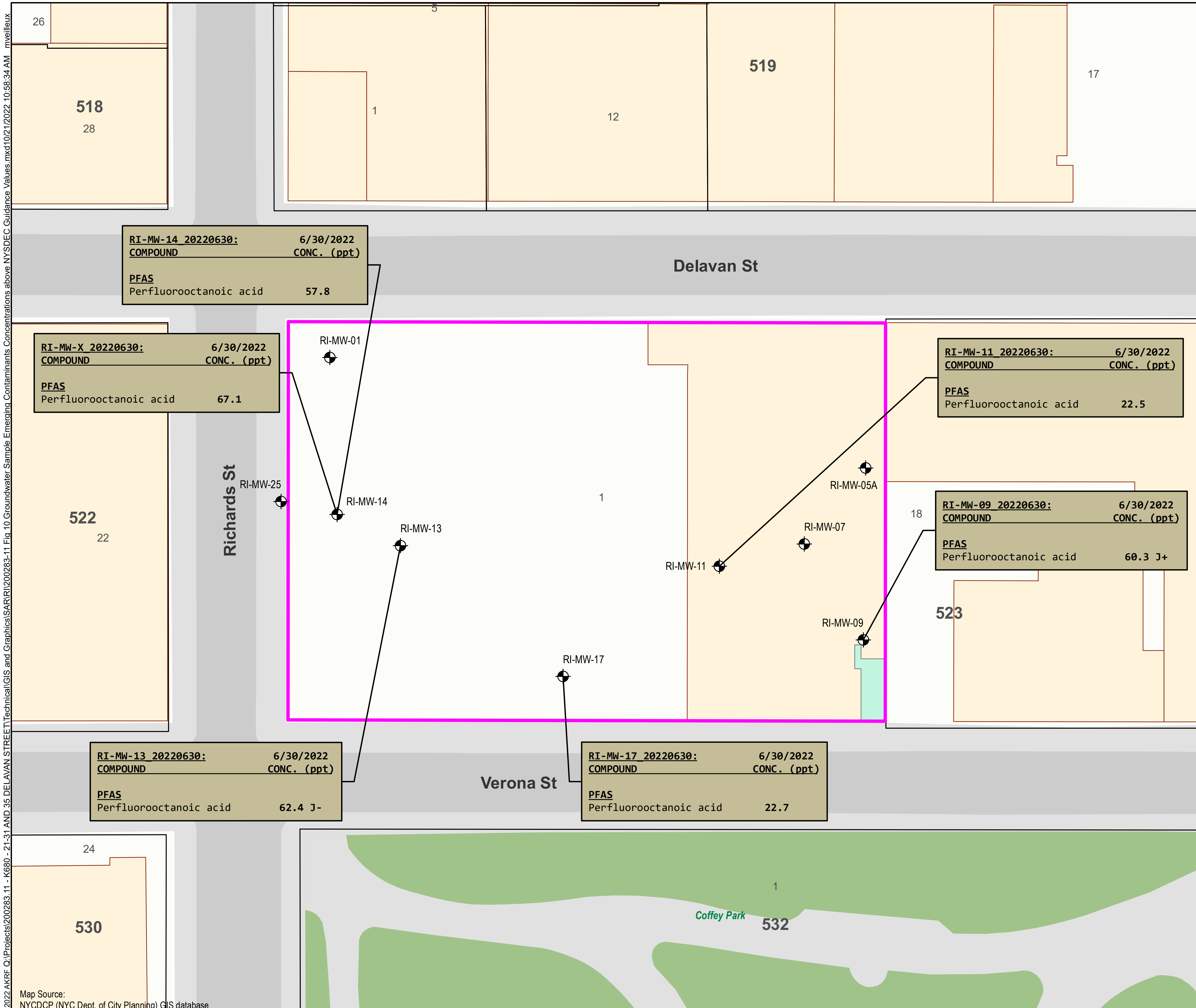
0 25 50 100
SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

Former Chesebrough Manufacturing
46 Verona Street
Brooklyn, New York

GROUNDWATER SAMPLE CONCENTRATIONS ABOVE AWQSGVs

DATE
10/21/2022
PROJECT NO.
200283.11
FIGURE
9



PLAN NORTH

LEGEND

- PROJECT SITE BOUNDARY
- 1 LOT BOUNDARY AND TAX LOT NUMBER
- 523 BLOCK NUMBER
- BUILDING
- APPROXIMATE LOCATION OF RAISED CONCRETE PAD
- MONITORING WELL LOCATION

NYSDEC TOGS Class GA Ambient Water Quality Standard and Guidance Values (AWQSGVs):
New York State Department of Environmental Conservation (NYSDEC)
Technical and Operational Guidance Series (TOGS) (1.1.1): (2021 Addendum)

J+: Sample result is estimated and biased high.
J-: Sample result is estimated and biased low.

parts per trillion (ppt)

Only Exceedances of NYSDEC AWQSGVs are shown in bold font.

	PFAS Groundwater Guidance Values
	ppt
PFAS	
Perfluorooctanoic acid (PFOA)	10

Sample ID — Sample Date

RI-MW-11_20220630:	6/30/2022
COMPOUND	CONC. (ppt)
PFAS	
Perfluorooctanoic acid	22.5

Analyte/Compound — Concentration

0 25 50 100
SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

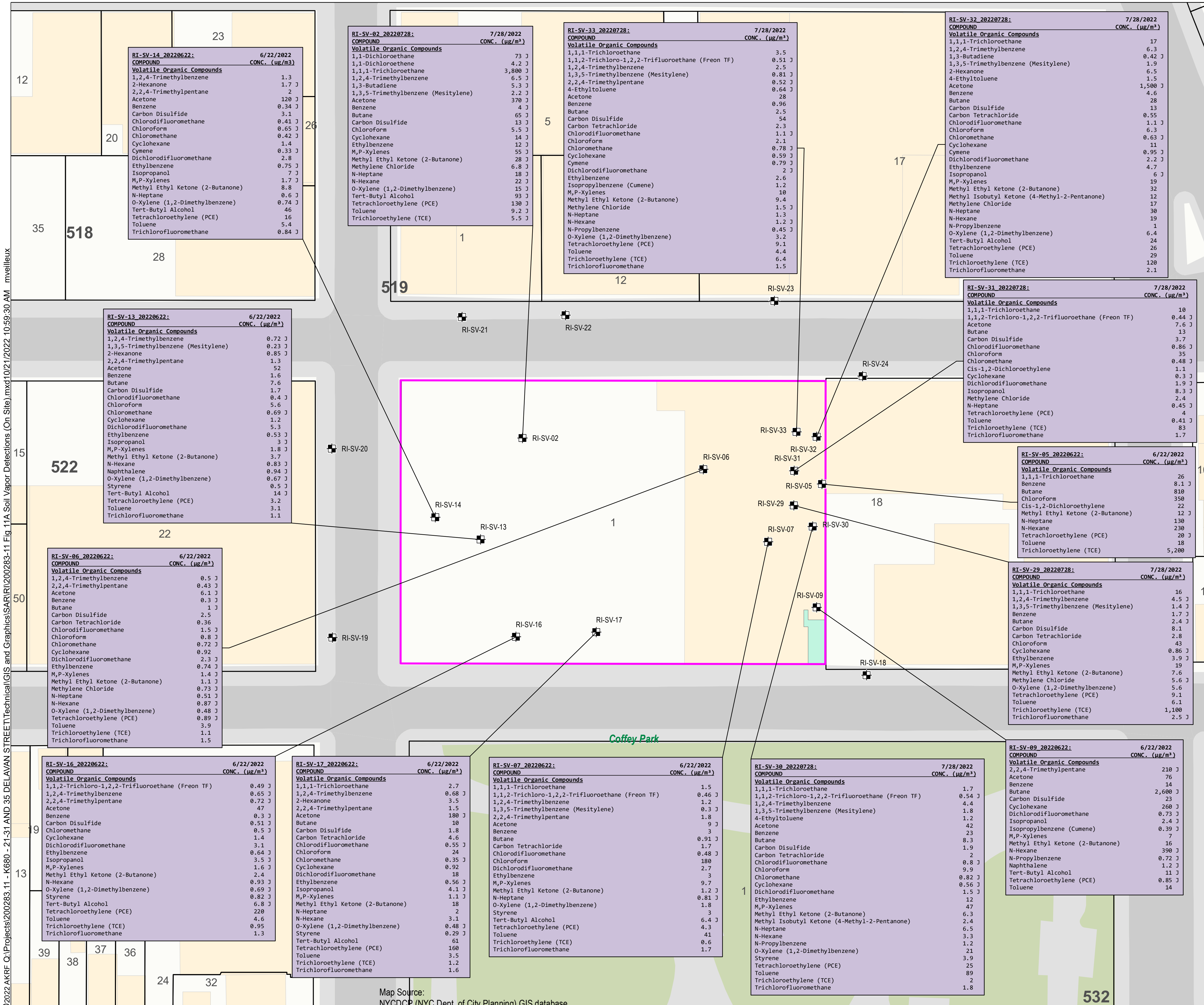
Former Chesebrough Manufacturing
46 Verona Street
Brooklyn, New York

GROUNDWATER SAMPLE EMERGING CONTAMINANTS CONCENTRATIONS ABOVE NYSDEC GUIDANCE VALUES

DATE
10/21/2022

PROJECT NO.
200283.11

FIGURE
10



RI-SV-14_20220622:	6/22/2022
COMPOUND	CONC. (ug/m3)
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	1.3
2-Hexanone	1.7 J
2,2,4-Trimethylpentane	2
Acetone	120 J
Benzene	0.34 J
Carbon Disulfide	3.1
Chlorodifluoromethane	0.41 J
Chloroform	0.65 J
Chloromethane	0.42 J
Cyclohexane	1.4
Cymene	0.33 J
Dichlorodifluoromethane	2.8
Ethylbenzene	0.75 J
Isopropanol	7 J
M,P-Xylenes	1.7 J
Methyl Ethyl Ketone (2-Butanone)	8.8
N-Heptane	0.6 J
O-Xylene (1,2-Dimethylbenzene)	0.74 J
Tert-Butyl Alcohol	46
Tetrachloroethylene (PCE)	16
Toluene	5.4
Trichlorofluoromethane	0.84 J

RI-SV-02_20220728:	7/28/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1-Dichloroethane	73 J
1,1-Dichloroethene	4.2 J
1,1,1-Trichloroethane	3,800 J
1,2,4-Trimethylbenzene	6.5 J
1,3-Butadiene	5.3 J
1,3,5-Trimethylbenzene (Mesitylene)	2.2 J
Acetone	370 J
Benzene	4 J
Butane	65 J
Carbon Disulfide	13 J
Chloroform	5.5 J
Cyclohexane	14 J
Ethylbenzene	12 J
M,P-Xylenes	55 J
Methyl Ethyl Ketone (2-Butanone)	28 J
Methylene Chloride	6.8 J
N-Heptane	18 J
N-Hexane	22 J
O-Xylene (1,2-Dimethylbenzene)	15 J
Tert-Butyl Alcohol	93 J
Tetrachloroethylene (PCE)	130 J
Toluene	9.2 J
Trichloroethylene (TCE)	5.5 J

RI-SV-33_20220728:	7/28/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	3.5
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.51 J
1,2,4-Trimethylbenzene	2.5
1,3,5-Trimethylbenzene (Mesitylene)	0.81 J
2,2,4-Trimethylpentane	0.52 J
4-Ethyltoluene	0.64 J
Acetone	28
Benzene	0.96
Butane	2.5
Carbon Disulfide	54
Carbon Tetrachloride	2.3
Chlorodifluoromethane	1.1 J
Chloroform	2.1
Chloromethane	0.78 J
Cyclohexane	0.59 J
Cymene	0.79 J
Dichlorodifluoromethane	2 J
Ethylbenzene	2.6
Isopropylbenzene (Cumene)	1.2
M,P-Xylenes	10
Methyl Ethyl Ketone (2-Butanone)	9.4
Methylene Chloride	1.5 J
N-Heptane	1.3
N-Hexane	1.2 J
N-Propylbenzene	0.45 J
O-Xylene (1,2-Dimethylbenzene)	3.2
Tetrachloroethylene (PCE)	9.1
Toluene	4.4
Trichloroethylene (TCE)	6.4
Trichlorofluoromethane	1.5

RI-SV-32_20220728:	7/28/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	17
1,2,4-Trimethylbenzene	6.3
1,3-Butadiene	0.42 J
1,3,5-Trimethylbenzene (Mesitylene)	1.9
2-Hexanone	6.5
4-Ethyltoluene	1.5
Acetone	1,500 J
Benzene	4.6
Butane	28
Carbon Disulfide	13
Carbon Tetrachloride	0.55
Chlorodifluoromethane	1.1 J
Chloroform	6.3
Chloromethane	0.63 J
Cyclohexane	11
Cymene	0.95 J
Dichlorodifluoromethane	2.2 J
Ethylbenzene	4.7
Isopropanol	6 J
M,P-Xylenes	19
Methyl Ethyl Ketone (2-Butanone)	32
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	12
Methylene Chloride	17
N-Heptane	30
N-Hexane	19
N-Propylbenzene	1
O-Xylene (1,2-Dimethylbenzene)	6.4
Tert-Butyl Alcohol	24
Tetrachloroethylene (PCE)	26
Toluene	29
Trichloroethylene (TCE)	120
Trichlorofluoromethane	2.1

RI-SV-31_20220728:	7/28/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	10
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.44 J
Acetone	7.6 J
Butane	13
Carbon Disulfide	3.7
Chlorodifluoromethane	0.86 J
Chloroform	35
Chloromethane	0.48 J
Cis-1,2-Dichloroethylene	1.1
Cyclohexane	0.3 J
Dichlorodifluoromethane	1.9 J
Isopropanol	8.3 J
Methylene Chloride	2.4
N-Heptane	0.45 J
Tetrachloroethylene (PCE)	4
Toluene	0.41 J
Trichloroethylene (TCE)	83
Trichlorofluoromethane	1.7

RI-SV-13_20220622:	6/22/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	0.72 J
1,3,5-Trimethylbenzene (Mesitylene)	0.23 J
2-Hexanone	0.85 J
2,2,4-Trimethylpentane	1.3
Acetone	52
Benzene	1.6
Butane	7.6
Carbon Disulfide	1.7
Chlorodifluoromethane	0.4 J
Chloroform	5.6
Chloromethane	0.69 J
Cyclohexane	1.2
Dichlorodifluoromethane	5.3
Ethylbenzene	0.53 J
Isopropanol	3 J
M,P-Xylenes	1.8 J
Methyl Ethyl Ketone (2-Butanone)	3.7
N-Hexane	0.83 J
Naphthalene	0.94 J
O-Xylene (1,2-Dimethylbenzene)	0.67 J
Styrene	0.5 J
Tert-Butyl Alcohol	14 J
Tetrachloroethylene (PCE)	3.2
Toluene	3.1
Trichlorofluoromethane	1.1

RI-SV-05_20220622:	6/22/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	26
Benzene	8.1 J
Butane	810
Chloroform	350
Cis-1,2-Dichloroethylene	22
Methyl Ethyl Ketone (2-Butanone)	12 J
N-Heptane	130
N-Hexane	230
Tetrachloroethylene (PCE)	20 J
Toluene	18
Trichloroethylene (TCE)	5,200

RI-SV-06_20220622:	6/22/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	0.5 J
2,2,4-Trimethylpentane	0.43 J
Acetone	6.1 J
Benzene	0.3 J
Butane	1 J
Carbon Disulfide	2.5
Carbon Tetrachloride	0.36
Chlorodifluoromethane	1.5 J
Chloroform	0.8 J
Chloromethane	0.72 J
Cyclohexane	0.92
Dichlorodifluoromethane	2.3 J
Ethylbenzene	0.74 J
M,P-Xylenes	1.4 J
Methyl Ethyl Ketone (2-Butanone)	1.1 J
Methylene Chloride	0.73 J
N-Heptane	0.51 J
N-Hexane	0.87 J
O-Xylene (1,2-Dimethylbenzene)	0.48 J
Tetrachloroethylene (PCE)	0.89 J
Toluene	3.9
Trichloroethylene (TCE)	1.1
Trichlorofluoromethane	1.5

RI-SV-29_20220728:	7/28/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	16
1,2,4-Trimethylbenzene	4.5 J
1,3,5-Trimethylbenzene (Mesitylene)	1.4 J
Benzene	1.7 J
Butane	2.4 J
Carbon Disulfide	8.1
Carbon Tetrachloride	2.8
Chloroform	43
Cyclohexane	0.86 J
Ethylbenzene	3.9 J
M,P-Xylenes	19
Methyl Ethyl Ketone (2-Butanone)	7.6
Methylene Chloride	5.6 J
O-Xylene (1,2-Dimethylbenzene)	5.6
Tetrachloroethylene (PCE)	9.1
Toluene	6.1
Trichloroethylene (TCE)	1,100
Trichlorofluoromethane	2.5 J

RI-SV-16_20220622:	6/22/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.49 J
1,2,4-Trimethylbenzene	0.65 J
2,2,4-Trimethylpentane	0.72 J
Acetone	47
Benzene	0.3 J
Carbon Disulfide	0.51 J
Chloromethane	0.5 J
Cyclohexane	1.4
Dichlorodifluoromethane	3.1
Ethylbenzene	0.64 J
Isopropanol	3.5 J
M,P-Xylenes	1.6 J
Methyl Ethyl Ketone (2-Butanone)	2.4
N-Hexane	0.93 J
O-Xylene (1,2-Dimethylbenzene)	0.69 J
Styrene	0.82 J
Tert-Butyl Alcohol	6.8 J
Tetrachloroethylene (PCE)	220
Toluene	4.6
Trichloroethylene (TCE)	0.95
Trichlorofluoromethane	1.3

RI-SV-17_20220622:	6/22/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	2.7
1,2,4-Trimethylbenzene	0.68 J
2-Hexanone	3.5
2,2,4-Trimethylpentane	1.5
Acetone	180 J
Butane	10
Carbon Disulfide	1.8
Carbon Tetrachloride	4.6
Chlorodifluoromethane	0.55 J
Chloroform	24
Chloromethane	0.35 J
Cyclohexane	0.92
Dichlorodifluoromethane	18
Ethylbenzene	0.56 J
Isopropanol	4.1 J
M,P-Xylenes	1.1 J
Methyl Ethyl Ketone (2-Butanone)	18
N-Heptane	2
N-Hexane	3.1
O-Xylene (1,2-Dimethylbenzene)	0.48 J
Styrene	0.29 J
Tert-Butyl Alcohol	61
Tetrachloroethylene (PCE)	160
Toluene	3.5
Trichloroethylene (TCE)	1.2
Trichlorofluoromethane	1.6

RI-SV-07_20220622:	6/22/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	1.5
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.46 J
1,2,4-Trimethylbenzene	1.2
1,3,5-Trimethylbenzene (Mesitylene)	0.3 J
2,2,4-Trimethylpentane	1.8
Acetone	9 J
Benzene	3
Butane	0.91 J
Carbon Tetrachloride	1.7
Chlorodifluoromethane	0.48 J
Chloroform	180
Dichlorodifluoromethane	2.7
Ethylbenzene	3
M,P-Xylenes	9.7
Methyl Ethyl Ketone (2-Butanone)	1.2 J
N-Heptane	0.81 J
O-Xylene (1,2-Dimethylbenzene)	1.8
Styrene	3
Tert-Butyl Alcohol	6.4 J
Tetrachloroethylene (PCE)	4.3
Toluene	41
Trichloroethylene (TCE)	0.6
Trichlorofluoromethane	1.7

RI-SV-30_20220728:	7/28/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	1.7
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.54 J
1,2,4-Trimethylbenzene	4.4
1,3,5-Trimethylbenzene (Mesitylene)	1.8
4-Ethyltoluene	1.2
Acetone	42
Benzene	23
Butane	8.3
Carbon Disulfide	1.9
Carbon Tetrachloride	2
Chlorodifluoromethane	0.8 J
Chloroform	9.9
Chloromethane	0.82 J
Cyclohexane	0.56 J
Dichlorodifluoromethane	1.5 J
Ethylbenzene	12
M,P-Xylenes	47
Methyl Ethyl Ketone (2-Butanone)	6.3
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.4
N-Heptane	6.5
N-Hexane	3.3
N-Propylbenzene	1.2
O-Xylene (1,2-Dimethylbenzene)	21
Styrene	3.9
Tetrachloroethylene (PCE)	25
Toluene	89
Trichloroethylene (TCE)	2
Trichlorofluoromethane	1.8

RI-SV-09_20220622:	6/22/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
2,2,4-Trimethylpentane	210 J
Acetone	76
Benzene	14
Butane	2,600 J
Carbon Disulfide	23
Cyclohexane	260 J
Dichlorodifluoromethane	0.73 J
Isopropanol	2.4 J
Isopropylbenzene (Cumene)	0.39 J
M,P-Xylenes	7
Methyl Ethyl Ketone (2-Butanone)	16
N-Hexane	390 J
N-Propylbenzene	0.72 J
Naphthalene	1.2 J
Tert-Butyl Alcohol	11 J
Tetrachloroethylene (PCE)	0.85 J
Toluene	14

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

PLAN NORTH

LEGEND

- PROJECT SITE BOUNDARY
- 1 LOT BOUNDARY AND TAX LOT NUMBER
- 523 BLOCK NUMBER
- BUILDING
- APPROXIMATE LOCATION OF RAISED CONCRETE PAD
- SOIL VAPOR POINT LOCATION

SOIL VAPOR

µg/m³- micrograms per cubic meter

J: The reported value is estimated.

Sample ID — Sample Date

RI-SV-05_20220622:	6/22/2022
COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	26
Benzene	8.1 J
Butane	810
Chloroform	350
Cis-1,2-Dichloroethylene	22
Methyl Ethyl Ketone (2-Butanone)	12 J
N-Heptane	130
N-Hexane	230
Tetrachloroethylene (PCE)	20 J
Toluene	18
Trichloroethylene (TCE)	5,200

Analyte/Compound — Concentration

0 35 70 140

SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

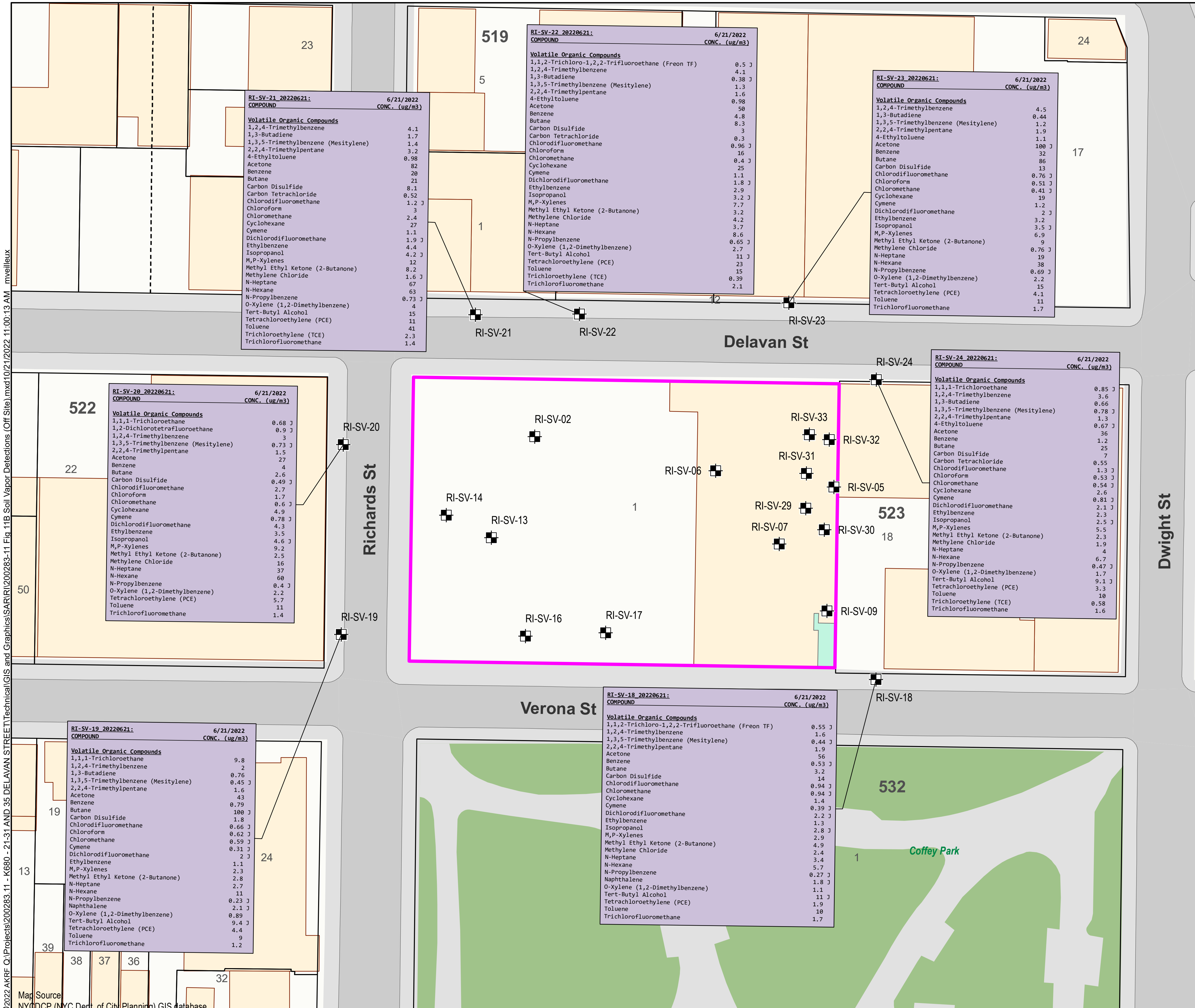
Former Chesebrough Manufacturing
46 Verona Street
Brooklyn, New York

SOIL VAPOR DETECTIONS (ON-SITE)

DATE
10/21/2022

PROJECT NO.
200283.11

FIGURE
11A



RI-SV-21_20220621: COMPOUND	6/21/2022 CONC. (ug/m3)
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	4.1
1,3-Butadiene	1.7
1,3,5-Trimethylbenzene (Mesitylene)	1.4
2,2,4-Trimethylpentane	3.2
4-Ethyltoluene	0.98
Acetone	82
Benzene	20
Butane	21
Carbon Disulfide	8.1
Carbon Tetrachloride	0.52
Chlorodifluoromethane	1.2 J
Chloroform	3
Chloromethane	2.4
Cyclohexane	27
Cymene	1.1
Dichlorodifluoromethane	1.9 J
Ethylbenzene	4.4
Isopropanol	4.2 J
M,P-Xylenes	12
Methyl Ethyl Ketone (2-Butanone)	8.2
Methylene Chloride	1.6 J
N-Heptane	67
N-Hexane	63
N-Propylbenzene	0.73 J
O-Xylene (1,2-Dimethylbenzene)	4
Tert-Butyl Alcohol	15
Tetrachloroethylene (PCE)	11
Toluene	41
Trichloroethylene (TCE)	2.3
Trichlorofluoromethane	1.4

RI-SV-22_20220621: COMPOUND	6/21/2022 CONC. (ug/m3)
Volatile Organic Compounds	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.5 J
1,2,4-Trimethylbenzene	4.1
1,3-Butadiene	0.38 J
1,3,5-Trimethylbenzene (Mesitylene)	1.3
2,2,4-Trimethylpentane	1.6
4-Ethyltoluene	0.98
Acetone	50
Benzene	4.8
Butane	8.3
Carbon Disulfide	3
Carbon Tetrachloride	0.3
Chlorodifluoromethane	0.96 J
Chloroform	16
Chloromethane	0.4 J
Cyclohexane	25
Cymene	1.1
Dichlorodifluoromethane	1.8 J
Ethylbenzene	2.9
Isopropanol	3.2 J
M,P-Xylenes	7.7
Methyl Ethyl Ketone (2-Butanone)	3.2
Methylene Chloride	4.2
N-Heptane	3.7
N-Hexane	8.6
N-Propylbenzene	0.65 J
O-Xylene (1,2-Dimethylbenzene)	2.7
Tert-Butyl Alcohol	11 J
Tetrachloroethylene (PCE)	23
Toluene	15
Trichloroethylene (TCE)	0.39
Trichlorofluoromethane	2.1

RI-SV-23_20220621: COMPOUND	6/21/2022 CONC. (ug/m3)
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	4.5
1,3-Butadiene	0.44
1,3,5-Trimethylbenzene (Mesitylene)	1.2
2,2,4-Trimethylpentane	1.9
4-Ethyltoluene	1.1
Acetone	100 J
Benzene	32
Butane	86
Carbon Disulfide	13
Chlorodifluoromethane	0.76 J
Chloroform	0.51 J
Chloromethane	0.41 J
Cyclohexane	19
Cymene	1.2
Dichlorodifluoromethane	2 J
Ethylbenzene	3.2
Isopropanol	3.5 J
M,P-Xylenes	6.9
Methyl Ethyl Ketone (2-Butanone)	9
Methylene Chloride	0.76 J
N-Heptane	19
N-Hexane	38
N-Propylbenzene	0.69 J
O-Xylene (1,2-Dimethylbenzene)	2.2
Tert-Butyl Alcohol	15
Tetrachloroethylene (PCE)	4.1
Toluene	11
Trichlorofluoromethane	1.7

RI-SV-24_20220621: COMPOUND	6/21/2022 CONC. (ug/m3)
Volatile Organic Compounds	
1,1,1-Trichloroethane	0.85 J
1,2,4-Trimethylbenzene	3.6
1,3-Butadiene	0.66
1,3,5-Trimethylbenzene (Mesitylene)	0.78 J
2,2,4-Trimethylpentane	1.3
4-Ethyltoluene	0.67 J
Acetone	36
Benzene	1.2
Butane	25
Carbon Disulfide	7
Carbon Tetrachloride	0.55
Chlorodifluoromethane	1.3 J
Chloroform	0.53 J
Chloromethane	0.54 J
Cyclohexane	2.6
Cymene	0.81 J
Dichlorodifluoromethane	2.1 J
Ethylbenzene	2.3
Isopropanol	2.5 J
M,P-Xylenes	5.5
Methyl Ethyl Ketone (2-Butanone)	2.3
Methylene Chloride	1.9
N-Heptane	4
N-Hexane	6.7
N-Propylbenzene	0.47 J
O-Xylene (1,2-Dimethylbenzene)	1.7
Tert-Butyl Alcohol	9.1 J
Tetrachloroethylene (PCE)	3.3
Toluene	10
Trichloroethylene (TCE)	0.58
Trichlorofluoromethane	1.6

RI-SV-20_20220621: COMPOUND	6/21/2022 CONC. (ug/m3)
Volatile Organic Compounds	
1,1,1-Trichloroethane	0.68 J
1,2-Dichlorotetrafluoroethane	0.9 J
1,2,4-Trimethylbenzene	3
1,3,5-Trimethylbenzene (Mesitylene)	0.73 J
2,2,4-Trimethylpentane	1.5
Acetone	27
Benzene	4
Butane	2.6
Carbon Disulfide	0.49 J
Chlorodifluoromethane	2.7
Chloroform	1.7
Chloromethane	0.6 J
Cyclohexane	4.9
Cymene	0.78 J
Dichlorodifluoromethane	4.3
Ethylbenzene	3.5
Isopropanol	4.6 J
M,P-Xylenes	9.2
Methyl Ethyl Ketone (2-Butanone)	2.5
Methylene Chloride	16
N-Heptane	37
N-Hexane	60
N-Propylbenzene	0.4 J
O-Xylene (1,2-Dimethylbenzene)	2.2
Tetrachloroethylene (PCE)	5.7
Toluene	11
Trichlorofluoromethane	1.4

RI-SV-19_20220621: COMPOUND	6/21/2022 CONC. (ug/m3)
Volatile Organic Compounds	
1,1,1-Trichloroethane	9.8
1,2,4-Trimethylbenzene	2
1,3-Butadiene	0.76
1,3,5-Trimethylbenzene (Mesitylene)	0.45 J
2,2,4-Trimethylpentane	1.6
Acetone	43
Benzene	0.79
Butane	100 J
Carbon Disulfide	1.8
Chlorodifluoromethane	0.66 J
Chloroform	0.62 J
Chloromethane	0.59 J
Cymene	0.31 J
Dichlorodifluoromethane	2 J
Ethylbenzene	1.1
M,P-Xylenes	2.3
Methyl Ethyl Ketone (2-Butanone)	2.8
N-Heptane	2.7
N-Hexane	11
N-Propylbenzene	0.23 J
Naphthalene	2.1 J
O-Xylene (1,2-Dimethylbenzene)	0.89
Tert-Butyl Alcohol	9.4 J
Tetrachloroethylene (PCE)	4.4
Toluene	9
Trichlorofluoromethane	1.2

RI-SV-18_20220621: COMPOUND	6/21/2022 CONC. (ug/m3)
Volatile Organic Compounds	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.55 J
1,2,4-Trimethylbenzene	1.6
1,3,5-Trimethylbenzene (Mesitylene)	0.44 J
2,2,4-Trimethylpentane	1.9
Acetone	56
Benzene	0.53 J
Butane	3.2
Carbon Disulfide	14
Chlorodifluoromethane	0.94 J
Chloromethane	0.94 J
Cyclohexane	1.4
Cymene	0.39 J
Dichlorodifluoromethane	2.2 J
Ethylbenzene	1.3
Isopropanol	2.8 J
M,P-Xylenes	2.9
Methyl Ethyl Ketone (2-Butanone)	4.9
Methylene Chloride	2.4
N-Heptane	3.4
N-Hexane	5.7
N-Propylbenzene	0.27 J
Naphthalene	1.8 J
O-Xylene (1,2-Dimethylbenzene)	1.1
Tert-Butyl Alcohol	11 J
Tetrachloroethylene (PCE)	1.9
Toluene	10
Trichlorofluoromethane	1.7

PLAN NORTH

LEGEND

- PROJECT SITE BOUNDARY
- 1 LOT BOUNDARY AND TAX LOT NUMBER
- 523 BLOCK NUMBER
- BUILDING
- APPROXIMATE LOCATION OF RAISED CONCRETE PAD
- SOIL VAPOR POINT LOCATION

SOIL VAPOR

µg/m³- micrograms per cubic meter

J: The reported value is estimated.

Sample ID

Sample Date

RI-SV-23_20220621: COMPOUND	6/21/2022 CONC. (ug/m3)
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	4.5
1,3-Butadiene	0.44
1,3,5-Trimethylbenzene (Mesitylene)	1.2
2,2,4-Trimethylpentane	1.9
4-Ethyltoluene	1.1
Acetone	100 J
Benzene	32
Butane	86
Carbon Disulfide	13
Chlorodifluoromethane	0.76 J
Chloroform	0.51 J
Chloromethane	0.41 J
Cyclohexane	19
Cymene	1.2
Dichlorodifluoromethane	2 J
Ethylbenzene	3.2
Isopropanol	3.5 J
M,P-Xylenes	6.9
Methyl Ethyl Ketone (2-Butanone)	9
Methylene Chloride	0.76 J
N-Heptane	19
N-Hexane	38
N-Propylbenzene	0.69 J
O-Xylene (1,2-Dimethylbenzene)	2.2
Tert-Butyl Alcohol	15
Tetrachloroethylene (PCE)	4.1
Toluene	11
Trichlorofluoromethane	1.7

Analyte/Compound

Concentration

0 35 70 140

SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

Former Chesebrough Manufacturing
46 Verona Street
Brooklyn, New York

SOIL VAPOR DETECTIONS (OFF-SITE)

DATE
10/21/2022

PROJECT NO.
200283.11

FIGURE
11B

TABLES

Table 1
46 Verona Street, Brooklyn, NY
Remedial Investigation Report
Groundwater Elevation Data

Monitoring Well ID	Top of Well Casing Elev. (feet NAVD 88)	Date	DTW (feet)	Groundwater Elevation (feet NAVD 88)
MW-01	8.15	8/23/2022	6.65	1.50
MW-05A	9.42	8/23/2022	7.05	2.37
MW-07	9.64	6/30/2022	6.16 (1)	NA
		7/25/2022	7.49 (1)	NA
		7/27/2022	7.59 (1) (2)	NA
		8/23/2022	7.50 (1)	NA
MW-09	10.21	6/30/2022	7.50	2.71
		7/25/2022	7.81	2.40
		7/27/2022	7.90	2.31
		8/23/2022	8.03	2.18
MW-11	9.13	6/30/2022	6.23	2.90
		7/25/2022	6.82	2.31
		7/27/2022	6.82	2.31
		8/23/2022	6.96	2.17
MW-13	8.61	6/30/2022	6.50	2.11
		7/25/2022	6.85	1.76
		7/27/2022	6.88	1.73
		8/23/2022	6.96	1.65
MW-14	8.83	6/30/2022	6.51	2.32
		7/25/2022	6.85	1.98
		7/27/2022	6.88	1.95
		8/23/2022	6.97	1.86
MW-17	8.44	6/30/2022	6.20	2.24
		7/25/2022	6.61	1.83
		7/27/2022	6.64	1.80
		8/23/2022	6.58	1.86
MW-25	8.39	8/23/2022	6.98	1.41

Notes:
All Elevations are relative to the North American Vertical Datum of 1988 (NAVD 88)
DTW = Depth to Water
(1) Product was not detected with the oil-water interface probe; however, NAPL was observed on the tip of the probe.
(2) A bailer was used to confirm the presence of LNAPL; the LNAPL layer was estimated to be 4 to 6 inches thick.

NA - Corrected groundwater elevation could not be determined without accurate LNAPL thickness measurements.

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-01_0-2_20220613	RI-SB-01_6-8_20220613	RI-SB-X01_20220613	RI-SB-01_12-14_20220613	RI-SB-02_0-0.2_20220613
			Laboratory Sample ID	460-260026-7	460-260026-8	460-260026-10	460-260026-9	460-260026-11
			Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
			Dilution Factor	1	50	50	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	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0016
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
1,1,2-Trichloroethane	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
1,1-Dichloroethane	0.27	26	0.27	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
1,1-Dichloroethene	0.33	100	0.33	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0021 U	0.12 UJ	0.16 U	0.0024 U	0.0014 UJ
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0021 UJ	0.2	2.2 J	0.0087	0.0014 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
1,2-Dichloropropane	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0021 UJ	0.086 J	1 J	0.0062	0.0014 UJ
1,3-Dichlorobenzene	2.4	49	2.4	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
2-Hexanone	NS	NS	NS	0.01 U	0.59 U	0.8 U	0.012 U	0.0069 U
Acetone	**0.05**	100	0.05	0.012 U	0.59 U	0.8 U	0.034	0.0082 U
Benzene	**0.06**	4.8	0.06	0.0021 U	0.12 U	**0.14 J**	0.00071 J	0.0014 U
Bromochloromethane	NS	NS	NS	0.0021 U	0.12 UJ	0.16 U	0.0024 U	0.0014 U
Bromodichloromethane	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Bromoform	NS	NS	NS	0.0021 U	0.12 UJ	0.16 U	0.0024 U	0.0014 UJ
Bromomethane	NS	NS	NS	0.0042 U	0.12 U	0.16 U	0.0049 U	0.0027 U
Carbon Disulfide	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.05 J+	0.0014 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0021 U	0.12 UJ	0.16 UJ	0.0024 U	0.0014 U
Chlorobenzene	1.1	100	1.1	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Chloroethane	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Chloroform	0.37	49	0.37	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Chloromethane	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Cyclohexane	NS	NS	NS	0.0021 UJ	0.21 J	1.1 J	0.0062	0.0014 UJ
Dibromochloromethane	NS	NS	NS	0.0021 U	0.12 U	0.16 UJ	0.0024 U	0.0014 U
Dichlorodifluoromethane	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Ethylbenzene	1	41	1	0.0021 UJ	0.12 UJ	0.35 J	0.00062 J	0.0014 UJ
Isopropylbenzene (Cumene)	NS	NS	NS	0.0021 UJ	0.078 J	0.4 J	0.0008 J	0.0014 UJ
M,P-Xylenes	NS	NS	NS	0.0021 UJ	0.084 J	1.8 J	0.0061	0.0014 UJ
Methyl Acetate	NS	NS	NS	0.01 U	0.59 U	0.8 U	0.012 U	0.0069 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.01 U	0.59 U	0.8 U	0.012 U	0.0069 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.01 U	0.59 U	0.8 UJ	0.012 U	0.0069 U
Methylcyclohexane	NS	NS	NS	0.0021 UJ	2.4 J	16 J	0.014	0.0014 UJ
Methylene Chloride	0.05	100	0.05	0.0042 U	0.12 U	0.16 U	0.0049 U	0.0027 U
N-Butylbenzene	12	100	12	0.0021 UJ	0.19 J	1.2 J	0.0024 U	0.0014 UJ
N-Propylbenzene	3.9	100	3.9	0.0021 UJ	0.17 J	0.81 J	0.00056 J	0.0014 UJ
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0021 UJ	0.046 J	0.85 J	0.0041	0.0014 UJ
Sec-Butylbenzene	11	100	11	0.0021 UJ	0.17 J	0.85 J	0.0011 J	0.0014 UJ
Styrene	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
T-Butylbenzene	5.9	100	5.9	0.0021 U	0.12 U	0.12 J	0.0014 J	0.0014 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0039	0.12 U	0.16 U	0.0024 U	0.0014 U
Toluene	0.7	100	0.7	0.0021 UJ	0.12 UJ	0.46 J	0.0014 J	0.0014 UJ
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Trichlorofluoromethane	NS	NS	NS	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Vinyl Chloride	0.02	0.9	0.02	0.0021 U	0.12 U	0.16 U	0.0024 U	0.0014 U
Xylenes, Total	**0.26**	100	1.6	0.0042 UJ	0.13 J	**2.6 J**	0.01	0.0027 UJ

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-02_0-2_20220613	RI-SB-02_7-9_20220613	RI-SB-02_9-11_20220613	RI-SB-03_0-2_20220615	RI-SB-03_7-9_20220615
			Laboratory Sample ID	460-260026-12	460-260026-13	460-260026-14	460-260169-5	460-260169-6
			Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/15/2022	6/15/2022
			Dilution Factor	1	1	1	1	250
			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	0.0029	0.0021	0.0014 U	0.0014 U	0.81 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
1,1,2-Trichloroethane	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
1,1-Dichloroethane	0.27	26	0.27	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
1,1-Dichloroethene	0.33	100	0.33	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0022 UJ	0.0015 U	0.0014 U	0.0014 U	0.81 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0022 U	0.0015 UJ	0.0014 U	0.0014 U	0.33 J-
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 UJ
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 UJ
1,2-Dichloroethane	0.02	3.1	0.02	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
1,2-Dichloropropane	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0022 UJ	0.0015 UJ	0.0014 U	0.0014 U	0.22 J-
1,3-Dichlorobenzene	2.4	49	2.4	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 UJ
1,4-Dichlorobenzene	1.8	13	1.8	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 UJ
2-Hexanone	NS	NS	NS	0.011 U	0.0076 U	0.0068 U	0.0072 UJ	4 U
Acetone	**0.05**	100	0.05	0.013 U	0.024	0.019	0.0087 U	4 U
Benzene	**0.06**	4.8	0.06	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Bromochloromethane	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Bromodichloromethane	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Bromoform	NS	NS	NS	0.0022 UJ	0.0015 U	0.0014 U	0.0014 UJ	0.81 UJ
Bromomethane	NS	NS	NS	0.0043 U	0.003 U	0.0027 U	0.0029 U	0.81 U
Carbon Disulfide	NS	NS	NS	0.0022 U	0.0015 U	0.0012 J+	0.0014 U	0.81 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 UJ
Chlorobenzene	1.1	100	1.1	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Chloroethane	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Chloroform	0.37	49	0.37	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Chloromethane	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Cyclohexane	NS	NS	NS	0.0022 UJ	0.0015 UJ	0.0014 U	0.0014 U	1.5
Dibromochloromethane	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Dichlorodifluoromethane	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Ethylbenzene	1	41	1	0.0022 UJ	0.0015 UJ	0.0014 U	0.0014 U	0.81 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0022 UJ	0.0015 UJ	0.0014 U	0.0014 U	0.46 J
M,P-Xylenes	NS	NS	NS	0.0022 UJ	0.0015 UJ	0.0014 U	0.0014 U	0.47 J
Methyl Acetate	NS	NS	NS	0.011 U	0.0076 U	0.0068 U	0.0072 U	4 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.011 U	0.0076 U	0.0068 U	0.0072 U	4 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.011 U	0.0076 U	0.0068 U	0.0072 UJ	4 U
Methylcyclohexane	NS	NS	NS	0.0022 UJ	0.0015 UJ	0.0014 U	0.0014 U	190
Methylene Chloride	0.05	100	0.05	0.0043 U	0.003 U	0.0027 U	0.0029 U	0.81 U
N-Butylbenzene	12	100	12	0.0022 UJ	0.0015 UJ	0.0014 U	0.0014 U	0.81 UJ
N-Propylbenzene	3.9	100	3.9	0.0022 UJ	0.0015 UJ	0.0014 U	0.0014 U	0.81 UJ
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0022 UJ	0.0015 UJ	0.0014 U	0.0014 U	0.81 U
Sec-Butylbenzene	11	100	11	0.0022 UJ	0.0015 UJ	0.0014 U	0.0014 U	0.81 UJ
Styrene	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
T-Butylbenzene	5.9	100	5.9	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 UJ
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Toluene	0.7	100	0.7	0.0022 UJ	0.0015 UJ	0.0014 U	0.0014 U	0.81 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Trichlorofluoromethane	NS	NS	NS	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Vinyl Chloride	0.02	0.9	0.02	0.0022 U	0.0015 U	0.0014 U	0.0014 U	0.81 U
Xylenes, Total	**0.26**	100	1.6	0.0043 UJ	0.003 UJ	0.0027 U	0.0029 U	**0.47 J**

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-03_13-15_20220615	RI-SB-04_0-2_20220620	RI-SB-04_6-8_20220620	RI-SB-04_10-12_20220620	RI-SB-05_0-2_20220620
			Laboratory Sample ID	460-260169-7	460-260471-1	460-260471-2	460-260471-3	460-260471-4
			Date Sampled	6/15/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022
			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	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,1,2-Trichloroethane	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0012 UJ	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,2-Dichloropropane	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0012 UJ	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
2-Hexanone	NS	NS	NS	0.0061 UJ	0.01 U	0.0051 U	0.013 U	0.0072 U
Acetone	**0.05**	100	0.05	0.015	0.012 U	0.0061 U	**0.053**	0.0086 U
Benzene	**0.06**	4.8	0.06	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Bromochloromethane	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Bromodichloromethane	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Bromoform	NS	NS	NS	0.0012 UJ	0.0021 U	0.001 U	0.0025 U	0.0014 U
Bromomethane	NS	NS	NS	0.0025 U	0.0041 UJ	0.002 UJ	0.0051 UJ	0.0029 UJ
Carbon Disulfide	NS	NS	NS	0.02	0.0021 U	0.001 U	0.004	0.0014 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Chloroethane	NS	NS	NS	0.0012 U	0.0021 UJ	0.001 UJ	0.0025 UJ	0.0014 UJ
Chloroform	0.37	49	0.37	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Chloromethane	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Cyclohexane	NS	NS	NS	0.0012 UJ	0.0021 U	0.001 U	0.0016 J	0.0014 U
Dibromochloromethane	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Dichlorodifluoromethane	NS	NS	NS	0.0012 U	0.0021 UJ	0.001 UJ	0.0025 UJ	0.0014 UJ
Ethylbenzene	1	41	1	0.0012 UJ	0.0021 U	0.001 U	0.0025 U	0.0014 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0012 UJ	0.0021 U	0.001 U	0.0025 U	0.0014 U
M,P-Xylenes	NS	NS	NS	0.0012 UJ	0.0021 U	0.001 U	0.0025 U	0.0014 U
Methyl Acetate	NS	NS	NS	0.0061 U	0.01 U	0.0051 U	0.013 U	0.0072 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0061 U	0.01 U	0.0051 U	0.012 J	0.0072 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0061 UJ	0.01 U	0.0051 U	0.013 U	0.0072 U
Methylcyclohexane	NS	NS	NS	0.0012 UJ	0.0021 U	0.001 U	0.0043	0.0014 U
Methylene Chloride	0.05	100	0.05	0.0025 U	0.0041 U	0.002 U	0.0051 U	0.0029 U
N-Butylbenzene	12	100	12	0.0012 UJ	0.0021 U	0.001 U	0.0025 U	0.0014 U
N-Propylbenzene	3.9	100	3.9	0.0012 UJ	0.0021 U	0.001 U	0.0025 U	0.0014 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0012 UJ	0.0021 U	0.001 U	0.0025 U	0.0014 U
Sec-Butylbenzene	11	100	11	0.0012 UJ	0.0021 U	0.001 U	0.0025 U	0.0014 U
Styrene	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
T-Butylbenzene	5.9	100	5.9	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Toluene	0.7	100	0.7	0.0012 UJ	0.0021 U	0.001 U	0.0025 U	0.0014 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.023
Trichlorofluoromethane	NS	NS	NS	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0021 U	0.001 U	0.0025 U	0.0014 U
Xylenes, Total	**0.26**	100	1.6	0.0025 UJ	0.0041 U	0.002 U	0.0051 U	0.0029 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-05_10-12_20220620	RI-SB-05_12-14_20220620	RI-SB-05A_0-2_20220727	RI-SB-05A_7-9_20220727	RI-SB-06_0-2_20220616
			Laboratory Sample ID	460-260471-5	460-260471-6	460-262680-12	460-262680-13	460-260250-5
			Date Sampled	6/20/2022	6/20/2022	7/27/2022	7/27/2022	6/16/2022
			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	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,1,2-Trichloroethane	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,2-Dichloropropane	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
2-Hexanone	NS	NS	NS	0.0062 U	0.013 UJ	0.0063 U	0.0067 U	0.012 U
Acetone	**0.05**	100	0.05	0.046	**0.12 J-**	**0.065 JH**	0.008 U	0.014 U
Benzene	**0.06**	4.8	0.06	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Bromochloromethane	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Bromodichloromethane	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Bromoform	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Bromomethane	NS	NS	NS	0.0025 UJ	0.005 UJ	0.0025 U	0.0027 U	0.0047 U
Carbon Disulfide	NS	NS	NS	0.00095 J	0.0022 J-	0.0048 JH	0.0013 U	0.0024 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Chloroethane	NS	NS	NS	0.0012 UJ	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Chloroform	0.37	49	0.37	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Chloromethane	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Cyclohexane	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Dibromochloromethane	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Dichlorodifluoromethane	NS	NS	NS	0.0012 UJ	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Ethylbenzene	1	41	1	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
M,P-Xylenes	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Methyl Acetate	NS	NS	NS	0.0062 U	0.013 UJ	0.0063 U	0.0067 U	0.012 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.014	0.022 J-	0.0063 U	0.0067 U	0.012 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0062 U	0.013 UJ	0.0063 U	0.0067 U	0.012 U
Methylcyclohexane	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Methylene Chloride	0.05	100	0.05	0.0025 U	0.0061 J-	0.0025 U	0.0027 U	0.0047 U
N-Butylbenzene	12	100	12	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
N-Propylbenzene	3.9	100	3.9	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Sec-Butylbenzene	11	100	11	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Styrene	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
T-Butylbenzene	5.9	100	5.9	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Toluene	0.7	100	0.7	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0012 U	0.0025 UJ	0.0018	0.022	0.0024 U
Trichlorofluoromethane	NS	NS	NS	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0025 UJ	0.0013 U	0.0013 U	0.0024 U
Xylenes, Total	**0.26**	100	1.6	0.0025 U	0.005 UJ	0.0025 U	0.0027 U	0.0047 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-06_6-8_20220616	RI-SB-06_12-14_20220616	RI-SB-07_0-2_20220616	RI-SB-X01_20220616	RI-SB-07_8-10_20220616
			Laboratory Sample ID	460-260250-6	460-260250-7	460-260250-1	460-260250-4	460-260250-2
			Date Sampled	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022
			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	0.0057 U	0.0014 U	0.0018 U	0.0013 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
1,1,2-Trichloroethane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
1,1-Dichloroethane	0.27	26	0.27	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
1,2-Dichlorobenzene	1.1	100	1.1	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
1,2-Dichloroethane	0.02	3.1	0.02	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
1,2-Dichloropropane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
1,3-Dichlorobenzene	2.4	49	2.4	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
1,4-Dichlorobenzene	1.8	13	1.8	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
2-Hexanone	NS	NS	NS	0.01 U	0.029 U	0.0072 U	0.009 U	0.0065 U
Acetone	**0.05**	100	0.05	0.012 U	**0.18**	0.0086 U	0.011 U	0.019
Benzene	**0.06**	4.8	0.06	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Bromochloromethane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
Bromodichloromethane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Bromoform	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
Bromomethane	NS	NS	NS	0.004 U	0.011 U	0.0029 U	0.0036 U	0.0026 U
Carbon Disulfide	NS	NS	NS	0.002 U	0.084	0.0014 U	0.0018 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
Chloroethane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Chloroform	0.37	49	0.37	0.002 U	0.0057 U	0.0045	0.0021	0.0013 U
Chloromethane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
Cyclohexane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Dibromochloromethane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
Dichlorodifluoromethane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Ethylbenzene	1	41	1	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
M,P-Xylenes	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
Methyl Acetate	NS	NS	NS	0.01 U	0.029 U	0.0072 U	0.009 U	0.0065 UJ
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.01 U	0.032	0.0072 U	0.009 U	0.0051 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.01 U	0.029 U	0.0072 U	0.009 U	0.0065 U
Methylcyclohexane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Methylene Chloride	0.05	100	0.05	0.004 U	0.011 U	0.0029 U	0.0036 U	0.0026 U
N-Butylbenzene	12	100	12	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
N-Propylbenzene	3.9	100	3.9	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
Sec-Butylbenzene	11	100	11	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
Styrene	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
T-Butylbenzene	5.9	100	5.9	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
Tetrachloroethylene (PCE)	1.3	19	1.3	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
Toluene	0.7	100	0.7	0.002 U	0.0055 J	0.0014 U	0.0018 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 UJ
Trichloroethylene (TCE)	0.47	21	0.47	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Trichlorofluoromethane	NS	NS	NS	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Vinyl Chloride	0.02	0.9	0.02	0.002 U	0.0057 U	0.0014 U	0.0018 U	0.0013 U
Xylenes, Total	**0.26**	100	1.6	0.004 U	0.011 U	0.0029 U	0.0036 U	0.0026 UJ

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-07_14-16_20220616	RI-SB-08_0-0.2_20220615	RI-SB-08_0-2_20220615	RI-SB-08_7-9_20220615	RI-SB-08_18-20_20220615
			Laboratory Sample ID	460-260250-3	460-260169-8	460-260169-9	460-260169-10	460-260169-11
			Date Sampled	6/16/2022	6/15/2022	6/15/2022	6/15/2022	6/15/2022
			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	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0012 U	0.0016 UJ	0.002 UJ	0.0011 UJ	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
1,1,2-Trichloroethane	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 UJ
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0012 U	0.0016 UJ	0.002 U	0.0011 UJ	0.0012 UJ
1,2,4-Trimethylbenzene	3.6	52	3.6	0.06	0.0016 UJ	0.002 UJ	0.0011 UJ	0.0012 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0012 U	0.0016 UJ	0.002 UJ	0.0011 UJ	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 UJ
1,2-Dichlorobenzene	1.1	100	1.1	0.0012 U	0.0016 U	0.002 UJ	0.0011 UJ	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0016 UJ	0.002 U	0.0011 UJ	0.0012 U
1,2-Dichloropropane	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0019	0.0016 UJ	0.002 UJ	0.0017 J	0.0012 UJ
1,3-Dichlorobenzene	2.4	49	2.4	0.0012 U	0.0016 UJ	0.002 UJ	0.0011 UJ	0.0012 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0012 U	0.0016 UJ	0.002 UJ	0.0011 UJ	0.0012 U
2-Hexanone	NS	NS	NS	0.0061 U	0.0082 UJ	0.0098 UJ	0.0056 UJ	0.0059 U
Acetone	**0.05**	100	0.05	0.026	0.0099 U	0.012 U	**0.054 J**	0.014 JL
Benzene	**0.06**	4.8	0.06	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Bromochloromethane	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Bromodichloromethane	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Bromoform	NS	NS	NS	0.0012 U	0.0016 UJ	0.002 UJ	0.0011 UJ	0.0012 U
Bromomethane	NS	NS	NS	0.0024 U	0.0033 U	0.0039 U	0.0023 UJ	0.0024 U
Carbon Disulfide	NS	NS	NS	0.0016	0.0016 U	0.00069 J	0.0017 J	0.034
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Chloroethane	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Chloroform	0.37	49	0.37	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Chloromethane	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 UJ
Cyclohexane	NS	NS	NS	0.015	0.0016 UJ	0.002 U	0.0011 UJ	0.0012 UJ
Dibromochloromethane	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 UJ
Dichlorodifluoromethane	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Ethylbenzene	1	41	1	0.0012 U	0.0016 UJ	0.002 U	0.0011 UJ	0.0012 UJ
Isopropylbenzene (Cumene)	NS	NS	NS	0.0012	0.0016 UJ	0.002 U	0.0011 UJ	0.0012 UJ
M,P-Xylenes	NS	NS	NS	0.0021	0.0016 UJ	0.002 U	0.002 J	0.0012 UJ
Methyl Acetate	NS	NS	NS	0.0061 U	0.0082 U	0.0098 U	0.0056 UJ	0.0059 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0068	0.0082 U	0.0098 U	0.0056 UJ	0.0059 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0061 U	0.0082 UJ	0.0098 UJ	0.0056 UJ	0.0059 U
Methylcyclohexane	NS	NS	NS	0.093	0.0016 UJ	0.002 U	0.0011 UJ	0.00098 J
Methylene Chloride	0.05	100	0.05	0.0024 U	0.0033 U	0.0039 U	0.0023 UJ	0.0024 U
N-Butylbenzene	12	100	12	0.0041	0.0016 UJ	0.002 U	0.0011 UJ	0.0012 UJ
N-Propylbenzene	3.9	100	3.9	0.002	0.0016 UJ	0.002 UJ	0.0011 UJ	0.0012 UJ
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0011 J	0.0016 UJ	0.002 U	0.0011 UJ	0.0012 UJ
Sec-Butylbenzene	11	100	11	0.0018	0.0016 UJ	0.002 UJ	0.0011 UJ	0.0012 UJ
Styrene	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
T-Butylbenzene	5.9	100	5.9	0.0012 U	0.0016 UJ	0.002 UJ	0.037 J	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.021	0.082	0.0011 UJ	0.0012 UJ
Toluene	0.7	100	0.7	0.00041 J	0.0016 UJ	0.002 U	0.00061 J	0.0012 UJ
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 UJ
Trichloroethylene (TCE)	0.47	21	0.47	0.0012 U	0.0018	0.002 U	0.0011 UJ	0.0012 U
Trichlorofluoromethane	NS	NS	NS	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0016 U	0.002 U	0.0011 UJ	0.0012 U
Xylenes, Total	**0.26**	100	1.6	0.0032	0.0033 UJ	0.0039 U	0.002 J	0.0024 UJ

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-09_0-2_20220617	RI-SB-09_3-5_20220617	RI-SB-09_10-12_20220617	RI-SB-10_0-2_20220616	RI-SB-10_11-13_20220616
			Laboratory Sample ID	460-260400-1	460-260400-2	460-260400-3	460-260250-10	460-260250-11
			Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/16/2022	6/16/2022
			Dilution Factor	1	50	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	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,1,2-Trichloroethane	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,1-Dichloroethane	0.27	26	0.27	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,1-Dichloroethene	0.33	100	0.33	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0023 U	0.4	0.001 U	0.0015 U	0.0006 J
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,2-Dichloropropane	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0023 U	0.21 J	0.001 U	0.0015 U	0.0016
1,3-Dichlorobenzene	2.4	49	2.4	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
2-Hexanone	NS	NS	NS	0.012 U	1.1 U	0.0052 U	0.0075 U	0.0069 U
Acetone	**0.05**	100	0.05	0.037	**1.4**	0.038	0.0091 U	0.029
Benzene	**0.06**	4.8	0.06	0.0023 U	**0.12 J**	0.001 U	0.0015 U	0.0014 U
Bromochloromethane	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Bromodichloromethane	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Bromoform	NS	NS	NS	0.0023 U	0.22 UJ	0.001 U	0.0015 U	0.0014 U
Bromomethane	NS	NS	NS	0.0046 U	0.22 U	0.0021 U	0.003 U	0.0028 U
Carbon Disulfide	NS	NS	NS	0.0023 U	0.22 U	0.00064 J	0.0015 U	0.0014 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0023 U	0.22 UJ	0.001 U	0.0015 U	0.0014 U
Chlorobenzene	1.1	100	1.1	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Chloroethane	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Chloroform	0.37	49	0.37	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Chloromethane	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Cyclohexane	NS	NS	NS	0.0023 U	0.59	0.001 U	0.0015 U	0.00095 J
Dibromochloromethane	NS	NS	NS	0.0023 U	0.22 UJ	0.001 U	0.0015 U	0.0014 U
Dichlorodifluoromethane	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Ethylbenzene	1	41	1	0.0023 U	0.09 J	0.001 U	0.0015 U	0.0014 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
M,P-Xylenes	NS	NS	NS	0.0023 U	0.62	0.001 U	0.0015 U	0.0014 U
Methyl Acetate	NS	NS	NS	0.012 U	0.23 J	0.0052 U	0.0075 U	0.0069 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.012 U	1.1 U	0.0057	0.0075 U	0.0084
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.012 U	1.1 UJ	0.0052 U	0.0075 U	0.0069 U
Methylcyclohexane	NS	NS	NS	0.0023 U	2.3	0.00086 J	0.0015 U	0.013
Methylene Chloride	0.05	100	0.05	0.0046 U	0.22 U	0.0021 U	0.003 U	0.0028 U
N-Butylbenzene	12	100	12	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
N-Propylbenzene	3.9	100	3.9	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0023 U	0.16 J	0.001 U	0.0015 U	0.0014 U
Sec-Butylbenzene	11	100	11	0.0023 U	0.13 J	0.001 U	0.0015 U	0.00091 J
Styrene	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
T-Butylbenzene	5.9	100	5.9	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0023 U	0.22 U	0.001 U	0.044	0.0014 U
Toluene	0.7	100	0.7	0.0023 U	0.41	0.001 U	0.0015 U	0.0014 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Trichlorofluoromethane	NS	NS	NS	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Vinyl Chloride	0.02	0.9	0.02	0.0023 U	0.22 U	0.001 U	0.0015 U	0.0014 U
Xylenes, Total	**0.26**	100	1.6	0.0046 U	**0.79**	0.0021 U	0.003 U	0.0028 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-10_14-16_20220616	RI-SB-11_0-2_20220615	RI-SB-11_8-10_20220615	RI-SB-11_13-15_20220615	RI-SB-12_0-0.2_20220615
			Laboratory Sample ID	460-260250-12	460-260169-12	460-260169-13	460-260169-14	460-260169-1
			Date Sampled	6/16/2022	6/15/2022	6/15/2022	6/15/2022	6/15/2022
			Dilution Factor	1	1	50	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	0.0018 U	0.12 U	0.004 U	0.0015 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
1,1,2-Trichloroethane	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 UJ	0.0015 U
1,1-Dichloroethane	0.27	26	0.27	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
1,1-Dichloroethene	0.33	100	0.33	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0014 U	0.0018 U	0.12 UJ	0.004 UJ	0.0015 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 UJ	0.0015 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
1,2-Dichloropropane	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0014 U	0.0018 U	0.12 UJ	0.004 UJ	0.0015 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
2-Hexanone	NS	NS	NS	0.007 U	0.0088 UJ	0.58 U	0.02 U	0.0073 U
Acetone	**0.05**	100	0.05	0.031	0.011 U	0.58 U	**0.13 JL**	0.0088 U
Benzene	**0.06**	4.8	0.06	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Bromochloromethane	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Bromodichloromethane	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Bromoform	NS	NS	NS	0.0014 U	0.0018 UJ	0.12 UJ	0.004 U	0.0015 U
Bromomethane	NS	NS	NS	0.0028 U	0.0035 U	0.12 U	0.0079 U	0.0029 U
Carbon Disulfide	NS	NS	NS	0.0041	0.0018 U	0.12 U	0.0023 J	0.0015 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Chlorobenzene	1.1	100	1.1	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Chloroethane	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Chloroform	0.37	49	0.37	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Chloromethane	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 UJ	0.0015 U
Cyclohexane	NS	NS	NS	0.0014 U	0.0018 U	0.12 UJ	0.0025 J	0.0015 U
Dibromochloromethane	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 UJ	0.0015 U
Dichlorodifluoromethane	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Ethylbenzene	1	41	1	0.0014 U	0.0018 U	0.12 UJ	0.0016 J	0.0015 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0014 U	0.0018 U	0.12 UJ	0.004 UJ	0.0015 U
M,P-Xylenes	NS	NS	NS	0.0014 U	0.0018 U	0.12 UJ	0.00074 J	0.0015 U
Methyl Acetate	NS	NS	NS	0.007 U	0.0088 U	0.58 U	0.02 U	0.0073 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0058 J	0.0088 U	0.58 U	0.024	0.0073 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.007 U	0.0088 UJ	0.58 U	0.02 U	0.0073 U
Methylcyclohexane	NS	NS	NS	0.0014 U	0.0018 U	0.12 UJ	0.004 UJ	0.0015 U
Methylene Chloride	0.05	100	0.05	0.0028 U	0.0035 U	0.12 U	0.0079 U	0.0029 U
N-Butylbenzene	12	100	12	0.0014 U	0.0018 U	0.12 UJ	0.004 UJ	0.0015 U
N-Propylbenzene	3.9	100	3.9	0.0014 U	0.0018 U	0.12 UJ	0.004 UJ	0.0015 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0014 U	0.0018 U	0.12 UJ	0.004 UJ	0.0015 U
Sec-Butylbenzene	11	100	11	0.0014 U	0.0018 U	0.12 UJ	0.004 UJ	0.0015 U
Styrene	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
T-Butylbenzene	5.9	100	5.9	0.0014 U	0.0018 U	0.1 J	0.004 U	0.0015 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0014 U	0.0018 U	0.12 U	0.004 UJ	0.0015 U
Toluene	0.7	100	0.7	0.0014 U	0.0018 U	0.12 UJ	0.0049 J	0.0015 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 UJ	0.0015 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Trichlorofluoromethane	NS	NS	NS	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Vinyl Chloride	0.02	0.9	0.02	0.0014 U	0.0018 U	0.12 U	0.004 U	0.0015 U
Xylenes, Total	**0.26**	100	1.6	0.0028 U	0.0035 U	0.23 UJ	0.00074 J	0.0029 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-12_0-2_20220615	RI-SB-12_8-10_20220615	RI-SB-12_12-14_20220615	RI-SB-13_0-.2_20220614	RI-SB-13_0-2_20220614
			Laboratory Sample ID	460-260169-2	460-260169-3	460-260169-4	460-260103-1	460-260103-2
			Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/14/2022	6/14/2022
			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	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,1,2-Trichloroethane	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0014 U	0.0012 U	0.0022 UJ	0.0018 U	0.0013 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	0.00049 J	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,2-Dichloropropane	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0014 U	0.0012 U	0.0022 UJ	0.0018 U	0.0013 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
2-Hexanone	NS	NS	NS	0.0071 UJ	0.0062 UJ	0.011 UJ	0.0088 U	0.0066 U
Acetone	**0.05**	100	0.05	0.0085 UJ	0.042	**0.09**	0.011 U	0.008 U
Benzene	**0.06**	4.8	0.06	0.00086 J	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Bromochloromethane	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Bromodichloromethane	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Bromoform	NS	NS	NS	0.0014 UJ	0.0012 UJ	0.0022 UJ	0.0018 UJ	0.0013 UJ
Bromomethane	NS	NS	NS	0.0028 U	0.0025 U	0.0044 U	0.0035 U	0.0027 U
Carbon Disulfide	NS	NS	NS	0.0014 U	0.0014	0.02	0.0011 J	0.0013 UJ
Carbon Tetrachloride	0.76	2.4	0.76	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Chloroethane	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Chloroform	0.37	49	0.37	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Chloromethane	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Cyclohexane	NS	NS	NS	0.0014 U	0.0012 U	0.00082 J	0.0018 U	0.0013 U
Dibromochloromethane	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Dichlorodifluoromethane	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Ethylbenzene	1	41	1	0.0014 U	0.0012 U	0.0022 UJ	0.0018 U	0.0013 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0014 U	0.0012 U	0.0022 UJ	0.0018 U	0.0013 U
M,P-Xylenes	NS	NS	NS	0.0014 U	0.0012 U	0.0022 UJ	0.0018 U	0.0013 U
Methyl Acetate	NS	NS	NS	0.0071 U	0.0062 U	0.011 U	0.0088 U	0.0066 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0071 U	0.0026 J	0.016	0.0088 U	0.0066 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0071 UJ	0.0062 UJ	0.011 UJ	0.0088 U	0.0066 U
Methylcyclohexane	NS	NS	NS	0.0014 U	0.0012 U	0.0011 J	0.0018 U	0.0013 U
Methylene Chloride	0.05	100	0.05	0.0028 U	0.0025 U	0.0044 U	0.0035 U	0.0027 U
N-Butylbenzene	12	100	12	0.0014 U	0.0012 U	0.0022 UJ	0.0018 U	0.0013 U
N-Propylbenzene	3.9	100	3.9	0.0014 U	0.0012 U	0.0022 UJ	0.0018 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0014 U	0.0012 U	0.0022 UJ	0.0018 U	0.0013 U
Sec-Butylbenzene	11	100	11	0.0014 U	0.0012 U	0.0022 UJ	0.0018 U	0.0013 U
Styrene	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
T-Butylbenzene	5.9	100	5.9	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Toluene	0.7	100	0.7	0.0014 U	0.0012 U	0.0009 J	0.0018 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Trichlorofluoromethane	NS	NS	NS	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Vinyl Chloride	0.02	0.9	0.02	0.0014 U	0.0012 U	0.0022 U	0.0018 U	0.0013 U
Xylenes, Total	**0.26**	100	1.6	0.0028 U	0.0025 U	0.0044 UJ	0.0035 U	0.0027 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-13_8-10_20220614	RI-SB-13_10-12_20220614	RI-SB-14_0-2_20220613	RI-SB-14_6-8_20220613	RI-SB-14_12-14_20220613
			Laboratory Sample ID	460-260103-3	460-260103-4	460-260026-4	460-260026-5	460-260026-6
			Date Sampled	6/14/2022	6/14/2022	6/13/2022	6/13/2022	6/13/2022
			Dilution Factor	1	1	1	100	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	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
1,1,2-Trichloroethane	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.00044 J	0.00046 J	0.00059 J	0.27 J	0.00077 J
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
1,2-Dichloropropane	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.0017 U	0.0012 U	0.12 J	0.0028 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
2-Hexanone	NS	NS	NS	0.0053 U	0.0085 U	0.0061 U	1.6 U	0.014 U
Acetone	**0.05**	100	0.05	0.042	0.044	0.0073 U	1.6 UJ	**0.063**
Benzene	**0.06**	4.8	0.06	0.0011 U	0.0026	0.0012 U	**0.084 J**	0.0022 J
Bromochloromethane	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
Bromodichloromethane	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
Bromoform	NS	NS	NS	0.0011 U	0.0017 UJ	0.0012 U	0.33 UJ	0.0028 UJ
Bromomethane	NS	NS	NS	0.0021 U	0.0034 U	0.0024 U	0.33 U	0.0057 U
Carbon Disulfide	NS	NS	NS	0.00039 J	0.0041 J	0.0012 U	0.33 UJ	0.0048
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
Chloroethane	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
Chloroform	0.37	49	0.37	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
Chloromethane	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
Cyclohexane	NS	NS	NS	0.0087	0.0044	0.0012 U	7.8 J	0.011
Dibromochloromethane	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
Dichlorodifluoromethane	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
Ethylbenzene	1	41	1	0.0011 U	0.00037 J	0.0012 U	0.12 J	0.00063 J
Isopropylbenzene (Cumene)	NS	NS	NS	0.0011 U	0.00059 J	0.0012 U	0.58	0.0028 U
M,P-Xylenes	NS	NS	NS	0.00036 J	0.00074 J	0.00056 J	0.33 UJ	0.0022 J
Methyl Acetate	NS	NS	NS	0.0053 U	0.0085 U	0.0061 U	1.6 UJ	0.014 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.013	0.011	0.0061 U	1.6 UJ	0.014 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0053 U	0.0085 U	0.0061 U	1.6 UJ	0.014 U
Methylcyclohexane	NS	NS	NS	0.0081	0.0095	0.0012 U	99 J	0.0079
Methylene Chloride	0.05	100	0.05	0.0021 U	0.0034 U	0.0024 U	0.33 UJ	0.0057 U
N-Butylbenzene	12	100	12	0.0011 U	0.00066 J	0.0012 U	0.33 UJ	0.0028 U
N-Propylbenzene	3.9	100	3.9	0.00039 J	0.0012 J	0.0012 U	0.33 UJ	0.0028 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.00099 J	0.00035 J	0.00031 J	0.25 J	0.0017 J
Sec-Butylbenzene	11	100	11	0.00066 J	0.0017 U	0.0012 U	3.1 J	0.0028 U
Styrene	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.0017 U	0.0012 U	1.1	0.0028 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.0017 U	0.0013	0.33 UJ	0.0028 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
Toluene	0.7	100	0.7	0.00027 J	0.0033	0.00048 J	0.33 UJ	0.0033
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0011 U	0.0017 U	0.0012 U	0.33 U	0.0028 U
Trichlorofluoromethane	NS	NS	NS	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0017 U	0.0012 U	0.33 UJ	0.0028 U
Xylenes, Total	**0.26**	100	1.6	0.0013 J	0.0011 J	0.00087 J	0.25 J	0.0039 J

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-15_0-2_20220613	RI-SB-15_3-5_20220613	RI-SB-15_7-9_20220613	RI-SB-16_0-2_20220614	RI-SB-16_8-10_20220614
			Laboratory Sample ID	460-260026-1	460-260026-2	460-260026-3	460-260103-8	460-260103-9
			Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/14/2022	6/14/2022
			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	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,1,2-Trichloroethane	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0012 U	0.0011 UJ	0.0011 U	0.0012 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dichloropropane	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0012 U	0.0011 UJ	0.0011 U	0.0012 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
2-Hexanone	NS	NS	NS	0.0061 U	0.0053 U	0.0057 U	0.006 U	0.0058 U
Acetone	**0.05**	100	0.05	0.01	0.0063 U	0.014	0.0072 U	0.021 J-
Benzene	**0.06**	4.8	0.06	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Bromochloromethane	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Bromodichloromethane	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Bromoform	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 UJ	0.0012 UJ
Bromomethane	NS	NS	NS	0.0024 U	0.0021 U	0.0023 U	0.0024 U	0.0023 U
Carbon Disulfide	NS	NS	NS	0.0012 U	0.0011 U	0.0011	0.0012 UJ	0.0012 J
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Chloroethane	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Chloroform	0.37	49	0.37	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Chloromethane	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Cyclohexane	NS	NS	NS	0.0012 U	0.0011 UJ	0.0011 U	0.0012 U	0.0012 U
Dibromochloromethane	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Dichlorodifluoromethane	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Ethylbenzene	1	41	1	0.0012 U	0.0011 UJ	0.0011 U	0.0012 U	0.0012 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0012 U	0.0011 UJ	0.0011 U	0.0012 U	0.0012 U
M,P-Xylenes	NS	NS	NS	0.0012 U	0.0011 UJ	0.0011 U	0.0012 U	0.0012 U
Methyl Acetate	NS	NS	NS	0.0061 U	0.0053 U	0.0057 U	0.006 U	0.0058 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0061 U	0.0053 U	0.0057 U	0.006 U	0.0058 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0061 U	0.0053 U	0.0057 U	0.006 U	0.0058 U
Methylcyclohexane	NS	NS	NS	0.0012 U	0.0011 UJ	0.0011 U	0.0012 U	0.0012 U
Methylene Chloride	0.05	100	0.05	0.0024 U	0.0021 U	0.0023 U	0.0024 U	0.0023 U
N-Butylbenzene	12	100	12	0.0012 U	0.0011 UJ	0.0011 U	0.0012 U	0.0012 U
N-Propylbenzene	3.9	100	3.9	0.0012 U	0.0011 UJ	0.0011 U	0.0012 U	0.0012 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0012 U	0.0011 UJ	0.0011 U	0.0012 U	0.0012 U
Sec-Butylbenzene	11	100	11	0.0012 U	0.0011 UJ	0.0011 U	0.0012 U	0.0012 U
Styrene	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
T-Butylbenzene	5.9	100	5.9	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00051 J	0.00038 J	0.0011 U	0.0019	0.0012 U
Toluene	0.7	100	0.7	0.00031 J	0.0011 UJ	0.0011 U	0.0012 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Trichlorofluoromethane	NS	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Xylenes, Total	**0.26**	100	1.6	0.0024 U	0.0021 UJ	0.0023 U	0.0024 U	0.0023 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-16_10-12_20220614	RI-SB-X01_20220614	RI-SB-17_0-2_20220614	RI-SB-17_12-14_20220614	RI-SB-17_15-17_20220614
			Laboratory Sample ID	460-260103-10	460-260103-11	460-260103-5	460-260103-6	460-260103-7
			Date Sampled	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
			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	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,1,2-Trichloroethane	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,2-Dichloropropane	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
2-Hexanone	NS	NS	NS	0.0065 UJ	0.0082 U	0.0079 U	0.0075 U	0.0059 U
Acetone	**0.05**	100	0.05	0.021 J-	0.023 J-	0.0095 U	0.037	0.02
Benzene	**0.06**	4.8	0.06	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Bromochloromethane	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Bromodichloromethane	NS	NS	NS	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Bromoform	NS	NS	NS	0.0013 UJ	0.0016 UJ	0.0016 UJ	0.0015 UJ	0.0012 UJ
Bromomethane	NS	NS	NS	0.0026 U	0.0033 U	0.0032 U	0.003 U	0.0024 U
Carbon Disulfide	NS	NS	NS	0.012 J	0.022 J	0.0016 UJ	0.0029 J	0.0037 J
Carbon Tetrachloride	0.76	2.4	0.76	0.0013 UJ	0.0016 UJ	0.0016 U	0.0015 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Chloroethane	NS	NS	NS	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Chloroform	0.37	49	0.37	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Chloromethane	NS	NS	NS	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Cyclohexane	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0063
Dibromochloromethane	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Dichlorodifluoromethane	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Ethylbenzene	1	41	1	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
M,P-Xylenes	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Methyl Acetate	NS	NS	NS	0.0065 U	0.0082 U	0.0079 U	0.0075 U	0.0059 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0065 U	0.0082 U	0.0079 U	0.0049 J	0.0021 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0065 UJ	0.0082 U	0.0079 U	0.0075 U	0.0059 U
Methylcyclohexane	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.00093 J	0.052
Methylene Chloride	0.05	100	0.05	0.0026 U	0.0033 U	0.0032 U	0.003 U	0.0024 U
N-Butylbenzene	12	100	12	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.00087 J
N-Propylbenzene	3.9	100	3.9	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Sec-Butylbenzene	11	100	11	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0019
Styrene	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 J+
T-Butylbenzene	5.9	100	5.9	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.00047 J
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0013 UJ	0.0016 U	0.0011 J	0.0015 U	0.0012 U
Toluene	0.7	100	0.7	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0013 UJ	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Trichlorofluoromethane	NS	NS	NS	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	0.0013 U	0.0016 U	0.0016 U	0.0015 U	0.0012 U
Xylenes, Total	**0.26**	100	1.6	0.0026 UJ	0.0033 U	0.0032 U	0.003 U	0.0024 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

AKRF Sample ID				RI-SB-25_8-10_20220728	RI-SB-X01_20220728	RI-SB-25_15-17_20220728	RI-SB-26_10-12_20220729	RI-SB-26_14-16_20220729
Laboratory Sample ID				460-262776-1	460-262776-3	460-262776-2	460-262866-5	460-262866-6
Date Sampled				7/28/2022	7/28/2022	7/28/2022	7/29/2022	7/29/2022
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	0.0016 U	0.0011 UJ	0.0019 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
1,1,2-Trichloroethane	NS	NS	NS	0.0014 U	0.0015 U	0.0016 UJ	0.0011 UJ	0.0019 U
1,1-Dichloroethane	0.27	26	0.27	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
1,1-Dichloroethene	0.33	100	0.33	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0027 JH	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0014 UJ	0.0015 U	0.0016 UJ	0.0011 UJ	0.0019 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0014 U	0.0015 U	0.0016 UJ	0.0011 UJ	0.0019 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0014 U	0.0015 U	0.0016 UJ	0.0011 UJ	0.0019 UJ
1,2-Dichloropropane	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0013 JH	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
2-Hexanone	NS	NS	NS	0.0072 U	0.0075 U	0.008 U	0.0056 UJ	0.0094 U
Acetone	**0.05**	100	0.05	0.046 J	0.016 J	0.017 J	**0.061 J**	0.04
Benzene	**0.06**	4.8	0.06	0.016 J	0.0015 UJ	0.0018 J	0.0011 UJ	0.0019 U
Bromochloromethane	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Bromodichloromethane	NS	NS	NS	0.0014 U	0.0015 U	0.0016 UJ	0.0011 UJ	0.0019 U
Bromoform	NS	NS	NS	0.0014 U	0.0015 U	0.0016 UJ	0.0011 UJ	0.0019 U
Bromomethane	NS	NS	NS	0.0029 U	0.003 U	0.0032 U	0.0023 UJ	0.0037 U
Carbon Disulfide	NS	NS	NS	0.0021 J	0.0036 J	0.019 J	0.0014 J	0.0054
Carbon Tetrachloride	0.76	2.4	0.76	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Chlorobenzene	1.1	100	1.1	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Chloroethane	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 UJ
Chloroform	0.37	49	0.37	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Chloromethane	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 UJ
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Cyclohexane	NS	NS	NS	0.23 J	0.00064 J	0.0091 J	0.0011 UJ	0.0019 U
Dibromochloromethane	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Dichlorodifluoromethane	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Ethylbenzene	1	41	1	0.00069 JH	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.00055 JH	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
M,P-Xylenes	NS	NS	NS	0.0011 JH	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Methyl Acetate	NS	NS	NS	0.0072 U	0.0075 U	0.008 U	0.0056 UJ	0.0094 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0072 U	0.0075 U	0.008 U	0.012 J	0.0092 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0072 U	0.0075 U	0.008 U	0.0056 UJ	0.0094 U
Methylcyclohexane	NS	NS	NS	0.51 J	0.0033 J	0.0043 J	0.0011 UJ	0.0019 U
Methylene Chloride	0.05	100	0.05	0.0029 U	0.003 U	0.0032 U	0.0023 UJ	0.0037 U
N-Butylbenzene	12	100	12	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
N-Propylbenzene	3.9	100	3.9	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.00092 JH	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Sec-Butylbenzene	11	100	11	0.018 J	0.0015 UJ	0.0016 UJ	0.0011 UJ	0.0019 U
Styrene	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
T-Butylbenzene	5.9	100	5.9	0.018 J	0.0015 UJ	0.0016 UJ	0.0011 UJ	0.0019 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0014 U	0.0015 U	0.0016 UJ	0.0011 UJ	0.0019 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Toluene	0.7	100	0.7	0.0013 JH	0.0015 U	0.00094 J	0.0011 UJ	0.0019 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0014 U	0.0015 U	0.0016 UJ	0.0011 UJ	0.0019 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Trichlorofluoromethane	NS	NS	NS	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Vinyl Chloride	0.02	0.9	0.02	0.0014 U	0.0015 U	0.0016 U	0.0011 UJ	0.0019 U
Xylenes, Total	**0.26**	100	1.6	0.002 JH	0.003 U	0.0032 U	0.0023 UJ	0.0037 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-27_10-12_20220729	RI-SB-27_13-15_20220729	RI-SB-28_9-11_20220729	RI-SB-28_17-19_20220729	RI-SB-29_0-2_20220727
			Laboratory Sample ID	460-262866-3	460-262866-4	460-262866-1	460-262866-2	460-262680-5
			Date Sampled	7/29/2022	7/29/2022	7/29/2022	7/29/2022	7/27/2022
			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	0.0015 U	0.0013 U	0.0013 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,1,2-Trichloroethane	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 UJ	0.001 UJ	0.0015 UJ	0.0013 UJ	0.0013 U
1,2-Dichloropropane	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
2-Hexanone	NS	NS	NS	0.0056 U	0.0052 U	0.0076 U	0.0067 U	0.0067 U
Acetone	**0.05**	100	0.05	0.011	0.012	0.0091 U	0.015	0.008 U
Benzene	**0.06**	4.8	0.06	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Bromochloromethane	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Bromodichloromethane	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Bromoform	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Bromomethane	NS	NS	NS	0.0022 U	0.0021 U	0.003 U	0.0027 U	0.0027 U
Carbon Disulfide	NS	NS	NS	0.0032	0.00069 J	0.0015 U	0.0049	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Chloroethane	NS	NS	NS	0.0011 UJ	0.001 UJ	0.0015 UJ	0.0013 UJ	0.0013 U
Chloroform	0.37	49	0.37	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Chloromethane	NS	NS	NS	0.0011 UJ	0.001 UJ	0.0015 UJ	0.0013 UJ	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Cyclohexane	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Dibromochloromethane	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Dichlorodifluoromethane	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Ethylbenzene	1	41	1	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
M,P-Xylenes	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Methyl Acetate	NS	NS	NS	0.0056 U	0.0052 U	0.0076 U	0.0067 U	0.0067 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0056 U	0.0052 U	0.0076 U	0.0067 U	0.0067 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0056 U	0.0052 U	0.0076 U	0.0067 U	0.0067 U
Methylcyclohexane	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Methylene Chloride	0.05	100	0.05	0.0022 U	0.0021 U	0.0019 J	0.0027 U	0.0027 U
N-Butylbenzene	12	100	12	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
N-Propylbenzene	3.9	100	3.9	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Styrene	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Toluene	0.7	100	0.7	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0054
Trichlorofluoromethane	NS	NS	NS	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.001 U	0.0015 U	0.0013 U	0.0013 U
Xylenes, Total	**0.26**	100	1.6	0.0022 U	0.0021 U	0.003 U	0.0027 U	0.0027 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-X01_20220727	RI-SB-29_5-7_20220727	RI-SB-29_15-17_20220727	RI-SB-30_0-2_20220727	RI-SB-30_7-9_20220727
			Laboratory Sample ID	460-262680-6	460-262680-7	460-262680-8	460-262680-9	460-262680-10
			Date Sampled	7/27/2022	7/27/2022	7/27/2022	7/27/2022	7/27/2022
			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	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
1,1,2-Trichloroethane	NS	NS	NS	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.00066 J
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
1,2-Dichloropropane	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
2-Hexanone	NS	NS	NS	0.0077 U	0.0059 U	0.0052 U	0.0082 U	0.0054 U
Acetone	**0.05**	100	0.05	0.0093 U	0.033 JH	0.037 JH	0.0098 U	**0.064 JH**
Benzene	**0.06**	4.8	0.06	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.00061 J
Bromochloromethane	NS	NS	NS	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
Bromodichloromethane	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Bromoform	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Bromomethane	NS	NS	NS	0.0031 U	0.0024 U	0.0021 UJ	0.0033 U	0.0021 U
Carbon Disulfide	NS	NS	NS	0.0015 U	0.0012 U	0.0097 JH	0.0016 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Chloroethane	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Chloroform	0.37	49	0.37	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Chloromethane	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Cyclohexane	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Dibromochloromethane	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Dichlorodifluoromethane	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Ethylbenzene	1	41	1	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
M,P-Xylenes	NS	NS	NS	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
Methyl Acetate	NS	NS	NS	0.0077 U	0.0059 U	0.0052 U	0.0082 U	0.0054 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0077 U	0.0059 U	0.0052 U	0.0082 U	0.011
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0077 U	0.0059 U	0.0052 U	0.0082 U	0.0054 U
Methylcyclohexane	NS	NS	NS	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0035
Methylene Chloride	0.05	100	0.05	0.0031 U	0.0024 U	0.0021 U	0.0033 U	0.0021 U
N-Butylbenzene	12	100	12	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
N-Propylbenzene	3.9	100	3.9	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
Sec-Butylbenzene	11	100	11	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
Styrene	NS	NS	NS	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Toluene	0.7	100	0.7	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0015 U	0.0012 U	0.001 UJ	0.0016 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0047	0.0012 U	0.001 U	0.0016 U	0.0011 U
Trichlorofluoromethane	NS	NS	NS	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Vinyl Chloride	0.02	0.9	0.02	0.0015 U	0.0012 U	0.001 U	0.0016 U	0.0011 U
Xylenes, Total	**0.26**	100	1.6	0.0031 U	0.0024 U	0.0021 UJ	0.0033 U	0.0021 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-30_18-20_20220727	RI-SB-31_0-2_20220727	RI-SB-31_6-8_20220727	RI-SB-32_0-2_20220727	RI-SB-32_5-7_20220727
			Laboratory Sample ID	460-262680-11	460-262680-14	460-262680-15	460-262680-1	460-262680-2
			Date Sampled	7/27/2022	7/27/2022	7/27/2022	7/27/2022	7/27/2022
			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	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,1,2-Trichloroethane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,2-Dichloropropane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
2-Hexanone	NS	NS	NS	0.0054 U	0.0095 U	0.0072 U	0.0075 U	0.0076 U
Acetone	**0.05**	100	0.05	0.0065 U	**0.11 JH**	0.0087 U	0.009 U	0.046 JH
Benzene	**0.06**	4.8	0.06	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Bromochloromethane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Bromodichloromethane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Bromoform	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Bromomethane	NS	NS	NS	0.0022 U	0.0038 U	0.0029 U	0.003 U	0.003 U
Carbon Disulfide	NS	NS	NS	0.0011 U	0.0047 JH	0.0014 U	0.0015 U	0.0018 JH
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Chloroethane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Chloroform	0.37	49	0.37	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Chloromethane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Cyclohexane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Dibromochloromethane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Dichlorodifluoromethane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Ethylbenzene	1	41	1	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
M,P-Xylenes	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Methyl Acetate	NS	NS	NS	0.0054 U	0.0095 U	0.0072 U	0.0075 U	0.0076 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0054 U	0.02	0.0072 U	0.0075 U	0.0062 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0054 U	0.0095 U	0.0072 U	0.0075 U	0.0076 U
Methylcyclohexane	NS	NS	NS	0.0011 U	0.0027	0.0014 U	0.0015 U	0.0015 U
Methylene Chloride	0.05	100	0.05	0.0022 U	0.0038 U	0.0029 U	0.003 U	0.003 U
N-Butylbenzene	12	100	12	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
N-Propylbenzene	3.9	100	3.9	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Styrene	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0019 U	0.0014 U	0.00082 J	0.0015 U
Toluene	0.7	100	0.7	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Trichloroethylene (TCE)	0.47	21	0.47	0.029	0.0019 U	0.0014 U	0.0017	0.0015 U
Trichlorofluoromethane	NS	NS	NS	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0019 U	0.0014 U	0.0015 U	0.0015 U
Xylenes, Total	**0.26**	100	1.6	0.0022 U	0.0038 U	0.0029 U	0.003 U	0.003 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	RI-SB-33_0-2_20220727	RI-SB-33_5-7_20220727	RI-SED-01_20220801	RI-SED-02_20220801	FB-01_20220613
			Laboratory Sample ID	460-262680-3	460-262680-4	460-263026-4	460-263026-5	460-260026-16
			Date Sampled	7/27/2022	7/27/2022	8/01/2022	8/01/2022	6/13/2022
			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	0.0026 U	0.0025 U	1 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,1,2-Trichloroethane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 UJ
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0012 U	0.0026 UJ	0.0025 UJ	1 U
1,2-Dichloropropane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
2-Hexanone	NS	NS	NS	0.0058 U	0.0059 U	0.013 U	0.013 U	5 U
Acetone	**0.05**	100	0.05	0.0069 U	0.018 JH	0.016 U	0.015 U	5 U
Benzene	**0.06**	4.8	0.06	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Bromochloromethane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Bromodichloromethane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Bromoform	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 UJ
Bromomethane	NS	NS	NS	0.0023 U	0.0023 U	0.0052 U	0.005 U	1 U
Carbon Disulfide	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Chloroethane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 UJ	0.0025 UJ	1 U
Chloroform	0.37	49	0.37	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Chloromethane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 UJ	0.0025 UJ	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Cyclohexane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Dibromochloromethane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Dichlorodifluoromethane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Ethylbenzene	1	41	1	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
M,P-Xylenes	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Methyl Acetate	NS	NS	NS	0.0058 U	0.0059 U	0.013 U	0.013 U	5 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0058 U	0.0059 U	0.013 U	0.013 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0058 U	0.0059 U	0.013 U	0.013 U	5 U
Methylcyclohexane	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Methylene Chloride	0.05	100	0.05	0.0023 U	0.0023 U	0.0052 U	0.005 U	1 U
N-Butylbenzene	12	100	12	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
N-Propylbenzene	3.9	100	3.9	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Sec-Butylbenzene	11	100	11	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Styrene	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
T-Butylbenzene	5.9	100	5.9	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Toluene	0.7	100	0.7	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 UJ
Trichloroethylene (TCE)	0.47	21	0.47	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Trichlorofluoromethane	NS	NS	NS	0.0012 U	0.0012 U	0.0011 J	0.0025 U	1 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0012 U	0.0026 U	0.0025 U	1 U
Xylenes, Total	**0.26**	100	1.6	0.0023 U	0.0023 U	0.0052 U	0.005 U	2 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	FB-01_20220614	FB-01_20220616	FB-01_20220728	TB-01_20220613	TB-01_20220614
			Laboratory Sample ID	460-260103-12	460-260250-8	460-262776-5	460-260026-15	460-260103-13
			Date Sampled	6/14/2022	6/16/2022	7/28/2022	6/13/2022	6/14/2022
			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
1,1,2,2-Tetrachloroethane	NS	NS	NS	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	NS	NS	NS	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
1,2,3-Trichlorobenzene	NS	NS	NS	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	NS	NS	NS	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-Dibromo-3-Chloropropane	NS	NS	NS	1 U	1 U	1 U	1 UJ	1 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	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
1,2-Dichloropropane	NS	NS	NS	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
2-Hexanone	NS	NS	NS	5 U	5 U	5 U	5 U	5 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
Bromochloromethane	NS	NS	NS	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	NS	NS	NS	1 U	1 U	1 U	1 U	1 U
Bromoform	NS	NS	NS	1 U	1 U	1 U	1 UJ	1 U
Bromomethane	NS	NS	NS	1 UJ	1 UJ	1 U	1 U	1 UJ
Carbon Disulfide	NS	NS	NS	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
Chloroethane	NS	NS	NS	1 UJ	1 UJ	1 U	1 U	1 UJ
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U	1 U
Chloromethane	NS	NS	NS	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
Cis-1,3-Dichloropropene	NS	NS	NS	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NS	NS	NS	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	NS	NS	NS	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	NS	NS	NS	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1	41	1	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	NS	NS	NS	1 U	1 U	1 U	1 U	1 U
M,P-Xylenes	NS	NS	NS	1 U	1 U	1 U	1 U	1 U
Methyl Acetate	NS	NS	NS	5 U	5 U	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	NS	NS	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
N-Butylbenzene	12	100	12	1 U	1 U	1 U	1 U	1 U
N-Propylbenzene	3.9	100	3.9	1 U	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	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
Styrene	NS	NS	NS	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
Trans-1,3-Dichloropropene	NS	NS	NS	1 U	1 U	1 U	1 UJ	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	NS	NS	NS	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, Total	**0.26**	100	1.6	2 U	2 U	2 U	2 U	2 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	TB-01_20220615	TB-01_20220616	TB-01_20220617	TB-01_20220620
			Laboratory Sample ID	460-260169-15	460-260250-9	460-260400-4	460-260471-7
			Date Sampled	6/13/2022	6/13/2022	6/17/2022	6/20/2022
			Dilution Factor	1	1	1	1
			Unit	µg/L	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	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	NS	NS	NS	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	NS	NS	NS	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	NS	NS	NS	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
1,2-Dibromo-3-Chloropropane	NS	NS	NS	1 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U	1 U
1,2-Dichloropropane	NS	NS	NS	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
1,3-Dichlorobenzene	2.4	49	2.4	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1.8	13	1.8	1 U	1 U	1 U	1 U
2-Hexanone	NS	NS	NS	5 U	5 U	5 U	5 U
Acetone	**0.05**	100	0.05	5 U	5 U	5 U	5 U
Benzene	**0.06**	4.8	0.06	1 U	1 U	1 U	1 U
Bromochloromethane	NS	NS	NS	1 U	1 U	1 U	1 U
Bromodichloromethane	NS	NS	NS	1 U	1 U	1 U	1 U
Bromoform	NS	NS	NS	1 U	1 U	1 U	1 U
Bromomethane	NS	NS	NS	1 UJ	1 UJ	1 U	1 U
Carbon Disulfide	NS	NS	NS	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U	1 U
Chloroethane	NS	NS	NS	1 UJ	1 UJ	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U	1 U
Chloromethane	NS	NS	NS	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
Cis-1,3-Dichloropropene	NS	NS	NS	1 U	1 U	1 U	1 U
Cyclohexane	NS	NS	NS	1 U	1 U	1 U	1 U
Dibromochloromethane	NS	NS	NS	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	NS	NS	NS	1 U	1 U	1 U	1 U
Ethylbenzene	1	41	1	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	NS	NS	NS	1 U	1 U	1 U	1 U
M,P-Xylenes	NS	NS	NS	1 U	1 U	1 U	1 U
Methyl Acetate	NS	NS	NS	5 U	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	NS	NS	1 U	1 U	1 U	1 U
Methylene Chloride	0.05	100	0.05	1 U	1 U	1 U	1 U
N-Butylbenzene	12	100	12	1 U	1 U	1 U	1 U
N-Propylbenzene	3.9	100	3.9	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	1 U	1 U	1 U	1 U
Sec-Butylbenzene	11	100	11	1 U	1 U	1 U	1 U
Styrene	NS	NS	NS	1 U	1 U	1 U	1 U
T-Butylbenzene	5.9	100	5.9	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
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U	1 U
Toluene	0.7	100	0.7	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
Trans-1,3-Dichloropropene	NS	NS	NS	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U	1 U
Trichlorofluoromethane	NS	NS	NS	1 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U	1 U
Xylenes, Total	**0.26**	100	1.6	2 U	2 U	2 U	2 U

Table 2A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	TB-01_20220727	TB-01_20220728
			Laboratory Sample ID	460-262680-16	460-262776-4
			Date Sampled	7/27/2022	7/28/2022
			Dilution Factor	1	1
			Unit	µg/L	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	1 U	1 U
1,1,2-Trichloroethane	NS	NS	NS	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U
1,2,3-Trichlorobenzene	NS	NS	NS	1 U	1 U
1,2,4-Trichlorobenzene	NS	NS	NS	1 U	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	1 U	1 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	1 U	1 U
1,2-Dichlorobenzene	1.1	100	1.1	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U
1,2-Dichloropropane	NS	NS	NS	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	1 U	1 U
1,3-Dichlorobenzene	2.4	49	2.4	1 U	1 U
1,4-Dichlorobenzene	1.8	13	1.8	1 U	1 U
2-Hexanone	NS	NS	NS	5 U	5 U
Acetone	**0.05**	100	0.05	5 UJ	5 U
Benzene	**0.06**	4.8	0.06	1 U	1 U
Bromochloromethane	NS	NS	NS	1 U	1 U
Bromodichloromethane	NS	NS	NS	1 U	1 U
Bromoform	NS	NS	NS	1 U	1 U
Bromomethane	NS	NS	NS	1 U	1 U
Carbon Disulfide	NS	NS	NS	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U
Chloroethane	NS	NS	NS	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U
Chloromethane	NS	NS	NS	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U
Cis-1,3-Dichloropropene	NS	NS	NS	1 U	1 U
Cyclohexane	NS	NS	NS	1 U	1 U
Dibromochloromethane	NS	NS	NS	1 U	1 U
Dichlorodifluoromethane	NS	NS	NS	1 UJ	1 U
Ethylbenzene	1	41	1	1 U	1 U
Isopropylbenzene (Cumene)	NS	NS	NS	1 U	1 U
M,P-Xylenes	NS	NS	NS	1 U	1 U
Methyl Acetate	NS	NS	NS	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	5 U	5 U
Methylcyclohexane	NS	NS	NS	1 U	1 U
Methylene Chloride	0.05	100	0.05	1 U	1 U
N-Butylbenzene	12	100	12	1 U	1 U
N-Propylbenzene	3.9	100	3.9	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	1 U	1 U
Sec-Butylbenzene	11	100	11	1 U	1 U
Styrene	NS	NS	NS	1 U	1 U
T-Butylbenzene	5.9	100	5.9	1 U	1 U
Tert-Butyl Methyl Ether	0.93	100	0.93	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U
Toluene	0.7	100	0.7	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U
Trans-1,3-Dichloropropene	NS	NS	NS	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U
Trichlorofluoromethane	NS	NS	NS	1 UJ	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U
Xylenes, Total	**0.26**	100	1.6	2 U	2 U

Table 2B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	RI-SB-01_0-2_20220613	RI-SB-01_6-8_20220613	RI-SB-X01_20220613	RI-SB-01_12-14_20220613	RI-SB-02_0-0.2_20220613	RI-SB-02_0-2_20220613
		Laboratory Sample ID	460-260026-7	460-260026-8	460-260026-10	460-260026-9	460-260026-11	460-260026-12
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.037 UJ	0.04 U	0.048 U	0.056 U	0.039 U	0.041 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
2,4,5-Trichlorophenol	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
2,4,6-Trichlorophenol	NS	NS	0.15 UJ	0.16 U	0.19 U	0.22 U	0.16 U	0.17 U
2,4-Dichlorophenol	NS	NS	0.15 UJ	0.16 U	0.19 U	0.22 U	0.16 U	0.17 U
2,4-Dimethylphenol	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
2,4-Dinitrophenol	NS	NS	0.3 R	0.33 U	0.38 U	0.45 U	0.31 U	0.33 U
2,4-Dinitrotoluene	NS	NS	0.076 UJ	0.082 U	0.096 U	0.11 U	0.079 U	0.084 U
2,6-Dinitrotoluene	NS	NS	0.076 UJ	0.082 U	0.096 U	0.11 U	0.079 U	0.084 U
2-Chloronaphthalene	NS	NS	0.067 J-	0.023 J	0.48 U	0.56 U	0.028 J	0.41 U
2-Chlorophenol	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
2-Methylnaphthalene	NS	NS	0.049 J-	0.31 J	0.12 J	0.039 J	0.047 J	0.05 J
2-Methylphenol (O-Cresol)	0.33	100	0.037 J-	0.4 U	0.48 U	0.56 U	0.02 J	0.018 J
2-Nitroaniline	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
2-Nitrophenol	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
3- And 4- Methylphenol (Total)	NS	NS	0.074 J-	0.15 J	0.059 J	0.28 J	0.049 J	0.055 J
3,3'-Dichlorobenzidine	NS	NS	0.15 R	0.16 U	0.19 U	0.22 U	0.16 U	0.17 U
3-Nitroaniline	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.3 R	0.33 U	0.38 U	0.45 U	0.31 U	0.33 U
4-Bromophenyl Phenyl Ether	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
4-Chloro-3-Methylphenol	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
4-Chloroaniline	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.074 J-	0.15 J	0.059 J	0.28 J	0.049 J	0.055 J
4-Nitroaniline	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
4-Nitrophenol	NS	NS	0.16 J-	0.82 U	0.96 U	1.1 U	0.79 U	0.84 U
Acenaphthene	20	100	0.37 UJ	0.11 J	0.027 J	0.034 J	0.39 U	0.41 U
Acenaphthylene	100	100	0.21 J-	0.093 J	0.044 J	0.56 U	0.065 J	0.038 J
Acetophenone	NS	NS	0.37 UJ	0.4 U	0.48 U	0.051 J	0.39 U	0.047 J
Anthracene	100	100	0.018 J-	0.31 J	0.078 J	0.56 U	0.026 J	0.41 U
Atrazine	NS	NS	0.15 U	0.16 U	0.19 U	0.22 U	0.16 U	0.17 U
Benzaldehyde	NS	NS	0.071 J-	0.4 UJ	0.48 UJ	0.56 UJ	0.39 UJ	0.2 J-
Benzo(a)Anthracene	**1**	1	0.037 UJ	0.33 J	0.15 J	0.056 UJ	0.076 J	0.041 UJ
Benzo(a)Pyrene	**1**	1	0.037 UJ	0.35 J	0.13 J	0.056 UJ	0.064 J	0.024 J
Benzo(b)Fluoranthene	**1**	1	0.019 J	0.43 J	0.19 J	0.056 UJ	0.11 J	0.041 J
Benzo(g,h,i)Perylene	100	100	0.37 R	0.28 J	0.074 J	0.56 U	0.045 J	0.034 J
Benzo(k)Fluoranthene	**0.8**	3.9	0.037 UJ	0.15 J	0.074 J	0.056 UJ	0.035 J	0.013 J
Benzyl Butyl Phthalate	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
Biphenyl (Diphenyl)	NS	NS	0.031 J	0.1 J	0.055 J	0.56 U	0.021 J	0.017 J
Bis(2-Chloroethoxy) Methane	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.037 UJ	0.04 U	0.048 U	0.056 U	0.039 U	0.041 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.026 J-	0.032 J	0.066 J	0.05 J	0.39 U	0.026 J
Caprolactam	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
Carbazole	NS	NS	0.37 UJ	0.16 J	0.035 J	0.025 J	0.39 U	0.41 U
Chrysene	**1**	3.9	0.065 J-	0.44	0.2 J	0.56 U	0.095 J	0.41 U
Dibenz(a,h)Anthracene	**0.33**	0.33	0.037 UJ	0.085 J	0.024 J	0.056 UJ	0.039 UJ	0.041 UJ
Dibenzofuran	7	59	0.37 UJ	0.15 J	0.071 J	0.56 U	0.015 J	0.41 U
Diethyl Phthalate	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
Dimethyl Phthalate	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
Di-N-Butyl Phthalate	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
Di-N-Octylphthalate	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
Fluoranthene	**100**	100	0.048 J-	0.57	0.32 J	0.02 J	0.14 J	0.031 J
Fluorene	30	100	0.029 J-	0.097 J	0.024 J	0.025 J	0.02 J	0.016 J
Hexachlorobenzene	0.33	1.2	0.037 UJ	0.04 U	0.048 U	0.056 U	0.039 U	0.041 U
Hexachlorobutadiene	NS	NS	0.076 UJ	0.082 U	0.096 U	0.11 U	0.079 U	0.084 U
Hexachlorocyclopentadiene	NS	NS	0.37 R	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
Hexachloroethane	NS	NS	0.037 UJ	0.04 U	0.048 U	0.056 U	0.039 U	0.041 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.037 UJ	0.23 J	0.079 J	0.056 UJ	0.043 J	0.026 J
Isophorone	NS	NS	0.15 UJ	0.16 U	0.19 U	0.22 U	0.16 U	0.17 U
Naphthalene	12	100	0.44	0.34 J	0.23 J	0.04 J	0.19 J	0.16 J
Nitrobenzene	NS	NS	0.037 UJ	0.04 U	0.048 U	0.056 U	0.039 U	0.041 U
N-Nitrosodi-N-Propylamine	NS	NS	0.037 UJ	0.04 U	0.048 U	0.056 U	0.039 U	0.041 U
N-Nitrosodiphenylamine	NS	NS	0.37 UJ	0.4 U	0.48 U	0.56 U	0.39 U	0.41 U
Pentachlorophenol	0.8	6.7	0.3 UJ	0.33 U	0.38 U	0.45 U	0.31 U	0.33 U
Phenanthrene	**100**	100	0.1 J-	0.59	0.31 J	0.044 J	0.14 J	0.069 J
Phenol	0.33	100	0.37 UJ	0.052 J	0.48 U	0.56 U	0.048 J	0.41 U
Pyrene	**100**	100	0.067 J-	0.65	0.33 J	0.023 J	0.13 J	0.03 J

Table 2B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	RI-SB-02_7-9_20220613	RI-SB-02_9-11_20220613	RI-SB-03_0-2_20220615	RI-SB-03_0-2_20220615	RI-SB-03_7-9_20220615	RI-SB-03_13-15_20220615
		Laboratory Sample ID	460-260026-13	460-260026-14	460-260169-5	460-260169-5	460-260169-6	460-260169-7
		Date Sampled	6/13/2022	6/13/2022	6/15/2022	6/15/2022	6/15/2022	6/15/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	20	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.38 U	0.42 U	0.4 U	NR	0.45 U	0.4 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.038 U	0.042 U	0.04 UJ	NR	0.045 U	0.04 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.38 U	0.42 U	0.4 U	NR	0.45 U	0.4 U
2,4,5-Trichlorophenol	NS	NS	0.38 U	0.42 U	0.4 UJ	NR	0.45 U	0.4 U
2,4,6-Trichlorophenol	NS	NS	0.15 U	0.17 U	0.16 UJ	NR	0.18 U	0.16 U
2,4-Dichlorophenol	NS	NS	0.15 U	0.17 U	0.16 UJ	NR	0.18 U	0.16 U
2,4-Dimethylphenol	NS	NS	0.38 U	0.42 U	0.048 J-	NR	0.45 U	0.4 U
2,4-Dinitrophenol	NS	NS	0.3 U	0.34 U	0.32 U	NR	0.36 U	0.32 U
2,4-Dinitrotoluene	NS	NS	0.076 U	0.085 U	0.08 U	NR	0.091 U	0.081 U
2,6-Dinitrotoluene	NS	NS	0.076 U	0.085 U	0.08 U	NR	0.091 U	0.081 U
2-Chloronaphthalene	NS	NS	0.025 J	0.42 U	0.4 U	NR	0.45 U	0.4 U
2-Chlorophenol	NS	NS	0.38 U	0.42 U	0.4 UJ	NR	0.45 U	0.4 U
2-Methylnaphthalene	NS	NS	0.067 J	0.33 J	1.5 J-	NR	0.32 J	0.4 U
2-Methylphenol (O-Cresol)	0.33	100	0.38 U	0.42 U	0.033 J-	NR	0.45 U	0.4 U
2-Nitroaniline	NS	NS	0.38 U	0.42 U	0.4 U	NR	0.45 U	0.4 U
2-Nitrophenol	NS	NS	0.38 U	0.42 U	0.4 UJ	NR	0.45 U	0.4 U
3- And 4- Methylphenol (Total)	NS	NS	0.029 J	0.42 U	0.12 J-	NR	0.25 J	0.4 U
3,3'-Dichlorobenzidine	NS	NS	0.15 U	0.17 U	0.16 U	NR	0.18 U	0.16 U
3-Nitroaniline	NS	NS	0.38 U	0.42 U	0.4 U	NR	0.45 U	0.4 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.3 U	0.34 U	0.32 U	NR	0.36 U	0.32 U
4-Bromophenyl Phenyl Ether	NS	NS	0.38 U	0.42 U	0.4 U	NR	0.45 U	0.4 U
4-Chloro-3-Methylphenol	NS	NS	0.38 U	0.42 U	0.4 UJ	NR	0.45 U	0.4 U
4-Chloroaniline	NS	NS	0.38 U	0.42 U	0.4 UJ	NR	0.45 U	0.4 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.38 U	0.42 U	0.4 U	NR	0.45 U	0.4 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.029 J	0.42 U	0.12 J	NR	0.25 J	0.4 U
4-Nitroaniline	NS	NS	0.38 U	0.42 U	0.4 U	NR	0.45 U	0.4 U
4-Nitrophenol	NS	NS	0.76 U	0.85 U	0.8 UJ	NR	0.91 U	0.81 U
Acenaphthene	20	100	0.011 J	0.38 J	8.9	NR	0.4 J	0.4 U
Acenaphthylene	100	100	0.087 J	0.094 J	0.42	NR	0.05 J	0.4 U
Acetophenone	NS	NS	0.38 U	0.42 U	0.4 UJ	NR	0.45 U	0.4 U
Anthracene	100	100	0.38 U	0.38 J	NR	31	0.21 J	0.4 U
Atrazine	NS	NS	0.15 U	0.17 U	0.16 U	NR	0.18 U	0.16 U
Benzaldehyde	NS	NS	0.38 UJ	0.42 UJ	0.4 UJ	NR	0.45 UJ	0.4 UJ
Benzo(a)Anthracene	**1**	1	0.038 UJ	1 J	NR	**79**	0.76	0.04 U
Benzo(a)Pyrene	**1**	1	0.038 UJ	0.57 J	NR	**67**	0.92	0.04 U
Benzo(b)Fluoranthene	**1**	1	0.038 UJ	0.33 J	NR	**100**	0.99	0.04 U
Benzo(g,h,i)Perylene	100	100	0.38 U	0.26 J	NR	32	0.67	0.4 U
Benzo(k)Fluoranthene	**0.8**	3.9	0.038 UJ	0.09 J	NR	**33**	0.36	0.04 U
Benzyl Butyl Phthalate	NS	NS	0.38 U	0.42 U	1.4	NR	0.45 U	0.4 U
Biphenyl (Diphenyl)	NS	NS	0.025 J	0.1 J	0.6	NR	0.088 J	0.4 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.38 U	0.42 U	0.4 UJ	NR	0.45 U	0.4 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.038 U	0.042 U	0.04 UJ	NR	0.045 U	0.04 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.38 U	0.42 U	0.4 UJ	NR	0.45 U	0.4 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.38 U	0.42 U	1	NR	0.45 U	0.4 U
Caprolactam	NS	NS	0.38 U	0.42 U	0.4 UJ	NR	0.45 U	0.4 U
Carbazole	NS	NS	0.38 U	0.42 U	NR	19	0.062 J	0.4 U
Chrysene	**1**	3.9	0.38 U	**1.3**	NR	**75**	0.92	0.4 U
Dibenz(a,h)Anthracene	**0.33**	0.33	0.038 UJ	0.1 J	NR	**9.8**	0.19	0.04 U
Dibenzofuran	7	59	0.017 J	0.21 J	6.6	NR	0.081 J	0.4 U
Diethyl Phthalate	NS	NS	0.38 U	0.42 U	0.4 U	NR	0.45 U	0.4 U
Dimethyl Phthalate	NS	NS	0.38 U	0.42 U	0.4 U	NR	0.45 U	0.4 U
Di-N-Butyl Phthalate	NS	NS	0.38 U	0.42 U	0.4 U	NR	0.45 U	0.4 U
Di-N-Octylphthalate	NS	NS	0.38 U	0.42 U	0.4 U	NR	0.45 U	0.4 U
Fluoranthene	**100**	100	0.09 J	0.65	NR	**160**	0.87	0.4 U
Fluorene	30	100	0.038 J	0.15 J	NR	13	0.16 J	0.4 U
Hexachlorobenzene	0.33	1.2	0.038 U	0.042 U	0.04 U	NR	0.045 U	0.04 U
Hexachlorobutadiene	NS	NS	0.076 U	0.085 U	0.08 UJ	NR	0.091 U	0.081 U
Hexachlorocyclopentadiene	NS	NS	0.38 U	0.42 U	0.4 UJ	NR	0.45 U	0.4 U
Hexachloroethane	NS	NS	0.038 U	0.042 U	0.04 UJ	NR	0.045 U	0.04 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.038 UJ	0.12 J	NR	**43**	**0.54**	0.04 U
Isophorone	NS	NS	0.15 U	0.17 U	0.16 U	NR	0.18 U	0.16 U
Naphthalene	12	100	0.19 J	0.7	3.3 J-	NR	0.32 J	0.4 U
Nitrobenzene	NS	NS	0.038 U	0.042 U	0.04 UJ	NR	0.045 U	0.04 U
N-Nitrosodi-N-Propylamine	NS	NS	0.038 U	0.042 U	0.04 UJ	NR	0.045 U	0.04 U
N-Nitrosodiphenylamine	NS	NS	0.38 U	0.42 U	0.35 J	NR	0.45 U	0.4 U
Pentachlorophenol	0.8	6.7	0.3 U	0.34 U	0.32 U	NR	0.36 U	0.32 U
Phenanthrene	**100**	100	0.14 J	0.64	NR	**130**	0.61	0.015 J
Phenol	0.33	100	0.38 U	0.42 U	0.4 UJ	NR	0.45 U	0.4 U
Pyrene	**100**	100	0.16 J	2.6	NR	**140**	1.3	0.015 J

Table 2B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	RI-SB-04_0-2_20220620	RI-SB-04_6-8_20220620	RI-SB-04_10-12_20220620	RI-SB-05_0-2_20220620	RI-SB-05_10-12_20220620	RI-SB-05_12-14_20220620
		Laboratory Sample ID	460-260471-1	460-260471-2	460-260471-3	460-260471-4	460-260471-5	460-260471-6
		Date Sampled	6/20/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.033 J	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.042 U	0.039 U	0.045 U	0.038 U	0.042 U	0.067 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
2,4,5-Trichlorophenol	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
2,4,6-Trichlorophenol	NS	NS	0.17 U	0.16 U	0.18 U	0.15 U	0.17 U	0.27 U
2,4-Dichlorophenol	NS	NS	0.17 U	0.16 U	0.18 U	0.15 U	0.17 U	0.27 U
2,4-Dimethylphenol	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
2,4-Dinitrophenol	NS	NS	0.34 U	0.32 U	0.36 U	0.31 U	0.34 U	0.54 U
2,4-Dinitrotoluene	NS	NS	0.086 U	0.08 U	0.092 U	0.078 U	0.084 U	0.14 U
2,6-Dinitrotoluene	NS	NS	0.086 U	0.08 U	0.092 U	0.078 U	0.084 U	0.14 U
2-Chloronaphthalene	NS	NS	0.029 J	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
2-Chlorophenol	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
2-Methylnaphthalene	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.11 J	0.67 U
2-Methylphenol (O-Cresol)	0.33	100	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
2-Nitroaniline	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
2-Nitrophenol	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
3- And 4- Methylphenol (Total)	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.16 J	0.67 U
3,3'-Dichlorobenzidine	NS	NS	0.17 U	0.16 U	0.18 U	0.15 U	0.17 U	0.27 U
3-Nitroaniline	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.34 U	0.32 U	0.36 U	0.31 U	0.34 U	0.54 U
4-Bromophenyl Phenyl Ether	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
4-Chloro-3-Methylphenol	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
4-Chloroaniline	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.42 U	0.39 U	0.45 U	0.38 U	0.16 J	0.67 U
4-Nitroaniline	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
4-Nitrophenol	NS	NS	0.86 U	0.8 U	0.92 U	0.78 U	0.84 U	1.4 U
Acenaphthene	20	100	0.42 U	0.39 U	0.45 U	0.018 J	0.12 J	0.67 U
Acenaphthylene	100	100	0.017 J	0.39 U	0.45 U	0.38 U	0.039 J	0.67 U
Acetophenone	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
Anthracene	100	100	0.42 U	0.016 J	0.45 U	0.031 J	0.22 J	0.67 U
Atrazine	NS	NS	0.17 U	0.16 U	0.18 U	0.15 U	0.17 U	0.27 U
Benzaldehyde	NS	NS	0.42 UJ	0.16 J-	0.45 UJ	0.38 UJ	0.42 UJ	0.67 UJ
Benzo(a)Anthracene	**1**	1	0.035 J	0.095	0.045 U	0.094	0.63	0.067 U
Benzo(a)Pyrene	**1**	1	0.04 J	0.086	0.045 U	0.08	0.47	0.067 U
Benzo(b)Fluoranthene	**1**	1	0.042	0.14	0.045 U	0.1	0.64	0.067 U
Benzo(g,h,i)Perylene	100	100	0.033 J	0.057 J	0.45 U	0.041 J	0.23 J	0.67 U
Benzo(k)Fluoranthene	**0.8**	3.9	0.011 J	0.046	0.045 U	0.035 J	0.23	0.067 U
Benzyl Butyl Phthalate	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
Biphenyl (Diphenyl)	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.034 J	0.67 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.042 U	0.039 U	0.045 U	0.038 U	0.042 U	0.067 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.031 J	0.39 U	0.45 U	0.38 U	0.083 J	0.67 U
Caprolactam	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
Carbazole	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.066 J	0.67 U
Chrysene	**1**	3.9	0.042 J	0.11 J	0.45 U	0.093 J	0.64	0.67 U
Dibenz(a,h)Anthracene	**0.33**	0.33	0.019 J	0.021 J	0.045 U	0.038 U	0.095	0.067 U
Dibenzofuran	7	59	0.42 U	0.39 U	0.45 U	0.38 U	0.11 J	0.67 U
Diethyl Phthalate	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
Dimethyl Phthalate	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
Di-N-Butyl Phthalate	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
Di-N-Octylphthalate	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
Fluoranthene	**100**	100	0.026 J	0.13 J	0.45 U	0.19 J	1.2	0.67 U
Fluorene	30	100	0.42 U	0.39 U	0.45 U	0.012 J	0.17 J	0.67 U
Hexachlorobenzene	0.33	1.2	0.042 U	0.039 U	0.045 U	0.038 U	0.042 U	0.067 U
Hexachlorobutadiene	NS	NS	0.086 U	0.08 U	0.092 U	0.078 U	0.084 U	0.14 U
Hexachlorocyclopentadiene	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
Hexachloroethane	NS	NS	0.042 U	0.039 U	0.045 U	0.038 U	0.042 U	0.067 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.022 J	0.062	0.045 U	0.051	0.3	0.067 U
Isophorone	NS	NS	0.17 U	0.16 U	0.18 U	0.15 U	0.17 U	0.27 U
Naphthalene	12	100	0.025 J	0.0094 J	0.45 U	0.0078 J	0.26 J	0.67 U
Nitrobenzene	NS	NS	0.042 U	0.039 U	0.045 U	0.038 U	0.042 U	0.067 U
N-Nitrosodi-N-Propylamine	NS	NS	0.042 U	0.039 U	0.045 U	0.038 U	0.042 U	0.067 U
N-Nitrosodiphenylamine	NS	NS	0.42 U	0.39 U	0.45 U	0.38 U	0.42 U	0.67 U
Pentachlorophenol	0.8	6.7	0.34 U	0.32 U	0.36 U	0.31 U	0.34 U	0.54 U
Phenanthrene	**100**	100	0.023 J	0.09 J	0.45 U	0.16 J	1	0.014 J
Phenol	0.33	100	0.42 U	0.39 U	0.45 U	0.38 U	0.036 J	0.67 U
Pyrene	**100**	100	0.028 J	0.12 J	0.45 U	0.19 J	1	0.67 U

Table 2B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	RI-SB-06_0-2_20220616	RI-SB-06_6-8_20220616	RI-SB-06_12-14_20220616	RI-SB-07_0-2_20220616	RI-SB-X01_20220616	RI-SB-07_8-10_20220616
		Laboratory Sample ID	460-260250-5	460-260250-6	460-260250-7	460-260250-1	460-260250-4	460-260250-2
		Date Sampled	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.042 U	0.046 U	0.11 U	0.038 U	0.041 U	0.043 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
2,4,5-Trichlorophenol	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
2,4,6-Trichlorophenol	NS	NS	0.17 U	0.18 U	0.44 U	0.15 U	0.17 U	0.18 U
2,4-Dichlorophenol	NS	NS	0.17 U	0.18 U	0.44 U	0.15 U	0.17 U	0.18 U
2,4-Dimethylphenol	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
2,4-Dinitrophenol	NS	NS	0.34 U	0.37 U	0.88 U	0.3 U	0.33 U	0.35 UJ
2,4-Dinitrotoluene	NS	NS	0.085 U	0.093 U	0.22 U	0.076 U	0.084 U	0.088 U
2,6-Dinitrotoluene	NS	NS	0.085 U	0.093 U	0.22 U	0.076 U	0.084 U	0.088 U
2-Chloronaphthalene	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
2-Chlorophenol	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
2-Methylnaphthalene	NS	NS	0.42 U	0.45 J	1.1 U	0.38 U	0.41 U	0.43 U
2-Methylphenol (O-Cresol)	0.33	100	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
2-Nitroaniline	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
2-Nitrophenol	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 UJ
3- And 4- Methylphenol (Total)	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
3,3'-Dichlorobenzidine	NS	NS	0.17 U	0.18 U	0.44 U	0.15 U	0.17 U	0.18 U
3-Nitroaniline	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.34 U	0.37 U	0.88 U	0.3 U	0.33 U	0.35 UJ
4-Bromophenyl Phenyl Ether	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
4-Chloro-3-Methylphenol	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
4-Chloroaniline	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
4-Nitroaniline	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
4-Nitrophenol	NS	NS	0.85 U	0.93 U	2.2 U	0.76 U	0.84 U	0.88 U
Acenaphthene	20	100	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Acenaphthylene	100	100	0.42 U	0.46 U	1.1 U	0.38 U	0.014 J	0.43 U
Acetophenone	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Anthracene	100	100	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Atrazine	NS	NS	0.17 U	0.18 U	0.44 U	0.15 U	0.17 U	0.18 U
Benzaldehyde	NS	NS	0.42 UJ	0.46 UJ	1.1 UJ	0.38 UJ	0.41 U	0.43 UJ
Benzo(a)Anthracene	**1**	1	0.042 UJ	0.046 UJ	0.11 UJ	0.038 UJ	0.13 J	0.037 J
Benzo(a)Pyrene	**1**	1	0.042 UJ	0.046 UJ	0.11 UJ	0.038 UJ	0.29 J	0.038 J
Benzo(b)Fluoranthene	**1**	1	0.019 J	0.046 UJ	0.11 UJ	0.038 UJ	0.38 J	0.043 UJ
Benzo(g,h,i)Perylene	100	100	0.42 U	0.46 U	1.1 U	0.38 U	0.12 J	0.026 J
Benzo(k)Fluoranthene	**0.8**	3.9	0.042 UJ	0.046 UJ	0.11 UJ	0.038 UJ	0.15 J	0.02 J
Benzyl Butyl Phthalate	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Biphenyl (Diphenyl)	NS	NS	0.42 U	0.24 J	1.1 U	0.38 U	0.41 U	0.43 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.042 U	0.046 U	0.11 U	0.038 U	0.041 U	0.043 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Caprolactam	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Carbazole	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Chrysene	**1**	3.9	0.048 J	0.46 U	1.1 U	0.028 J	0.12 J	0.032 J
Dibenz(a,h)Anthracene	**0.33**	0.33	0.042 U	0.046 U	0.11 U	0.038 U	0.049	0.043 UJ
Dibenzofuran	7	59	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Diethyl Phthalate	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Dimethyl Phthalate	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Di-N-Butyl Phthalate	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Di-N-Octylphthalate	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Fluoranthene	**100**	100	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.04 J
Fluorene	30	100	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Hexachlorobenzene	0.33	1.2	0.042 U	0.046 U	0.11 U	0.038 U	0.041 U	0.043 U
Hexachlorobutadiene	NS	NS	0.085 U	0.093 U	0.22 U	0.076 U	0.084 U	0.088 U
Hexachlorocyclopentadiene	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 UJ
Hexachloroethane	NS	NS	0.042 U	0.046 U	0.11 U	0.038 U	0.041 U	0.043 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.042 UJ	0.046 UJ	0.11 UJ	0.038 UJ	0.15 J	0.029 J
Isophorone	NS	NS	0.17 U	0.18 U	0.44 U	0.15 U	0.17 U	0.18 U
Naphthalene	12	100	0.016 J	0.31 J	1.1 U	0.38 U	0.41 U	0.018 J
Nitrobenzene	NS	NS	0.042 U	0.046 U	0.11 U	0.038 U	0.041 U	0.043 U
N-Nitrosodi-N-Propylamine	NS	NS	0.042 U	0.046 U	0.11 U	0.038 U	0.041 U	0.043 U
N-Nitrosodiphenylamine	NS	NS	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Pentachlorophenol	0.8	6.7	0.34 U	0.37 U	0.88 UJ	0.3 UJ	0.33 U	0.35 UJ
Phenanthrene	**100**	100	0.021 J	0.059 J	1.1 U	0.38 U	0.41 U	0.028 J
Phenol	0.33	100	0.42 U	0.46 U	1.1 U	0.38 U	0.41 U	0.43 U
Pyrene	**100**	100	0.014 J	0.46 U	1.1 U	0.38 U	0.011 J	0.038 J

Table 2B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	RI-SB-07_14-16_20220616	RI-SB-08_0-0.2_20220615	RI-SB-08_0-2_20220615	RI-SB-08_7-9_20220615	RI-SB-08_18-20_20220615	RI-SB-09_0-2_20220617
		Laboratory Sample ID	460-260250-3	460-260169-8	460-260169-9	460-260169-10	460-260169-11	460-260400-1
		Date Sampled	6/16/2022	6/15/2022	6/15/2022	6/15/2022	6/15/2022	6/17/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.018 J
1,4-Dioxane (P-Dioxane)	0.1	13	0.04 U	0.039 U	0.043 U	0.038 U	0.042 U	0.057 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
2,4,5-Trichlorophenol	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
2,4,6-Trichlorophenol	NS	NS	0.16 U	0.16 U	0.18 U	0.15 U	0.17 U	0.23 U
2,4-Dichlorophenol	NS	NS	0.16 U	0.16 U	0.18 U	0.15 U	0.17 U	0.23 U
2,4-Dimethylphenol	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
2,4-Dinitrophenol	NS	NS	0.33 U	0.32 U	0.35 U	0.31 U	0.34 U	0.46 U
2,4-Dinitrotoluene	NS	NS	0.082 U	0.08 U	0.088 U	0.077 U	0.086 U	0.11 U
2,6-Dinitrotoluene	NS	NS	0.082 U	0.08 U	0.088 U	0.077 U	0.086 U	0.11 U
2-Chloronaphthalene	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.067 J
2-Chlorophenol	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
2-Methylnaphthalene	NS	NS	0.049 J	0.061 J	0.14 J	0.38 U	0.42 U	0.089 J
2-Methylphenol (O-Cresol)	0.33	100	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
2-Nitroaniline	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
2-Nitrophenol	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
3- And 4- Methylphenol (Total)	NS	NS	0.4 U	0.025 J	0.43 U	0.083 J	0.12 J	0.57 U
3,3'-Dichlorobenzidine	NS	NS	0.16 U	0.16 U	0.18 U	0.15 U	0.17 U	0.23 U
3-Nitroaniline	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.33 U	0.32 U	0.35 U	0.31 U	0.34 U	0.46 U
4-Bromophenyl Phenyl Ether	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
4-Chloro-3-Methylphenol	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
4-Chloroaniline	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.4 U	0.025 J	0.095 J	0.083 J	0.12 J	0.57 U
4-Nitroaniline	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
4-Nitrophenol	NS	NS	0.82 U	0.8 U	0.88 U	0.77 U	0.86 U	1.1 U
Acenaphthene	20	100	0.092 J	0.39 U	0.069 J	0.12 J	0.42 U	0.57 U
Acenaphthylene	100	100	0.022 J	0.39 U	0.034 J	0.38 U	0.42 U	0.045 J
Acetophenone	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Anthracene	100	100	0.2 J	0.019 J	0.053 J	0.069 J	0.42 U	0.57 U
Atrazine	NS	NS	0.16 U	0.16 U	0.18 U	0.15 U	0.17 U	0.23 U
Benzaldehyde	NS	NS	0.4 UJ	0.39 UJ	0.43 UJ	0.38 UJ	0.42 UJ	0.57 UJ
Benzo(a)Anthracene	**1**	1	**1.3 J**	0.039 U	0.15	0.11	0.042 U	0.039 J
Benzo(a)Pyrene	**1**	1	0.41 J	0.039 U	0.1	0.068	0.042 U	0.057 U
Benzo(b)Fluoranthene	**1**	1	0.59 J	0.039 U	0.19	0.11	0.042 U	0.032 J
Benzo(g,h,i)Perylene	100	100	0.22 J	0.39 U	0.038 J	0.041 J	0.42 U	0.57 U
Benzo(k)Fluoranthene	**0.8**	3.9	0.04 UJ	0.039 U	0.062	0.04	0.042 U	0.057 U
Benzyl Butyl Phthalate	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Biphenyl (Diphenyl)	NS	NS	0.4 U	0.06 J	0.058 J	0.38 U	0.42 U	0.041 J
Bis(2-Chloroethoxy) Methane	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.04 U	0.039 U	0.043 U	0.038 U	0.042 U	0.057 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Caprolactam	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Carbazole	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Chrysene	**1**	3.9	**1.9**	0.26 J	0.39 J	0.11 J	0.42 U	0.15 J
Dibenz(a,h)Anthracene	**0.33**	0.33	0.2	0.039 U	0.043 U	0.038 U	0.042 U	0.057 U
Dibenzofuran	7	59	0.4 U	0.016 J	0.036 J	0.38 U	0.42 U	0.027 J
Diethyl Phthalate	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Dimethyl Phthalate	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Di-N-Butyl Phthalate	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Di-N-Octylphthalate	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 UJ
Fluoranthene	**100**	100	0.43	0.11 J	0.53	0.37 J	0.42 U	0.11 J
Fluorene	30	100	0.12 J	0.027 J	0.43 U	0.061 J	0.42 U	0.57 U
Hexachlorobenzene	0.33	1.2	0.04 U	0.039 U	0.043 U	0.038 U	0.042 U	0.057 U
Hexachlorobutadiene	NS	NS	0.082 U	0.08 U	0.088 U	0.077 U	0.086 U	0.11 U
Hexachlorocyclopentadiene	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Hexachloroethane	NS	NS	0.04 U	0.039 U	0.043 U	0.038 U	0.042 U	0.057 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.15 J	0.039 U	0.043 U	0.038 U	0.042 U	0.057 U
Isophorone	NS	NS	0.16 U	0.16 U	0.18 U	0.15 U	0.17 U	0.23 U
Naphthalene	12	100	0.072 J	0.083 J	0.12 J	0.38 U	0.42 U	0.099 J
Nitrobenzene	NS	NS	0.04 U	0.039 U	0.043 U	0.038 U	0.042 U	0.057 U
N-Nitrosodi-N-Propylamine	NS	NS	0.04 U	0.039 U	0.043 U	0.038 U	0.042 U	0.057 U
N-Nitrosodiphenylamine	NS	NS	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Pentachlorophenol	0.8	6.7	0.33 UJ	0.32 U	0.35 U	0.31 U	0.34 U	0.46 U
Phenanthrene	**100**	100	0.82	0.15 J	0.3 J	0.037 J	0.42 U	0.21 J
Phenol	0.33	100	0.4 U	0.39 U	0.43 U	0.38 U	0.42 U	0.57 U
Pyrene	**100**	100	1	0.21 J	0.58	0.33 J	0.012 J	0.11 J

		AKRF Sample ID	RI-SB-09_3-5_20220617	RI-SB-09_10-12_20220617	RI-SB-10_0-2_20220616	RI-SB-10_11-13_20220616	RI-SB-10_14-16_20220616	RI-SB-11_0-2_20220615
		Laboratory Sample ID	460-260400-2	460-260400-3	460-260250-10	460-260250-11	460-260250-12	460-260169-12
		Date Sampled	6/17/2022	6/17/2022	6/16/2022	6/16/2022	6/16/2022	6/15/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.052 U	0.037 U	0.037 U	0.039 U	0.038 U	0.042 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
2,4,5-Trichlorophenol	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
2,4,6-Trichlorophenol	NS	NS	0.21 U	0.15 U	0.15 U	0.16 U	0.16 U	0.17 U
2,4-Dichlorophenol	NS	NS	0.21 U	0.15 U	0.15 U	0.16 U	0.16 U	0.17 U
2,4-Dimethylphenol	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
2,4-Dinitrophenol	NS	NS	0.42 U	0.3 U	0.3 U	0.32 U	0.31 U	0.34 U
2,4-Dinitrotoluene	NS	NS	0.11 U	0.075 U	0.075 U	0.08 U	0.078 U	0.086 U
2,6-Dinitrotoluene	NS	NS	0.11 U	0.075 U	0.075 U	0.08 U	0.078 U	0.086 U
2-Chloronaphthalene	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
2-Chlorophenol	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
2-Methylnaphthalene	NS	NS	0.22 J	0.37 U	0.078 J	0.39 U	0.38 U	0.47
2-Methylphenol (O-Cresol)	0.33	100	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
2-Nitroaniline	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
2-Nitrophenol	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
3- And 4- Methylphenol (Total)	NS	NS	0.11 J	0.37 U	0.37 U	0.19 J	0.11 J	0.027 J
3,3'-Dichlorobenzidine	NS	NS	0.21 U	0.15 U	0.15 U	0.16 U	0.16 U	0.17 U
3-Nitroaniline	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.42 U	0.3 U	0.3 U	0.32 U	0.31 U	0.34 U
4-Bromophenyl Phenyl Ether	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
4-Chloro-3-Methylphenol	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
4-Chloroaniline	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.11 J	0.37 U	0.37 U	0.19 J	0.11 J	0.027 J
4-Nitroaniline	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
4-Nitrophenol	NS	NS	1.1 U	0.75 U	0.75 U	0.8 U	0.78 U	0.86 U
Acenaphthene	20	100	0.074 J	0.06 J	0.37 U	0.029 J	0.38 U	0.11 J
Acenaphthylene	100	100	0.05 J	0.37 U	0.012 J	0.39 U	0.38 U	0.045 J
Acetophenone	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
Anthracene	100	100	0.27 J	0.18 J	0.37 U	0.073 J	0.38 U	0.22 J
Atrazine	NS	NS	0.21 U	0.15 U	0.15 U	0.16 U	0.16 U	0.17 U
Benzaldehyde	NS	NS	0.52 UJ	0.37 UJ	0.37 UJ	0.39 UJ	0.38 UJ	0.42 UJ
Benzo(a)Anthracene	**1**	1	0.36	**2.1**	0.037 UJ	1 J	0.032 J	0.95
Benzo(a)Pyrene	**1**	1	0.2	**1.7**	0.037 UJ	1 J	0.029 J	0.54
Benzo(b)Fluoranthene	**1**	1	0.33	0.89	0.037 UJ	0.77 J	0.024 J	**1.1**
Benzo(g,h,i)Perylene	100	100	0.52 U	1.3	0.37 U	0.67	0.029 J	0.35 J
Benzo(k)Fluoranthene	**0.8**	3.9	0.12	0.18	0.037 UJ	0.039 UJ	0.013 J	0.53
Benzyl Butyl Phthalate	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
Biphenyl (Diphenyl)	NS	NS	0.12 J	0.37 U	0.026 J	0.39 U	0.38 U	0.13 J
Bis(2-Chloroethoxy) Methane	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.052 U	0.037 U	0.037 U	0.039 U	0.038 U	0.042 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.3 J
Caprolactam	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
Carbazole	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.15 J
Chrysene	**1**	3.9	0.83	**2.5**	0.039 J	**1.6**	0.035 J	**1.2**
Dibenz(a,h)Anthracene	**0.33**	0.33	0.052 U	**0.48**	0.037 U	**0.36**	0.038 U	0.13
Dibenzofuran	7	59	0.16 J	0.37 U	0.37 U	0.39 U	0.38 U	0.17 J
Diethyl Phthalate	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
Dimethyl Phthalate	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
Di-N-Butyl Phthalate	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
Di-N-Octylphthalate	NS	NS	0.52 UJ	0.37 UJ	0.37 U	0.39 U	0.38 U	0.42 U
Fluoranthene	**100**	100	1	0.33 J	0.37 U	0.39 U	0.025 J	3.1
Fluorene	30	100	0.38 J	0.046 J	0.37 U	0.39 U	0.38 U	0.36 J
Hexachlorobenzene	0.33	1.2	0.052 U	0.037 U	0.037 U	0.039 U	0.038 U	0.042 U
Hexachlorobutadiene	NS	NS	0.11 U	0.075 U	0.075 U	0.08 U	0.078 U	0.086 U
Hexachlorocyclopentadiene	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
Hexachloroethane	NS	NS	0.052 U	0.037 U	0.037 U	0.039 U	0.038 U	0.042 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.052 U	**0.56**	0.037 UJ	0.36 J	0.016 J	0.4
Isophorone	NS	NS	0.21 U	0.15 U	0.15 U	0.16 U	0.16 U	0.17 U
Naphthalene	12	100	0.22 J	0.0095 J	0.056 J	0.021 J	0.38 U	0.33 J
Nitrobenzene	NS	NS	0.052 U	0.037 U	0.037 U	0.039 U	0.038 U	0.042 U
N-Nitrosodi-N-Propylamine	NS	NS	0.052 U	0.037 U	0.037 U	0.039 U	0.038 U	0.042 U
N-Nitrosodiphenylamine	NS	NS	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
Pentachlorophenol	0.8	6.7	0.42 U	0.3 U	0.3 U	0.32 U	0.31 UJ	0.34 U
Phenanthrene	**100**	100	0.65	0.15 J	0.068 J	0.15 J	0.016 J	3
Phenol	0.33	100	0.52 U	0.37 U	0.37 U	0.39 U	0.38 U	0.42 U
Pyrene	**100**	100	1.8	2	0.019 J	1.1	0.041 J	3.1

		AKRF Sample ID	RI-SB-11_8-10_20220615	RI-SB-11_13-15_20220615	RI-SB-12_0-0.2_20220615	RI-SB-12_0-2_20220615	RI-SB-12_8-10_20220615	RI-SB-12_12-14_20220615
		Laboratory Sample ID	460-260169-13	460-260169-14	460-260169-1	460-260169-2	460-260169-3	460-260169-4
		Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/15/2022	6/15/2022	6/15/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.038 U	0.085 U	0.037 U	0.039 U	0.042 U	0.059 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.38 U	0.85 UJ	0.37 U	0.39 U	0.42 U	0.59 U
2,4,5-Trichlorophenol	NS	NS	0.38 U	0.85 UJ	0.37 U	0.39 U	0.42 U	0.59 U
2,4,6-Trichlorophenol	NS	NS	0.15 U	0.34 UJ	0.15 U	0.16 U	0.17 U	0.24 U
2,4-Dichlorophenol	NS	NS	0.15 U	0.34 UJ	0.15 U	0.16 U	0.17 U	0.24 U
2,4-Dimethylphenol	NS	NS	0.38 U	0.85 UJ	0.37 U	0.39 U	0.42 U	0.59 U
2,4-Dinitrophenol	NS	NS	0.31 U	0.68 UJ	0.3 U	0.32 U	0.34 U	0.48 U
2,4-Dinitrotoluene	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U	0.12 U
2,6-Dinitrotoluene	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U	0.12 U
2-Chloronaphthalene	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
2-Chlorophenol	NS	NS	0.38 U	0.85 UJ	0.37 U	0.39 U	0.42 U	0.59 U
2-Methylnaphthalene	NS	NS	0.12 J	0.85 U	0.041 J	0.058 J	0.079 J	0.59 U
2-Methylphenol (O-Cresol)	0.33	100	0.38 U	0.85 UJ	0.37 U	0.39 U	0.42 U	0.59 U
2-Nitroaniline	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
2-Nitrophenol	NS	NS	0.38 U	0.85 UJ	0.37 U	0.39 U	0.42 U	0.59 U
3- And 4- Methylphenol (Total)	NS	NS	0.033 J	1.8 J-	0.37 U	0.027 J	0.62	0.4 J
3,3'-Dichlorobenzidine	NS	NS	0.15 U	0.34 UJ	0.15 U	0.16 U	0.17 U	0.24 U
3-Nitroaniline	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.31 U	0.68 UJ	0.3 U	0.32 U	0.34 U	0.48 U
4-Bromophenyl Phenyl Ether	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
4-Chloro-3-Methylphenol	NS	NS	0.38 U	0.85 UJ	0.37 U	0.39 U	0.42 U	0.59 U
4-Chloroaniline	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.033 J	**1.8 J-**	0.37 U	0.027 J	**0.62**	**0.4 J**
4-Nitroaniline	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
4-Nitrophenol	NS	NS	0.77 U	1.7 UJ	0.76 U	0.79 U	0.85 U	1.2 U
Acenaphthene	20	100	0.13 J	0.85 U	0.045 J	0.023 J	0.065 J	0.59 U
Acenaphthylene	100	100	0.052 J	0.85 U	0.042 J	0.052 J	0.038 J	0.59 U
Acetophenone	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
Anthracene	100	100	0.29 J	0.85 U	0.15 J	0.078 J	0.13 J	0.59 U
Atrazine	NS	NS	0.15 U	0.34 U	0.15 U	0.16 U	0.17 U	0.24 U
Benzaldehyde	NS	NS	0.38 UJ	0.85 UJ	0.37 UJ	0.39 UJ	0.42 UJ	0.59 UJ
Benzo(a)Anthracene	**1**	1	0.95	0.085 UJ	0.74	0.36	**1.5**	0.059 U
Benzo(a)Pyrene	**1**	1	0.6	0.085 UJ	0.64	0.42	**1.7**	0.059 U
Benzo(b)Fluoranthene	**1**	1	1	0.085 UJ	0.81	0.47	1	0.059 U
Benzo(g,h,i)Perylene	100	100	0.25 J	0.087 J-	0.43	0.62	1.1	0.59 U
Benzo(k)Fluoranthene	**0.8**	3.9	0.39	0.085 UJ	0.3	0.14	0.24	0.059 U
Benzyl Butyl Phthalate	NS	NS	0.38 U	0.85 UJ	0.37 U	0.39 U	0.42 U	0.59 U
Biphenyl (Diphenyl)	NS	NS	0.029 J	0.85 U	0.015 J	0.019 J	0.42 U	0.59 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.038 U	0.085 U	0.037 U	0.039 U	0.042 U	0.059 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.17 J	0.85 UJ	0.37 U	0.39 U	0.42 U	0.59 U
Caprolactam	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
Carbazole	NS	NS	0.092 J	0.85 U	0.051 J	0.032 J	0.42 U	0.59 U
Chrysene	**1**	3.9	0.9	0.85 UJ	0.95	0.41	**1.7**	0.59 U
Dibenz(a,h)Anthracene	**0.33**	0.33	0.085	0.085 UJ	0.096	0.15	**0.35**	0.059 U
Dibenzofuran	7	59	0.11 J	0.85 U	0.035 J	0.051 J	0.42 U	0.59 U
Diethyl Phthalate	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
Dimethyl Phthalate	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
Di-N-Butyl Phthalate	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
Di-N-Octylphthalate	NS	NS	0.38 U	0.85 UJ	0.37 U	0.39 U	0.42 U	0.59 U
Fluoranthene	**100**	100	2.8	0.85 U	1.3	0.42	0.42	0.59 U
Fluorene	30	100	0.3 J	0.85 U	0.044 J	0.024 J	0.42 U	0.59 U
Hexachlorobenzene	0.33	1.2	0.038 U	0.085 U	0.037 U	0.039 U	0.042 U	0.059 U
Hexachlorobutadiene	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U	0.12 U
Hexachlorocyclopentadiene	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.42 U	0.59 U
Hexachloroethane	NS	NS	0.038 U	0.085 U	0.037 U	0.039 U	0.042 U	0.059 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.45	0.085 UJ	0.5	0.34	**0.6**	0.059 U
Isophorone	NS	NS	0.15 U	0.34 U	0.15 U	0.16 U	0.17 U	0.24 U
Naphthalene	12	100	0.091 J	0.022 J	0.35 J	0.14 J	0.11 J	0.59 U
Nitrobenzene	NS	NS	0.038 U	0.085 U	0.037 U	0.039 U	0.042 U	0.059 U
N-Nitrosodi-N-Propylamine	NS	NS	0.038 U	0.085 U	0.037 U	0.039 U	0.042 U	0.059 U
N-Nitrosodiphenylamine	NS	NS	0.38 U	0.85 U	0.37 U	0.39 U	0.2 J	0.59 U
Pentachlorophenol	0.8	6.7	0.31 U	0.68 UJ	0.3 U	0.32 U	0.34 U	0.48 U
Phenanthrene	**100**	100	2.6	0.028 J	0.97	0.35 J	0.16 J	0.59 U
Phenol	0.33	100	0.38 U	0.85 UJ	0.37 U	0.39 U	0.42 U	0.59 U
Pyrene	**100**	100	2.3	0.85 UJ	1.5	0.42	1.5	0.59 U

Table 2B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	RI-SB-13_0-.2_20220614	RI-SB-13_0-2_20220614	RI-SB-13_8-10_20220614	RI-SB-13_10-12_20220614	RI-SB-14_0-2_20220613	RI-SB-14_6-8_20220613
		Laboratory Sample ID	460-260103-1	460-260103-2	460-260103-3	460-260103-4	460-260026-4	460-260026-5
		Date Sampled	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/13/2022	6/13/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.037 U	0.034 U	0.038 U	0.048 U	0.037 U	0.04 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
2,4,5-Trichlorophenol	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
2,4,6-Trichlorophenol	NS	NS	0.15 U	0.14 U	0.15 U	0.19 U	0.15 U	0.16 U
2,4-Dichlorophenol	NS	NS	0.15 U	0.14 U	0.15 U	0.19 U	0.15 U	0.16 U
2,4-Dimethylphenol	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
2,4-Dinitrophenol	NS	NS	0.29 U	0.27 U	0.31 U	0.38 U	0.29 U	0.32 U
2,4-Dinitrotoluene	NS	NS	0.074 U	0.069 U	0.077 U	0.096 U	0.074 U	0.081 U
2,6-Dinitrotoluene	NS	NS	0.074 U	0.069 U	0.077 U	0.096 U	0.074 U	0.081 U
2-Chloronaphthalene	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.082 J	0.4 U
2-Chlorophenol	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
2-Methylnaphthalene	NS	NS	0.16 J	0.34 U	0.032 J	0.48 U	0.033 J	0.095 J
2-Methylphenol (O-Cresol)	0.33	100	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
2-Nitroaniline	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
2-Nitrophenol	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
3- And 4- Methylphenol (Total)	NS	NS	0.37 U	0.34 U	0.38 U	0.43 J	0.03 J	0.027 J
3,3'-Dichlorobenzidine	NS	NS	0.15 U	0.14 U	0.15 U	0.19 U	0.15 U	0.16 U
3-Nitroaniline	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.29 U	0.27 U	0.31 U	0.38 U	0.29 U	0.32 U
4-Bromophenyl Phenyl Ether	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
4-Chloro-3-Methylphenol	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
4-Chloroaniline	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.37 U	0.34 U	0.38 U	**0.43 J**	0.03 J	0.027 J
4-Nitroaniline	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
4-Nitrophenol	NS	NS	0.74 U	0.69 U	0.77 U	0.96 U	0.74 U	0.81 U
Acenaphthene	20	100	0.32 J	0.34 U	0.095 J	0.48 U	0.37 U	0.084 J
Acenaphthylene	100	100	0.1 J	0.34 U	0.019 J	0.48 U	0.17 J	0.051 J
Acetophenone	NS	NS	0.37 U	0.34 U	0.043 J	0.48 U	0.37 U	0.4 U
Anthracene	100	100	1.2	0.019 J	0.12 J	0.48 U	0.013 J	0.21 J
Atrazine	NS	NS	0.15 U	0.14 U	0.15 U	0.19 U	0.15 U	0.16 U
Benzaldehyde	NS	NS	0.37 UJ	0.34 UJ	0.38 UJ	0.48 UJ	0.37 UJ	0.4 UJ
Benzo(a)Anthracene	**1**	1	**2.5**	0.091	0.23	0.029 J	0.037 UJ	0.33 J
Benzo(a)Pyrene	**1**	1	**2.3**	0.1	0.16	0.015 J	0.037 UJ	0.26 J
Benzo(b)Fluoranthene	**1**	1	**2.9**	0.14	0.19	0.016 J	0.037 UJ	0.38 J
Benzo(g,h,i)Perylene	100	100	1.3	0.071 J	0.093 J	0.48 U	0.37 U	0.23 J
Benzo(k)Fluoranthene	**0.8**	3.9	**0.93**	0.053	0.073	0.048 U	0.037 UJ	0.12 J
Benzyl Butyl Phthalate	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
Biphenyl (Diphenyl)	NS	NS	0.043 J	0.34 U	0.38 U	0.48 U	0.026 J	0.035 J
Bis(2-Chloroethoxy) Methane	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.037 U	0.034 U	0.038 U	0.048 U	0.037 U	0.04 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.046 J	0.12 J	0.38 U	0.48 U	0.37 U	0.078 J
Caprolactam	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
Carbazole	NS	NS	0.18 J	0.34 U	0.38 U	0.48 U	0.37 U	0.045 J
Chrysene	**1**	3.9	**2.5**	0.098 J	0.3 J	0.017 J	0.37 U	0.41
Dibenz(a,h)Anthracene	**0.33**	0.33	**0.38**	0.016 J	0.038 U	0.048 U	0.037 UJ	0.072 J
Dibenzofuran	7	59	0.25 J	0.34 U	0.38 U	0.48 U	0.37 U	0.074 J
Diethyl Phthalate	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
Dimethyl Phthalate	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
Di-N-Butyl Phthalate	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
Di-N-Octylphthalate	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
Fluoranthene	**100**	100	5.5	0.15 J	0.39	0.038 J	0.035 J	0.69
Fluorene	30	100	0.34 J	0.34 U	0.055 J	0.48 U	0.019 J	0.18 J
Hexachlorobenzene	0.33	1.2	0.037 U	0.034 U	0.038 U	0.048 U	0.037 U	0.04 U
Hexachlorobutadiene	NS	NS	0.074 U	0.069 U	0.077 U	0.096 U	0.074 U	0.081 U
Hexachlorocyclopentadiene	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
Hexachloroethane	NS	NS	0.037 U	0.034 U	0.038 U	0.048 U	0.037 U	0.04 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	**1.5**	0.079	0.076	0.048 U	0.037 UJ	0.22 J
Isophorone	NS	NS	0.15 U	0.14 U	0.15 U	0.19 U	0.15 U	0.16 U
Naphthalene	12	100	0.073 J	0.0059 J	0.057 J	0.48 U	0.32 J	0.18 J
Nitrobenzene	NS	NS	0.037 U	0.034 U	0.038 U	0.048 U	0.037 U	0.04 U
N-Nitrosodi-N-Propylamine	NS	NS	0.037 U	0.034 U	0.038 U	0.048 U	0.037 U	0.04 U
N-Nitrosodiphenylamine	NS	NS	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
Pentachlorophenol	0.8	6.7	0.29 U	0.27 U	0.31 U	0.38 U	0.29 U	0.32 U
Phenanthrene	**100**	100	4.4	0.091 J	0.22 J	0.027 J	0.073 J	0.7
Phenol	0.33	100	0.37 U	0.34 U	0.38 U	0.48 U	0.37 U	0.4 U
Pyrene	**100**	100	5.1	0.15 J	0.63	0.045 J	0.039 J	0.97

Table 2B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	RI-SB-14_12-14_20220613	RI-SB-15_0-2_20220613	RI-SB-15_3-5_20220613	RI-SB-15_7-9_20220613	RI-SB-16_0-2_20220614	RI-SB-16_8-10_20220614
		Laboratory Sample ID	460-260026-6	460-260026-1	460-260026-2	460-260026-3	460-260103-8	460-260103-9
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/14/2022	6/14/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.05 U	0.038 U	0.038 U	0.04 U	0.035 U	0.035 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
2,4,5-Trichlorophenol	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
2,4,6-Trichlorophenol	NS	NS	0.2 U	0.15 U	0.15 U	0.16 U	0.14 U	0.14 U
2,4-Dichlorophenol	NS	NS	0.2 U	0.15 U	0.15 U	0.16 U	0.14 U	0.14 U
2,4-Dimethylphenol	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
2,4-Dinitrophenol	NS	NS	0.4 U	0.3 U	0.3 U	0.32 U	0.29 U	0.28 U
2,4-Dinitrotoluene	NS	NS	0.1 U	0.076 U	0.077 U	0.082 U	0.072 U	0.071 U
2,6-Dinitrotoluene	NS	NS	0.1 U	0.076 U	0.077 U	0.082 U	0.072 U	0.071 U
2-Chloronaphthalene	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
2-Chlorophenol	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
2-Methylnaphthalene	NS	NS	0.5 U	0.088 J	0.19 J	0.4 U	0.35 U	0.35 U
2-Methylphenol (O-Cresol)	0.33	100	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
2-Nitroaniline	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
2-Nitrophenol	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
3- And 4- Methylphenol (Total)	NS	NS	0.42 J	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
3,3'-Dichlorobenzidine	NS	NS	0.2 U	0.15 U	0.15 U	0.16 U	0.14 U	0.14 U
3-Nitroaniline	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.4 U	0.3 U	0.3 U	0.32 U	0.29 U	0.28 U
4-Bromophenyl Phenyl Ether	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
4-Chloro-3-Methylphenol	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
4-Chloroaniline	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
4-Methylphenol (P-Cresol)	**0.33**	100	**0.42 J**	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
4-Nitroaniline	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
4-Nitrophenol	NS	NS	1 U	0.76 U	0.77 U	0.82 U	0.72 U	0.71 U
Acenaphthene	20	100	0.5 U	0.28 J	0.54	0.4 U	0.35 U	0.35 U
Acenaphthylene	100	100	0.5 U	0.016 J	0.019 J	0.4 U	0.014 J	0.35 U
Acetophenone	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
Anthracene	100	100	0.5 U	0.71	1	0.4 U	0.014 J	0.35 U
Atrazine	NS	NS	0.2 U	0.15 U	0.15 U	0.16 U	0.14 U	0.14 U
Benzaldehyde	NS	NS	0.5 UJ	0.38 UJ	0.38 UJ	0.4 UJ	0.35 UJ	0.35 UJ
Benzo(a)Anthracene	**1**	1	0.05 UJ	**1.1 J**	**1.5 J**	0.04 UJ	0.41	0.035 U
Benzo(a)Pyrene	**1**	1	0.05 UJ	0.9 J	**1.2 J**	0.04 UJ	0.47	0.035 U
Benzo(b)Fluoranthene	**1**	1	0.05 UJ	**1.3 J**	**1.8 J**	0.04 UJ	0.66	0.035 U
Benzo(g,h,i)Perylene	100	100	0.5 U	0.54	0.73	0.4 U	0.38	0.011 J
Benzo(k)Fluoranthene	**0.8**	3.9	0.05 UJ	0.48 J	0.68 J	0.04 UJ	0.21	0.035 U
Benzyl Butyl Phthalate	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
Biphenyl (Diphenyl)	NS	NS	0.5 U	0.035 J	0.066 J	0.4 U	0.35 U	0.35 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.05 U	0.038 U	0.038 U	0.04 U	0.035 U	0.035 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.5 U	0.074 J	0.036 J	0.4 U	0.026 J	0.35 U
Caprolactam	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
Carbazole	NS	NS	0.5 U	0.27 J	0.46	0.4 U	0.35 U	0.35 U
Chrysene	**1**	3.9	0.5 U	**1.2**	**1.5**	0.4 U	0.48	0.35 U
Dibenz(a,h)Anthracene	**0.33**	0.33	0.05 UJ	0.18 J	0.2 J	0.04 UJ	0.12	0.035 U
Dibenzofuran	7	59	0.5 U	0.26 J	0.49	0.4 U	0.35 U	0.35 U
Diethyl Phthalate	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
Dimethyl Phthalate	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
Di-N-Butyl Phthalate	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
Di-N-Octylphthalate	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
Fluoranthene	**100**	100	0.5 U	2.6	3.5	0.4 U	0.36	0.35 U
Fluorene	30	100	0.5 U	0.34 J	0.57	0.4 U	0.35 U	0.35 U
Hexachlorobenzene	0.33	1.2	0.05 U	0.038 U	0.038 U	0.04 U	0.035 U	0.035 U
Hexachlorobutadiene	NS	NS	0.1 U	0.076 U	0.077 U	0.082 U	0.072 U	0.071 U
Hexachlorocyclopentadiene	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
Hexachloroethane	NS	NS	0.05 U	0.038 U	0.038 U	0.04 U	0.035 U	0.035 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.05 UJ	**0.66 J**	**0.86 J**	0.04 UJ	0.39	0.035 U
Isophorone	NS	NS	0.2 U	0.15 U	0.15 U	0.16 U	0.14 U	0.14 U
Naphthalene	12	100	0.5 U	0.14 J	0.34 J	0.4 U	0.0069 J	0.35 U
Nitrobenzene	NS	NS	0.05 U	0.038 U	0.038 U	0.04 U	0.035 U	0.035 U
N-Nitrosodi-N-Propylamine	NS	NS	0.05 U	0.038 U	0.038 U	0.04 U	0.035 U	0.035 U
N-Nitrosodiphenylamine	NS	NS	0.5 U	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
Pentachlorophenol	0.8	6.7	0.4 U	0.3 U	0.3 U	0.32 U	0.29 U	0.28 U
Phenanthrene	**100**	100	0.016 J	3.2	4.5	0.4 U	0.083 J	0.35 U
Phenol	0.33	100	0.059 J	0.38 U	0.38 U	0.4 U	0.35 U	0.35 U
Pyrene	**100**	100	0.5 U	2.5	3.2	0.4 U	0.41	0.35 U

Table 2B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	RI-SB-16_10-12_20220614	RI-SB-X01_20220614	RI-SB-17_0-2_20220614	RI-SB-17_12-14_20220614	RI-SB-17_15-17_20220614	RI-SB-25_8-10_20220728
		Laboratory Sample ID	460-260103-10	460-260103-11	460-260103-5	460-260103-6	460-260103-7	460-262776-1
		Date Sampled	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	7/28/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.041 U	0.045 U	0.034 U	0.045 U	0.04 U	0.04 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
2,4,5-Trichlorophenol	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
2,4,6-Trichlorophenol	NS	NS	0.17 U	0.18 U	0.14 U	0.18 U	0.16 U	0.16 U
2,4-Dichlorophenol	NS	NS	0.17 U	0.18 U	0.14 U	0.18 U	0.16 U	0.16 U
2,4-Dimethylphenol	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
2,4-Dinitrophenol	NS	NS	0.33 U	0.36 U	0.27 U	0.36 U	0.32 U	0.32 U
2,4-Dinitrotoluene	NS	NS	0.084 U	0.091 U	0.069 U	0.091 U	0.082 U	0.081 U
2,6-Dinitrotoluene	NS	NS	0.084 U	0.091 U	0.069 U	0.091 U	0.082 U	0.081 U
2-Chloronaphthalene	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
2-Chlorophenol	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
2-Methylnaphthalene	NS	NS	0.41 U	0.45 U	0.038 J	0.45 U	0.13 J	0.4 U
2-Methylphenol (O-Cresol)	0.33	100	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
2-Nitroaniline	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
2-Nitrophenol	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
3- And 4- Methylphenol (Total)	NS	NS	0.043 J	0.45 U	0.34 U	0.043 J	0.063 J	0.083 J
3,3'-Dichlorobenzidine	NS	NS	0.17 U	0.18 U	0.14 U	0.18 U	0.16 U	0.16 U
3-Nitroaniline	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.33 U	0.36 U	0.27 U	0.36 U	0.32 U	0.32 U
4-Bromophenyl Phenyl Ether	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
4-Chloro-3-Methylphenol	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
4-Chloroaniline	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.043 J	0.45 U	0.34 U	0.043 J	0.063 J	0.083 J
4-Nitroaniline	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
4-Nitrophenol	NS	NS	0.84 U	0.91 U	0.69 U	0.91 U	0.82 U	0.065 J
Acenaphthene	20	100	0.41 U	0.45 U	0.11 J	0.45 U	0.99	0.013 J
Acenaphthylene	100	100	0.41 U	0.45 U	0.046 J	0.45 U	0.074 J	0.4 U
Acetophenone	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
Anthracene	100	100	0.41 U	0.45 U	0.22 J	0.45 U	0.41	0.4 U
Atrazine	NS	NS	0.17 U	0.18 U	0.14 U	0.18 U	0.16 U	0.16 U
Benzaldehyde	NS	NS	0.41 UJ	0.45 UJ	0.34 UJ	0.45 UJ	0.4 UJ	0.4 UJ
Benzo(a)Anthracene	**1**	1	0.041 U	0.045 U	0.74	0.045 U	0.68	0.024 J
Benzo(a)Pyrene	**1**	1	0.041 U	0.045 U	0.64	0.045 U	0.43	0.013 J
Benzo(b)Fluoranthene	**1**	1	0.041 U	0.045 U	0.78	0.045 U	0.53	0.019 J
Benzo(g,h,i)Perylene	100	100	0.41 U	0.45 U	0.39	0.45 U	0.32 J	0.013 J
Benzo(k)Fluoranthene	**0.8**	3.9	0.041 U	0.045 U	0.21	0.045 U	0.17	0.0095 J
Benzyl Butyl Phthalate	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
Biphenyl (Diphenyl)	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.041 U	0.045 U	0.034 U	0.045 U	0.04 U	0.04 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.41 U	0.45 U	0.057 J	0.45 U	0.26 J	0.4 U
Caprolactam	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
Carbazole	NS	NS	0.41 U	0.45 U	0.071 J	0.45 U	0.4 U	0.4 U
Chrysene	**1**	3.9	0.41 U	0.45 U	0.75	0.45 U	0.9	0.017 J
Dibenz(a,h)Anthracene	**0.33**	0.33	0.041 U	0.045 U	0.092	0.045 U	0.12	0.04 U
Dibenzofuran	7	59	0.41 U	0.45 U	0.046 J	0.45 U	0.4 U	0.4 U
Diethyl Phthalate	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
Dimethyl Phthalate	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
Di-N-Butyl Phthalate	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
Di-N-Octylphthalate	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
Fluoranthene	**100**	100	0.41 U	0.45 U	1.4	0.45 U	1.1	0.036 J
Fluorene	30	100	0.41 U	0.45 U	0.078 J	0.45 U	0.34 J	0.4 U
Hexachlorobenzene	0.33	1.2	0.041 U	0.045 U	0.034 U	0.045 U	0.04 U	0.04 U
Hexachlorobutadiene	NS	NS	0.084 U	0.091 U	0.069 U	0.091 U	0.082 U	0.081 U
Hexachlorocyclopentadiene	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
Hexachloroethane	NS	NS	0.041 U	0.045 U	0.034 U	0.045 U	0.04 U	0.04 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.041 U	0.045 U	0.39	0.045 U	0.27	0.04 U
Isophorone	NS	NS	0.17 U	0.18 U	0.14 U	0.18 U	0.16 U	0.16 U
Naphthalene	12	100	0.41 U	0.45 U	0.047 J	0.45 U	0.14 J	0.4 U
Nitrobenzene	NS	NS	0.041 U	0.045 U	0.034 U	0.045 U	0.04 U	0.04 U
N-Nitrosodi-N-Propylamine	NS	NS	0.041 U	0.045 U	0.034 U	0.045 U	0.04 U	0.04 U
N-Nitrosodiphenylamine	NS	NS	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.4 U
Pentachlorophenol	0.8	6.7	0.33 U	0.36 U	0.27 U	0.36 U	0.32 U	0.32 U
Phenanthrene	**100**	100	0.41 U	0.45 U	1.2	0.45 U	1.8	0.034 J
Phenol	0.33	100	0.41 U	0.45 U	0.34 U	0.45 U	0.4 U	0.02 J
Pyrene	**100**	100	0.41 U	0.45 U	1.7	0.45 U	1.6	0.039 J

Table 2B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	RI-SB-X01_20220728	RI-SB-25_15-17_20220728	RI-SB-26_10-12_20220729	RI-SB-26_14-16_20220729	RI-SB-27_10-12_20220729	RI-SB-27_13-15_20220729
		Laboratory Sample ID	460-262776-3	460-262776-2	460-262866-5	460-262866-6	460-262866-3	460-262866-4
		Date Sampled	7/28/2022	7/28/2022	7/29/2022	7/29/2022	7/29/2022	7/29/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.041 U	0.041 U	0.036 U	0.053 U	0.04 U	0.038 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
2,4,5-Trichlorophenol	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
2,4,6-Trichlorophenol	NS	NS	0.17 U	0.16 U	0.15 U	0.21 U	0.16 U	0.15 U
2,4-Dichlorophenol	NS	NS	0.17 U	0.16 U	0.15 U	0.21 U	0.16 U	0.15 U
2,4-Dimethylphenol	NS	NS	0.41 U	0.41 UJ	0.36 U	0.53 U	0.4 U	0.38 U
2,4-Dinitrophenol	NS	NS	0.33 U	0.33 U	0.29 U	0.43 U	0.32 U	0.31 U
2,4-Dinitrotoluene	NS	NS	0.083 U	0.082 U	0.073 U	0.11 U	0.081 U	0.077 U
2,6-Dinitrotoluene	NS	NS	0.083 U	0.082 U	0.073 U	0.11 U	0.081 U	0.077 U
2-Chloronaphthalene	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
2-Chlorophenol	NS	NS	0.41 U	0.41 UJ	0.36 U	0.53 U	0.4 U	0.38 U
2-Methylnaphthalene	NS	NS	0.41 U	0.41 UJ	0.012 J	0.53 U	0.036 J	0.38 U
2-Methylphenol (O-Cresol)	0.33	100	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
2-Nitroaniline	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
2-Nitrophenol	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
3- And 4- Methylphenol (Total)	NS	NS	0.045 J	0.41 U	0.36 U	0.28 J	0.037 J	0.14 J
3,3'-Dichlorobenzidine	NS	NS	0.17 U	0.16 U	0.15 U	0.21 U	0.16 U	0.15 U
3-Nitroaniline	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.33 U	0.33 U	0.29 U	0.43 U	0.32 U	0.31 U
4-Bromophenyl Phenyl Ether	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
4-Chloro-3-Methylphenol	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
4-Chloroaniline	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.045 J	0.41 U	0.36 U	0.28 J	0.037 J	0.14 J
4-Nitroaniline	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
4-Nitrophenol	NS	NS	0.83 U	0.82 U	0.73 U	1.1 U	0.81 U	0.77 U
Acenaphthene	20	100	0.41 U	0.41 U	0.026 J	0.53 U	0.051 J	0.025 J
Acenaphthylene	100	100	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Acetophenone	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Anthracene	100	100	0.41 U	0.41 U	0.026 J	0.53 U	0.048 J	0.38 U
Atrazine	NS	NS	0.17 U	0.16 U	0.15 U	0.21 U	0.16 U	0.15 U
Benzaldehyde	NS	NS	0.41 UJ	0.41 UJ	0.36 UJ	0.53 UJ	0.4 UJ	0.38 UJ
Benzo(a)Anthracene	**1**	1	0.041 U	0.041 U	0.12	0.053 U	0.53	0.061
Benzo(a)Pyrene	**1**	1	0.041 U	0.041 UJ	0.1	0.053 U	0.68	0.073
Benzo(b)Fluoranthene	**1**	1	0.041 U	0.041 U	0.13	0.053 U	0.59	0.062
Benzo(g,h,i)Perylene	100	100	0.41 U	0.41 U	0.074 J	0.53 U	0.51	0.054 J
Benzo(k)Fluoranthene	**0.8**	3.9	0.041 U	0.041 U	0.048	0.053 U	0.11	0.013 J
Benzyl Butyl Phthalate	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Biphenyl (Diphenyl)	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.041 U	0.041 U	0.036 U	0.053 U	0.04 U	0.038 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Caprolactam	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Carbazole	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Chrysene	**1**	3.9	0.41 U	0.41 U	0.16 J	0.53 U	0.58	0.063 J
Dibenz(a,h)Anthracene	**0.33**	0.33	0.041 U	0.041 U	0.023 J	0.053 U	0.27	0.035 J
Dibenzofuran	7	59	0.41 U	0.41 U	0.36 U	0.53 U	0.014 J	0.38 U
Diethyl Phthalate	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Dimethyl Phthalate	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Di-N-Butyl Phthalate	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Di-N-Octylphthalate	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Fluoranthene	**100**	100	0.41 U	0.41 U	0.14 J	0.53 U	0.21 J	0.019 J
Fluorene	30	100	0.41 U	0.41 U	0.36 U	0.53 U	0.041 J	0.011 J
Hexachlorobenzene	0.33	1.2	0.041 U	0.041 U	0.036 U	0.053 U	0.04 U	0.038 U
Hexachlorobutadiene	NS	NS	0.083 U	0.082 U	0.073 U	0.11 U	0.081 U	0.077 U
Hexachlorocyclopentadiene	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Hexachloroethane	NS	NS	0.041 U	0.041 U	0.036 U	0.053 U	0.04 U	0.038 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.041 U	0.041 U	0.07	0.053 U	0.29	0.029 J
Isophorone	NS	NS	0.17 U	0.16 U	0.15 U	0.21 U	0.16 U	0.15 U
Naphthalene	12	100	0.41 U	0.41 U	0.012 J	0.53 U	0.036 J	0.013 J
Nitrobenzene	NS	NS	0.041 U	0.041 U	0.036 U	0.053 U	0.04 U	0.038 U
N-Nitrosodi-N-Propylamine	NS	NS	0.041 U	0.041 U	0.036 U	0.053 U	0.04 U	0.038 U
N-Nitrosodiphenylamine	NS	NS	0.41 U	0.41 U	0.36 U	0.53 U	0.4 U	0.38 U
Pentachlorophenol	0.8	6.7	0.33 U	0.33 U	0.29 U	0.43 U	0.32 U	0.31 U
Phenanthrene	**100**	100	0.41 U	0.41 U	0.041 J	0.53 U	0.14 J	0.021 J
Phenol	0.33	100	0.41 U	0.41 UJ	0.36 U	0.53 U	0.4 U	0.38 U
Pyrene	**100**	100	0.41 U	0.41 U	0.33 J	0.53 U	0.38 J	0.038 J

Table 2B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	RI-SB-28_9-11_20220729	RI-SB-28_17-19_20220729	RI-SB-29_0-2_20220727	RI-SB-X01_20220727	RI-SB-29_5-7_20220727	RI-SB-29_15-17_20220727
		Laboratory Sample ID	460-262866-1	460-262866-2	460-262680-5	460-262680-6	460-262680-7	460-262680-8
		Date Sampled	7/29/2022	7/29/2022	7/27/2022	7/27/2022	7/27/2022	7/27/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.042 U	0.044 U	0.036 U	0.036 U	0.04 U	0.036 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.42 U	0.44 U	0.36 R	0.36 R	0.4 U	0.36 U
2,4,5-Trichlorophenol	NS	NS	0.42 U	0.44 U	0.36 R	0.36 R	0.4 U	0.36 U
2,4,6-Trichlorophenol	NS	NS	0.17 U	0.18 U	0.15 R	0.15 R	0.16 U	0.14 U
2,4-Dichlorophenol	NS	NS	0.17 U	0.18 U	0.15 R	0.15 R	0.16 U	0.14 U
2,4-Dimethylphenol	NS	NS	0.42 U	0.44 U	0.36 R	0.36 R	0.4 U	0.36 U
2,4-Dinitrophenol	NS	NS	0.34 U	0.35 U	0.29 R	0.29 R	0.33 U	0.29 R
2,4-Dinitrotoluene	NS	NS	0.085 U	0.089 U	0.074 U	0.074 U	0.082 U	0.073 U
2,6-Dinitrotoluene	NS	NS	0.085 U	0.089 U	0.074 U	0.074 U	0.082 U	0.073 U
2-Chloronaphthalene	NS	NS	0.02 J	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
2-Chlorophenol	NS	NS	0.42 U	0.44 U	0.36 R	0.36 R	0.4 U	0.36 U
2-Methylnaphthalene	NS	NS	0.026 J	0.44 U	0.34 J	0.17 J	0.4 U	0.36 R
2-Methylphenol (O-Cresol)	0.33	100	0.42 U	0.44 U	0.36 R	0.36 R	0.4 U	0.36 U
2-Nitroaniline	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
2-Nitrophenol	NS	NS	0.42 U	0.44 U	0.36 R	0.36 R	0.4 U	0.36 U
3- And 4- Methylphenol (Total)	NS	NS	0.42 U	0.44 U	0.36 R	0.36 R	0.4 U	0.36 U
3,3'-Dichlorobenzidine	NS	NS	0.17 U	0.18 U	0.15 U	0.15 U	0.16 U	0.14 U
3-Nitroaniline	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.34 U	0.35 U	0.29 R	0.29 R	0.33 U	0.29 R
4-Bromophenyl Phenyl Ether	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
4-Chloro-3-Methylphenol	NS	NS	0.42 U	0.44 U	0.36 R	0.36 R	0.4 U	0.36 U
4-Chloroaniline	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.42 U	0.44 U	0.36 R	0.36 R	0.4 U	0.36 U
4-Nitroaniline	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
4-Nitrophenol	NS	NS	0.85 U	0.095 J	0.74 R	0.74 R	0.82 U	0.73 U
Acenaphthene	20	100	0.42 U	0.44 U	0.14 J	0.086 J	0.012 J	0.36 U
Acenaphthylene	100	100	0.031 J	0.44 U	0.075 J	0.042 J	0.4 U	0.36 U
Acetophenone	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
Anthracene	100	100	0.013 J	0.44 U	0.16 J	0.14 J	0.013 J	0.36 U
Atrazine	NS	NS	0.17 U	0.18 U	0.15 U	0.15 U	0.16 U	0.14 U
Benzaldehyde	NS	NS	0.42 UJ	0.44 U	0.36 UJ	0.36 UJ	0.4 UJ	0.36 UJ
Benzo(a)Anthracene	**1**	1	0.039 J	0.044 U	**1.8 J**	**1.2 J**	0.048 J	0.016 J
Benzo(a)Pyrene	**1**	1	0.022 J	0.044 U	0.56	0.46	0.036 J	0.036 U
Benzo(b)Fluoranthene	**1**	1	0.052	0.044 U	**1.9 J**	**1.3 J**	0.043 J	0.036 UJ
Benzo(g,h,i)Perylene	100	100	0.016 J	0.44 U	0.57	0.47	0.02 J	0.36 UJ
Benzo(k)Fluoranthene	**0.8**	3.9	0.019 J	0.044 U	0.66 J	0.47 J	0.023 J	0.036 UJ
Benzyl Butyl Phthalate	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
Biphenyl (Diphenyl)	NS	NS	0.015 J	0.44 U	0.077 J	0.04 J	0.4 U	0.36 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.042 U	0.044 U	0.036 U	0.036 U	0.04 U	0.036 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
Caprolactam	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
Carbazole	NS	NS	0.42 U	0.44 U	0.2 J	0.15 J	0.4 U	0.36 U
Chrysene	**1**	3.9	0.079 J	0.44 U	**1.8 J**	**1.3 J**	0.053 J	0.0088 J
Dibenz(a,h)Anthracene	**0.33**	0.33	0.042 U	0.044 U	0.22 J	0.16 J	0.04 UJ	0.036 UJ
Dibenzofuran	7	59	0.42 U	0.44 U	0.54	0.31 J	0.4 U	0.36 U
Diethyl Phthalate	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
Dimethyl Phthalate	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
Di-N-Butyl Phthalate	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
Di-N-Octylphthalate	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
Fluoranthene	**100**	100	0.092 J	0.44 U	4.9 J	3.2 J	0.071 J	0.36 UJ
Fluorene	30	100	0.42 U	0.44 U	0.36 U	0.011 J	0.4 U	0.36 U
Hexachlorobenzene	0.33	1.2	0.042 U	0.044 U	0.036 U	0.036 U	0.04 U	0.036 U
Hexachlorobutadiene	NS	NS	0.085 U	0.089 U	0.074 U	0.074 U	0.082 U	0.073 UJ
Hexachlorocyclopentadiene	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 UJ
Hexachloroethane	NS	NS	0.042 U	0.044 U	0.036 U	0.036 U	0.04 U	0.036 UJ
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.018 J	0.044 U	**0.73 J**	0.036 UJ	0.064 J	0.036 UJ
Isophorone	NS	NS	0.17 U	0.18 U	0.15 U	0.15 U	0.16 U	0.14 U
Naphthalene	12	100	0.098 J	0.44 U	0.4	0.22 J	0.011 J	0.36 UJ
Nitrobenzene	NS	NS	0.042 U	0.044 U	0.036 U	0.036 U	0.04 U	0.036 U
N-Nitrosodi-N-Propylamine	NS	NS	0.042 U	0.044 U	0.036 U	0.036 U	0.04 U	0.036 U
N-Nitrosodiphenylamine	NS	NS	0.42 U	0.44 U	0.36 U	0.36 U	0.4 U	0.36 U
Pentachlorophenol	0.8	6.7	0.34 U	0.35 U	0.29 R	0.29 R	0.33 U	0.29 U
Phenanthrene	**100**	100	0.11 J	0.0094 J	5.7 J	3.5 J	0.071 J	0.36 UJ
Phenol	0.33	100	0.42 U	0.44 U	0.36 R	0.054 JL	0.4 U	0.36 U
Pyrene	**100**	100	0.068 J	0.012 J	4 J	2.7 J	0.091 J	0.019 J

Table 2B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	RI-SB-30_0-2_20220727	RI-SB-30_7-9_20220727	RI-SB-30_18-20_20220727	RI-SED-01_20220801	RI-SED-01_20220801	RI-SED-02_20220801
		Laboratory Sample ID	460-262680-9	460-262680-10	460-262680-11	460-263026-4	460-263026-4	460-263026-5
		Date Sampled	7/27/2022	7/27/2022	7/27/2022	8/01/2022	8/01/2022	8/01/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	5	1	1	2	5
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.035 U	0.18 UJ	0.039 U	0.058 U	NR	0.3 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
2,4,5-Trichlorophenol	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
2,4,6-Trichlorophenol	NS	NS	0.14 U	0.72 U	0.16 U	0.23 U	NR	1.2 U
2,4-Dichlorophenol	NS	NS	0.14 U	0.72 U	0.16 U	0.23 U	NR	1.2 U
2,4-Dimethylphenol	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
2,4-Dinitrophenol	NS	NS	0.28 U	1.4 U	0.31 U	0.47 U	NR	2.4 U
2,4-Dinitrotoluene	NS	NS	0.07 U	0.36 U	0.078 U	0.12 U	NR	0.6 U
2,6-Dinitrotoluene	NS	NS	0.07 U	0.36 U	0.078 U	0.12 U	NR	0.6 U
2-Chloronaphthalene	NS	NS	0.19 J	1.8 U	0.39 U	0.58 U	NR	3 U
2-Chlorophenol	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
2-Methylnaphthalene	NS	NS	0.066 J	1.8 UJ	0.39 U	0.036 J	NR	3 U
2-Methylphenol (O-Cresol)	0.33	100	0.015 J	1.8 U	0.39 U	0.059 J	NR	3 U
2-Nitroaniline	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
2-Nitrophenol	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
3- And 4- Methylphenol (Total)	NS	NS	0.027 J	0.13 J	0.39 U	0.041 J	NR	3 U
3,3'-Dichlorobenzidine	NS	NS	0.14 U	0.72 U	0.16 U	0.23 U	NR	1.2 U
3-Nitroaniline	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.28 U	1.4 U	0.31 U	0.47 U	NR	2.4 U
4-Bromophenyl Phenyl Ether	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
4-Chloro-3-Methylphenol	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
4-Chloroaniline	NS	NS	0.35 U	1.8 UJ	0.39 U	0.58 U	NR	3 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.027 J	0.13 J	0.39 U	0.041 J	NR	3 U
4-Nitroaniline	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
4-Nitrophenol	NS	NS	0.7 U	3.6 U	0.78 U	1.2 U	NR	6 U
Acenaphthene	20	100	0.35 U	0.076 J	0.39 U	0.092 J	NR	0.12 J
Acenaphthylene	100	100	0.16 J	1.8 U	0.39 U	0.045 J	NR	0.15 J
Acetophenone	NS	NS	0.35 U	1.8 UJ	0.39 U	1.1	NR	1.2 J
Anthracene	100	100	0.032 J	1.8 U	0.39 U	0.17 J	NR	0.31 J
Atrazine	NS	NS	0.14 U	0.72 U	0.16 U	0.23 U	NR	1.2 U
Benzaldehyde	NS	NS	0.35 UJ	1.8 UJ	0.39 UJ	0.32 J	NR	3 UJ
Benzo(a)Anthracene	**1**	1	0.12 J	0.17 J	0.039 UJ	0.62	NR	**1.5**
Benzo(a)Pyrene	**1**	1	0.074	0.17 J	0.039 U	0.64	NR	**1.5**
Benzo(b)Fluoranthene	**1**	1	0.18 J	0.2 J	0.039 UJ	**1.1**	NR	**2.7**
Benzo(g,h,i)Perylene	100	100	0.054 J	0.16 J	0.39 U	0.71	NR	1.9 J
Benzo(k)Fluoranthene	**0.8**	3.9	0.06 J	0.18 UJ	0.039 UJ	0.37	NR	**0.85**
Benzyl Butyl Phthalate	NS	NS	0.35 U	1.8 U	0.39 U	0.17 J	NR	0.17 J
Biphenyl (Diphenyl)	NS	NS	0.036 J	1.8 U	0.39 U	0.58 U	NR	3 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.35 U	1.8 UJ	0.39 U	0.58 U	NR	3 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.035 U	0.18 UJ	0.039 U	0.058 U	NR	0.3 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.35 U	1.8 UJ	0.39 U	0.58 U	NR	3 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.35 U	1.8 U	0.39 U	0.39 J	NR	2.5 J
Caprolactam	NS	NS	0.35 U	1.8 UJ	0.39 U	0.58 U	NR	3 U
Carbazole	NS	NS	0.014 J	1.8 U	0.39 U	0.13 J	NR	0.3 J
Chrysene	**1**	3.9	0.21 J	0.4 J	0.39 UJ	0.75	NR	**1.8 J**
Dibenz(a,h)Anthracene	**0.33**	0.33	0.022 J	0.18 UJ	0.039 UJ	0.15	NR	**0.39**
Dibenzofuran	7	59	0.028 J	1.8 U	0.39 U	0.069 J	NR	3 U
Diethyl Phthalate	NS	NS	0.35 U	1.8 U	0.39 U	0.15 J	NR	3 U
Dimethyl Phthalate	NS	NS	0.35 U	1.8 U	0.39 U	NR	23	3 U
Di-N-Butyl Phthalate	NS	NS	0.35 U	1.8 U	0.39 U	0.77	NR	0.24 J
Di-N-Octylphthalate	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
Fluoranthene	**100**	100	0.46 J	0.46 J	0.39 UJ	1.4	NR	2.9 J
Fluorene	30	100	0.068 J	0.053 J	0.39 U	0.13 J	NR	0.11 J
Hexachlorobenzene	0.33	1.2	0.035 U	0.18 U	0.039 U	0.058 U	NR	0.3 U
Hexachlorobutadiene	NS	NS	0.07 U	0.36 UJ	0.078 U	0.12 U	NR	0.6 U
Hexachlorocyclopentadiene	NS	NS	0.35 U	1.8 UJ	0.39 U	0.58 U	NR	3 U
Hexachloroethane	NS	NS	0.035 U	0.18 UJ	0.039 U	0.058 U	NR	0.3 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.067 J	0.13 J	0.039 UJ	**0.77**	NR	**1.9**
Isophorone	NS	NS	0.14 U	0.72 U	0.16 U	0.23 U	NR	1.2 U
Naphthalene	12	100	0.34 J	1.8 UJ	0.39 U	0.069 J	NR	0.084 J
Nitrobenzene	NS	NS	0.035 U	0.18 UJ	0.039 U	0.058 U	NR	0.3 U
N-Nitrosodi-N-Propylamine	NS	NS	0.035 U	0.18 UJ	0.039 U	0.058 U	NR	0.3 U
N-Nitrosodiphenylamine	NS	NS	0.35 U	1.8 U	0.39 U	0.58 U	NR	3 U
Pentachlorophenol	0.8	6.7	0.28 U	1.4 U	0.31 U	0.47 U	NR	2.4 U
Phenanthrene	**100**	100	0.42 J	0.13 J	0.39 UJ	0.99	NR	1.5 J
Phenol	0.33	100	0.031 J	1.8 U	0.39 U	0.16 J	NR	3 U
Pyrene	**100**	100	0.34 J	0.61 J	0.39 UJ	1.1	NR	2.4 J

Table 2B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	FB-01_20220613	FB-01_20220614	FB-01_20220616	FB-01_20220728
		Laboratory Sample ID	460-260026-16	460-260103-12	460-260250-8	460-262776-5
		Date Sampled	6/13/2022	6/14/2022	6/16/2022	7/28/2022
		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
1,2,4,5-Tetrachlorobenzene	NS	NS	10 U	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.2 U	0.2 U	0.2 U	0.2 U
2,3,4,6-Tetrachlorophenol	NS	NS	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	NS	NS	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	NS	NS	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	NS	NS	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	NS	NS	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	NS	NS	20 U	20 U	20 U	40 U
2,4-Dinitrotoluene	NS	NS	2 U	2 U	2 U	10 U
2,6-Dinitrotoluene	NS	NS	2 U	2 U	2 U	2 U
2-Chloronaphthalene	NS	NS	10 U	10 U	10 U	10 U
2-Chlorophenol	NS	NS	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NS	NS	10 U	10 U	10 U	10 U
2-Methylphenol (O-Cresol)	0.33	100	10 U	10 U	10 U	10 U
2-Nitroaniline	NS	NS	10 U	10 U	10 U	10 U
2-Nitrophenol	NS	NS	10 U	10 U	10 U	10 U
3- And 4- Methylphenol (Total)	NS	NS	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	NS	NS	10 U	10 U	10 U	10 U
3-Nitroaniline	NS	NS	10 U	10 U	10 U	10 U
4,6-Dinitro-2-Methylphenol	NS	NS	20 U	20 U	20 U	20 U
4-Bromophenyl Phenyl Ether	NS	NS	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	NS	NS	10 U	10 U	10 U	10 U
4-Chloroaniline	NS	NS	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	NS	NS	10 U	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	**0.33**	100	10 U	10 U	10 U	10 U
4-Nitroaniline	NS	NS	10 U	10 U	10 U	10 U
4-Nitrophenol	NS	NS	20 U	20 U	20 U	20 U
Acenaphthene	20	100	10 U	10 U	10 U	10 U
Acenaphthylene	100	100	10 U	10 U	10 U	10 U
Acetophenone	NS	NS	10 U	10 U	10 U	10 U
Anthracene	100	100	10 U	10 U	10 U	10 U
Atrazine	NS	NS	2 U	2 U	2 U	2 U
Benzaldehyde	NS	NS	10 UJ	10 UJ	10 UJ	10 UJ
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
Benzyl Butyl Phthalate	NS	NS	10 U	10 U	10 U	10 U
Biphenyl (Diphenyl)	NS	NS	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	NS	NS	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	NS	NS	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	2 U	2 U	2 U	2 U
Caprolactam	NS	NS	10 UJ	10 U	10 U	10 U
Carbazole	NS	NS	10 U	10 U	10 U	10 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
Dibenzofuran	7	59	10 U	10 U	10 U	10 U
Diethyl Phthalate	NS	NS	10 U	10 U	10 U	10 U
Dimethyl Phthalate	NS	NS	10 U	10 U	10 U	10 U
Di-N-Butyl Phthalate	NS	NS	10 U	10 U	10 U	10 U
Di-N-Octylphthalate	NS	NS	10 U	10 U	10 U	10 U
Fluoranthene	**100**	100	10 U	10 U	10 U	10 U
Fluorene	30	100	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.33	1.2	1 U	1 U	1 U	1 U
Hexachlorobutadiene	NS	NS	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	NS	NS	10 U	10 U	10 U	10 U
Hexachloroethane	NS	NS	2 U	2 U	2 U	2 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	2 U	2 U	2 U	2 U
Isophorone	NS	NS	10 U	10 U	10 U	10 U
Naphthalene	12	100	2 U	2 U	2 U	2 U
Nitrobenzene	NS	NS	1 U	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	NS	NS	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	NS	NS	10 U	10 U	10 U	10 U
Pentachlorophenol	0.8	6.7	20 U	20 U	20 U	20 U
Phenanthrene	**100**	100	10 U	10 U	10 U	10 U
Phenol	0.33	100	10 U	10 U	10 U	10 U
Pyrene	**100**	100	10 U	10 U	10 U	10 U

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-01_0-2_20220613	RI-SB-01_6-8_20220613	RI-SB-X01_20220613	RI-SB-X01_20220613	RI-SB-01_12-14_20220613
		Laboratory Sample ID	460-260026-7	460-260026-8	460-260026-10	460-260026-10	460-260026-9
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	1	3	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	3,780	4,230	4,040	NR	14,200
Antimony	NS	NS	4.2 J	3.3 J	4 J	NR	1.4 UJ
Arsenic	**13**	16	3.9 J	**27.2**	**17.3 J**	NR	10.2
Barium	**350**	400	36.4 J	101 J	73.2 J	NR	39.2
Beryllium	7.2	72	0.26 J	0.28 J	0.24 J	NR	0.78
Cadmium	**2.5**	4.3	0.19 J	0.11 J	1.1 U	NR	1.4 U
Calcium	NS	NS	28,700	10,800	11,300	NR	2,790 J
Chromium, Hexavalent	1	110	2.3 U	2.4 U	2.8 U	NR	3.3 U
Chromium, Total	NS	NS	9.6	9.6	9.1	NR	26.5
Cobalt	NS	NS	3	3	3.3	NR	9.4
Copper	**50**	270	14.1 J	14.6 J	**88.5 J**	NR	11.6 J
Cyanide	**27**	27	0.88 J	1.1 J	0.31 UJ	NR	0.41 U
Iron	NS	NS	7,880	9,790	7,890	NR	32,600
Lead	**63**	400	**164 J**	**831**	**922 J**	NR	14.2 J
Magnesium	NS	NS	3,550	3,400	2,870	NR	5,930
Manganese	1,600	2,000	174	194	204	NR	360
Mercury	**0.18**	0.81	0.12 J	**0.48 J**	NR	**1.5 J**	0.057
Nickel	**30**	310	9	9.8	10	NR	24 J
Potassium	NS	NS	674	848	794	NR	2,850
Selenium	**3.9**	180	0.41 J	0.32 J	0.52 J	NR	0.34 J
Silver	**2**	180	0.37 U	0.39 U	0.14 J	NR	0.55 U
Sodium	NS	NS	224	252	311	NR	393
Thallium	NS	NS	0.045 J	0.093 J	0.09 J	NR	0.15 J
Vanadium	NS	NS	11.1 J+	14.1	11.1	NR	31.6
Zinc	**109**	10,000	36.2	66.5	88.7	NR	68

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-02_0-0.2_20220613	RI-SB-02_0-2_20220613	RI-SB-02_0-2_20220613	RI-SB-02_7-9_20220613	RI-SB-02_9-11_20220613
		Laboratory Sample ID	460-260026-11	460-260026-12	460-260026-12	460-260026-13	460-260026-14
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	5	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	2,670	2,480	NR	3,440	6,070
Antimony	NS	NS	1.7 J	1.4 J	NR	0.41 J	0.19 J
Arsenic	**13**	16	**46.1**	**93**	NR	**13.7 J**	12.2
Barium	**350**	400	121 J	68.6 J	NR	40.6 J	69
Beryllium	7.2	72	0.25 J	0.56	NR	0.34 J	0.52
Cadmium	**2.5**	4.3	0.82 J	2.5	NR	0.4 J	0.11 J
Calcium	NS	NS	8,140	9,610	NR	5,290	26,600 J
Chromium, Hexavalent	1	110	2.4 U	2.5 U	NR	2.2 U	2.5 U
Chromium, Total	NS	NS	22.8	15.5	NR	9.4	19.1
Cobalt	NS	NS	7.4	25.1	NR	9.5	5.6
Copper	**50**	270	**94.9 J**	**174 J**	NR	**92.7 J**	14.9 J
Cyanide	**27**	27	0.78	0.49	NR	0.3 J	0.17 J-
Iron	NS	NS	26,000	39,500	NR	10,900	17,700
Lead	**63**	400	**267**	**117**	NR	**107 J**	**93.8 J**
Magnesium	NS	NS	1,000	524	NR	1,300	3,380
Manganese	1,600	2,000	151	236	NR	98.7	241
Mercury	**0.18**	0.81	**0.68 J**	NR	**4.4 J**	0.098 J	0.13
Nickel	**30**	310	14.9	21.4	NR	19	14.3 J
Potassium	NS	NS	687	212	NR	479	1,900
Selenium	**3.9**	180	1.5	3.1	NR	**5**	0.27 J
Silver	**2**	180	0.13 J	0.31 J	NR	0.35 U	0.09 J
Sodium	NS	NS	324	179	NR	157	248
Thallium	NS	NS	0.33 J	0.22 J	NR	0.22 J	0.071 J
Vanadium	NS	NS	19	12.2	NR	9.9	22.2
Zinc	**109**	10,000	**176**	**391**	NR	**127**	**146**

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-03_0-2_20220615	RI-SB-03_7-9_20220615	RI-SB-03_7-9_20220615	RI-SB-03_13-15_20220615	RI-SB-04_0-2_20220620
		Laboratory Sample ID	460-260169-5	460-260169-6	460-260169-6	460-260169-7	460-260471-1
		Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/15/2022	6/20/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	5	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	6,040	6,090	NR	9,000	1,270
Antimony	NS	NS	1	1.3	NR	0.89 U	1 J
Arsenic	**13**	16	11.2	12.9	NR	1.1	4.8
Barium	**350**	400	83.6	170	NR	8.6	289
Beryllium	7.2	72	0.4	0.55	NR	0.38	0.1 J
Cadmium	**2.5**	4.3	0.78 J	0.18 J	NR	0.89 U	1.1 U
Calcium	NS	NS	46,700	42,900	NR	320	NR
Chromium, Hexavalent	1	110	2.4 U	2.8 U	NR	2.5 U	2.5 UJ
Chromium, Total	NS	NS	17.1	14.8	NR	13.2	4.4
Cobalt	NS	NS	6.1	5.8	NR	5	1.7 J
Copper	**50**	270	**80.9**	**190**	NR	9.4	27.1
Cyanide	**27**	27	0.17 J	0.31 U	NR	0.24 U	NR
Iron	NS	NS	11,700	16,200	NR	9,620	3,770
Lead	**63**	400	**262**	NR	**4,770**	5.7	**71.4**
Magnesium	NS	NS	6,440	2,940	NR	2,810	2,260
Manganese	1,600	2,000	339	302	NR	85.8	66.2
Mercury	**0.18**	0.81	**0.54**	**0.42**	NR	0.022	**0.36**
Nickel	**30**	310	**32.5**	14.8	NR	**36.4**	6.4
Potassium	NS	NS	937	1,430	NR	751	264
Selenium	**3.9**	180	0.74 J	0.3 J	NR	0.13 J	0.5 J
Silver	**2**	180	0.18 J	0.43	NR	0.35 U	0.43 U
Sodium	NS	NS	360	270	NR	143	2,480
Thallium	NS	NS	0.19 J	0.099 J	NR	0.067 J	0.43 U
Vanadium	NS	NS	22.5	21.6	NR	9.7	5.1
Zinc	**109**	10,000	**163**	**136**	NR	27.3	**130**

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-04_0-2_20220620	RI-SB-04_6-8_20220620	RI-SB-04_6-8_20220620	RI-SB-04_6-8_20220620	RI-SB-04_10-12_20220620
		Laboratory Sample ID	460-260471-1	460-260471-2	460-260471-2	460-260471-2	460-260471-3
		Date Sampled	6/20/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	10	1	5	20	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	5,910	NR	NR	2,990
Antimony	NS	NS	NR	1.3	NR	NR	1.1 U
Arsenic	**13**	16	NR	**16.1**	NR	NR	1.1
Barium	**350**	400	NR	294	NR	NR	5.1
Beryllium	7.2	72	NR	0.37	NR	NR	0.23 J
Cadmium	**2.5**	4.3	NR	**2.9**	NR	NR	1.1 U
Calcium	NS	NS	176,000	6,050	NR	NR	4,360
Chromium, Hexavalent	1	110	NR	2.3 U	NR	NR	2.7 U
Chromium, Total	NS	NS	NR	13.7	NR	NR	5.6
Cobalt	NS	NS	NR	6	NR	NR	1.5 J
Copper	**50**	270	NR	**80.1**	NR	NR	2.9
Cyanide	**27**	27	**41.6**	1.1	NR	NR	0.48
Iron	NS	NS	NR	18,000	NR	NR	3,810
Lead	**63**	400	NR	**563**	NR	NR	4.1
Magnesium	NS	NS	NR	2,540	NR	NR	2,400
Manganese	1,600	2,000	NR	269	NR	NR	17.4
Mercury	**0.18**	0.81	NR	NR	NR	**6.1**	0.033
Nickel	**30**	310	NR	21.1	NR	NR	5.6
Potassium	NS	NS	NR	850	NR	NR	468
Selenium	**3.9**	180	NR	0.62 J	NR	NR	0.22 J
Silver	**2**	180	NR	0.34 J	NR	NR	0.43 U
Sodium	NS	NS	NR	180	NR	NR	371
Thallium	NS	NS	NR	0.081 J	NR	NR	0.43 U
Vanadium	NS	NS	NR	20.3	NR	NR	6
Zinc	**109**	10,000	NR	NR	**4,750**	NR	5.1 J

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-05_0-2_20220620	RI-SB-05_10-12_20220620	RI-SB-05_10-12_20220620	RI-SB-05_10-12_20220620	RI-SB-05_12-14_20220620
		Laboratory Sample ID	460-260471-4	460-260471-5	460-260471-5	460-260471-5	460-260471-6
		Date Sampled	6/20/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	5	10	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	2,550	4,580	NR	NR	7,950
Antimony	NS	NS	1.2	0.65 J	NR	NR	1.6 U
Arsenic	**13**	16	8.4	**14.9**	NR	NR	3.4
Barium	**350**	400	36.7	271	NR	NR	17.6
Beryllium	7.2	72	0.21 J	0.56	NR	NR	0.52 J
Cadmium	**2.5**	4.3	0.3 J	0.26 J	NR	NR	1.6 U
Calcium	NS	NS	12,400	NR	NR	135,000	3,610
Chromium, Hexavalent	1	110	2.3 U	2.5 U	NR	NR	4 U
Chromium, Total	NS	NS	7.1	12.1	NR	NR	14.1
Cobalt	NS	NS	4.3	5.9	NR	NR	4.6
Copper	**50**	270	**58.9**	**59.7**	NR	NR	6.7
Cyanide	**27**	27	3.8	0.33	NR	NR	0.49 U
Iron	NS	NS	7,000	16,800	NR	NR	16,300
Lead	**63**	400	59.2	**326**	NR	NR	5.8
Magnesium	NS	NS	1,800	2,780	NR	NR	4,170
Manganese	1,600	2,000	72.4	249	NR	NR	111
Mercury	**0.18**	0.81	**0.31**	NR	**2.7**	NR	0.052
Nickel	**30**	310	10.3	14.7	NR	NR	13.3
Potassium	NS	NS	519	1,060	NR	NR	1,930
Selenium	**3.9**	180	0.52 J	0.53 J	NR	NR	0.38 J
Silver	**2**	180	0.37 U	0.24 J	NR	NR	0.64 U
Sodium	NS	NS	1,130	317	NR	NR	1,240
Thallium	NS	NS	0.074 J	0.14 J	NR	NR	0.16 J
Vanadium	NS	NS	11.2	14.2	NR	NR	34.2
Zinc	**109**	10,000	85	102	NR	NR	28.4

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-06_0-2_20220616	RI-SB-06_0-2_20220616	RI-SB-06_6-8_20220616	RI-SB-06_6-8_20220616	RI-SB-06_6-8_20220616
		Laboratory Sample ID	460-260250-5	460-260250-5	460-260250-6	460-260250-6	460-260250-6
		Date Sampled	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	2	1	2	5
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	23,800 J	3,730 J	NR	NR
Antimony	NS	NS	0.96 U	NR	1.2	NR	NR
Arsenic	**13**	16	**16**	NR	**80.1**	NR	NR
Barium	**350**	400	45.6 J	NR	125 J	NR	NR
Beryllium	7.2	72	2.3	NR	1.1	NR	NR
Cadmium	**2.5**	4.3	1.2	NR	0.22 J	NR	NR
Calcium	NS	NS	28,800 J	NR	50,900 J	NR	NR
Chromium, Hexavalent	1	110	2.6 U	NR	2.9 U	NR	NR
Chromium, Total	NS	NS	46.9 J	NR	29.2 J	NR	NR
Cobalt	NS	NS	23.7 J	NR	20.4 J	NR	NR
Copper	**50**	270	40.2 J	NR	**122 J**	NR	NR
Cyanide	**27**	27	0.29 UJ	NR	NR	13.4	NR
Iron	NS	NS	14,900 J	NR	NR	NR	107,000 J
Lead	**63**	400	41.4 J	NR	**83.4 J**	NR	NR
Magnesium	NS	NS	10,800 J	NR	234 J	NR	NR
Manganese	1,600	2,000	133 J	NR	133 J	NR	NR
Mercury	**0.18**	0.81	0.046 J	NR	0.13 J	NR	NR
Nickel	**30**	310	**47 J**	NR	23.1 J	NR	NR
Potassium	NS	NS	1,620 J	NR	188 J	NR	NR
Selenium	**3.9**	180	2.8	NR	3.6	NR	NR
Silver	**2**	180	0.38 U	NR	0.45 U	NR	NR
Sodium	NS	NS	1,840 J	NR	499 J	NR	NR
Thallium	NS	NS	0.15 J	NR	0.074 J	NR	NR
Vanadium	NS	NS	44 J	NR	26.8 J	NR	NR
Zinc	**109**	10,000	**365 J**	NR	83 J	NR	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-06_12-14_20220616	RI-SB-06_12-14_20220616	RI-SB-07_0-2_20220616	RI-SB-X01_20220616	RI-SB-X01_20220616
		Laboratory Sample ID	460-260250-7	460-260250-7	460-260250-1	460-260250-4	460-260250-4
		Date Sampled	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	10	1	1	5
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	9,150 J	NR	5,040 J	1,740 J	NR
Antimony	NS	NS	2.6 U	NR	0.2 J	0.5 J	NR
Arsenic	**13**	16	5.8	NR	3.7	4.5	NR
Barium	**350**	400	27.1 J	NR	53.4 J	141 J	NR
Beryllium	7.2	72	0.58 J	NR	0.37	0.15 J	NR
Cadmium	**2.5**	4.3	2.6 U	NR	0.88 U	0.12 J	NR
Calcium	NS	NS	6,820 J	NR	24,100 J	NR	73,700 J
Chromium, Hexavalent	1	110	NR	66.7 U	2.2 UJ	2.6 U	NR
Chromium, Total	NS	NS	19.9 J	NR	14.5 J	5.2 J	NR
Cobalt	NS	NS	4.4 J	NR	6 J	2.7 J	NR
Copper	**50**	270	11.5 J	NR	14.7 J	30.2 J	NR
Cyanide	**27**	27	0.8 UJ	NR	4.3 J	NR	22.2
Iron	NS	NS	17,700 J	NR	12,000 J	4,990 J	NR
Lead	**63**	400	11 J	NR	24.7 J	**161 J**	NR
Magnesium	NS	NS	4,970 J	NR	2,540 J	955 J	NR
Manganese	1,600	2,000	106 J	NR	271 J	63.5 J	NR
Mercury	**0.18**	0.81	0.045 J	NR	**0.38 J**	NR	NR
Nickel	**30**	310	16.5 J	NR	**34.3 J**	9.5 J	NR
Potassium	NS	NS	2,270 J	NR	1,640 J	364 J	NR
Selenium	**3.9**	180	0.66 J	NR	0.31 J	1.1 J	NR
Silver	**2**	180	1 U	NR	0.35 U	0.37 U	NR
Sodium	NS	NS	692 J	NR	387 J	1,110 J	NR
Thallium	NS	NS	1 U	NR	0.16 J	0.09 J	NR
Vanadium	NS	NS	36.4 J	NR	16 J	7.5 J	NR
Zinc	**109**	10,000	30.9 J	NR	62.1 J	**112 J**	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
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Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-X01_20220616	RI-SB-07_8-10_20220616	RI-SB-07_8-10_20220616	RI-SB-07_14-16_20220616	RI-SB-08_0-0.2_20220615
		Laboratory Sample ID	460-260250-4	460-260250-2	460-260250-2	460-260250-3	460-260169-8
		Date Sampled	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/15/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	20	1	5	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	5,150 J	NR	1,450 J	4,490
Antimony	NS	NS	NR	1.2 UJ	NR	0.15 J	0.14 J
Arsenic	**13**	16	NR	3.9	NR	3	4.8
Barium	**350**	400	NR	49.9 J	NR	19 J	32.1
Beryllium	7.2	72	NR	0.3 J	NR	0.12 J	0.33 J
Cadmium	**2.5**	4.3	NR	1.2 U	NR	0.98 U	0.24 J
Calcium	NS	NS	NR	8,470 J	NR	8,970 J	20,700
Chromium, Hexavalent	1	110	NR	2.6 UJ	NR	2.4 UJ	2.4 U
Chromium, Total	NS	NS	NR	6.3 J	NR	4.3 J	15.8
Cobalt	NS	NS	NR	3.9 J	NR	2 J	2.8
Copper	**50**	270	NR	**840 J**	NR	9.6 J	13.4
Cyanide	**27**	27	NR	0.15 J	NR	0.29 UJ	6.4
Iron	NS	NS	NR	14,700 J	NR	5,700 J	5,670
Lead	**63**	400	NR	56.6 J	NR	39.2 J	24.2
Magnesium	NS	NS	NR	834 J	NR	688 J	4,520
Manganese	1,600	2,000	NR	84.4 J	NR	66.8 J	51.8
Mercury	**0.18**	0.81	**19.1 J**	NR	0.15 J	0.039 J	0.031
Nickel	**30**	310	NR	8.6 J	NR	5.5 J	7.8
Potassium	NS	NS	NR	594 J	NR	226 J	564
Selenium	**3.9**	180	NR	0.3 J	NR	1.2 U	0.96 J
Silver	**2**	180	NR	0.27 J	NR	0.39 U	0.35 U
Sodium	NS	NS	NR	282 J	NR	177 J	436
Thallium	NS	NS	NR	0.056 J	NR	0.39 U	0.22 J
Vanadium	NS	NS	NR	13.4 J	NR	5.6 J	15.9
Zinc	**109**	10,000	NR	71 J	NR	21.7 J	36.9

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
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Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-08_0-2_20220615	RI-SB-08_0-2_20220615	RI-SB-08_7-9_20220615	RI-SB-08_18-20_20220615	RI-SB-08_18-20_20220615
		Laboratory Sample ID	460-260169-9	460-260169-9	460-260169-10	460-260169-11	460-260169-11
		Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/15/2022	6/15/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	2	1	1	10
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	3,800	NR	2,790	5,430	NR
Antimony	NS	NS	0.29 J	NR	3.5	1 U	NR
Arsenic	**13**	16	5.5	NR	8.3	1.1	NR
Barium	**350**	400	93.2	NR	52.6	9.5	NR
Beryllium	7.2	72	0.43	NR	0.19 J	0.22 J	NR
Cadmium	**2.5**	4.3	0.12 J	NR	0.85 U	1 U	NR
Calcium	NS	NS	NR	65,300	23,200	1,050	NR
Chromium, Hexavalent	1	110	2.7 U	NR	2.4 U	NR	24.7 U
Chromium, Total	NS	NS	9	NR	11.7	7.9	NR
Cobalt	NS	NS	5.1	NR	6.8	2.7	NR
Copper	**50**	270	30.4	NR	**54.7**	4.7	NR
Cyanide	**27**	27	3.4	NR	0.22 J	0.26 U	NR
Iron	NS	NS	8,810	NR	29,400	7,460	NR
Lead	**63**	400	**123**	NR	**347**	4.9	NR
Magnesium	NS	NS	2,270	NR	1,430	2,260	NR
Manganese	1,600	2,000	152	NR	297	71.8	NR
Mercury	**0.18**	0.81	**0.7**	NR	**0.77**	0.02 U	NR
Nickel	**30**	310	14.4	NR	16.3	12	NR
Potassium	NS	NS	1,010	NR	514	710	NR
Selenium	**3.9**	180	0.36 J	NR	0.23 J	0.16 J	NR
Silver	**2**	180	0.15 J	NR	**2.4**	0.41 U	NR
Sodium	NS	NS	720	NR	187	737	NR
Thallium	NS	NS	0.09 J	NR	0.057 J	0.063 J	NR
Vanadium	NS	NS	13.7	NR	29.4	7.5	NR
Zinc	**109**	10,000	73.6	NR	58.8	20.4	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-09_0-2_20220617	RI-SB-09_0-2_20220617	RI-SB-09_3-4_20220617	RI-SB-09_3-5_20220617	RI-SB-09_3-5_20220617
		Laboratory Sample ID	460-260400-1	460-260400-1	460-260418-1	460-260400-2	460-260400-2
		Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	5	1	1	5
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	1,620	NR	NR	7,370	NR
Antimony	NS	NS	0.37 J	NR	NR	0.72 J	NR
Arsenic	**13**	16	2.9	NR	NR	8.2	NR
Barium	**350**	400	143	NR	NR	73.3	NR
Beryllium	7.2	72	0.13 J	NR	NR	0.51	NR
Cadmium	**2.5**	4.3	0.43 J	NR	NR	1.2 U	NR
Calcium	NS	NS	NR	137,000	NR	33,800	NR
Chromium, Hexavalent	1	110	3.3 UJ	NR	NR	3.1 UJ	NR
Chromium, Total	NS	NS	20.4	NR	NR	12.8	NR
Cobalt	NS	NS	3.6	NR	NR	6.3	NR
Copper	**50**	270	15.8	NR	NR	35.1	NR
Cyanide	**27**	27	12.3	NR	NR	6.5	NR
Iron	NS	NS	12,300	NR	NR	22,900	NR
Lead	**63**	400	45.8	NR	21.5 J	**74.9**	NR
Magnesium	NS	NS	1,750	NR	NR	2,050	NR
Manganese	1,600	2,000	84.3	NR	NR	152	NR
Mercury	**0.18**	0.81	**0.26**	NR	NR	NR	**3.7**
Nickel	**30**	310	14	NR	NR	15.7	NR
Potassium	NS	NS	486	NR	NR	1,700	NR
Selenium	**3.9**	180	1.1 J	NR	NR	1.6	NR
Silver	**2**	180	0.53 U	NR	NR	0.48 U	NR
Sodium	NS	NS	2,360	NR	NR	826	NR
Thallium	NS	NS	0.53 U	NR	NR	0.18 J	NR
Vanadium	NS	NS	7.4	NR	NR	24	NR
Zinc	**109**	10,000	65.1	NR	NR	88.2	NR

Table 2C
Former Chesebrough Manufacturing Site
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Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-09_5-6_20220617	RI-SB-09_9-10_20220617	RI-SB-09_10-12_20220617	RI-SB-09_11-12_20220617	RI-SB-09-E3_5-6_20220729
		Laboratory Sample ID	460-260418-2	460-260418-3	460-260400-3	460-260418-4	460-262866-7
		Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	7/29/2022
		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	NR	NR	3,730	NR	NR
Antimony	NS	NS	NR	NR	0.15 J	NR	NR
Arsenic	**13**	16	NR	NR	7.3	NR	NR
Barium	**350**	400	NR	NR	74.8	NR	NR
Beryllium	7.2	72	NR	NR	0.25 J	NR	NR
Cadmium	**2.5**	4.3	NR	NR	0.89 U	NR	NR
Calcium	NS	NS	NR	NR	43,400	NR	NR
Chromium, Hexavalent	1	110	NR	NR	2.2 U	NR	NR
Chromium, Total	NS	NS	NR	NR	8.8	NR	NR
Cobalt	NS	NS	NR	NR	4.4	NR	NR
Copper	**50**	270	NR	NR	11.2	NR	NR
Cyanide	**27**	27	NR	NR	0.19 J	NR	NR
Iron	NS	NS	NR	NR	9,530	NR	NR
Lead	**63**	400	**428 J**	**231 J**	**192**	25.8 J	57.5
Magnesium	NS	NS	NR	NR	2,800	NR	NR
Manganese	1,600	2,000	NR	NR	131	NR	NR
Mercury	**0.18**	0.81	NR	NR	0.016 J	NR	NR
Nickel	**30**	310	NR	NR	16.6	NR	NR
Potassium	NS	NS	NR	NR	575	NR	NR
Selenium	**3.9**	180	NR	NR	0.13 J	NR	NR
Silver	**2**	180	NR	NR	0.36 U	NR	NR
Sodium	NS	NS	NR	NR	139	NR	NR
Thallium	NS	NS	NR	NR	0.048 J	NR	NR
Vanadium	NS	NS	NR	NR	10.1	NR	NR
Zinc	**109**	10,000	NR	NR	53.1	NR	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-09-E3_7-8_20220729	RI-SB-09-E3_9-10_20220729	RI-SB-09-N3_5-6_20220729	RI-SB-09-N3_7-8_20220729	RI-SB-09-N3_9-10_20220729
		Laboratory Sample ID	460-262866-8	460-262866-9	460-262866-13	460-262866-14	460-262866-15
		Date Sampled	7/29/2022	7/29/2022	7/29/2022	7/29/2022	7/29/2022
		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	NR	NR	NR	NR	NR
Antimony	NS	NS	NR	NR	NR	NR	NR
Arsenic	**13**	16	NR	NR	NR	NR	NR
Barium	**350**	400	NR	NR	NR	NR	NR
Beryllium	7.2	72	NR	NR	NR	NR	NR
Cadmium	**2.5**	4.3	NR	NR	NR	NR	NR
Calcium	NS	NS	NR	NR	NR	NR	NR
Chromium, Hexavalent	1	110	NR	NR	NR	NR	NR
Chromium, Total	NS	NS	NR	NR	NR	NR	NR
Cobalt	NS	NS	NR	NR	NR	NR	NR
Copper	**50**	270	NR	NR	NR	NR	NR
Cyanide	**27**	27	NR	NR	NR	NR	NR
Iron	NS	NS	NR	NR	NR	NR	NR
Lead	**63**	400	**114**	18.6	**346**	**933**	**68**
Magnesium	NS	NS	NR	NR	NR	NR	NR
Manganese	1,600	2,000	NR	NR	NR	NR	NR
Mercury	**0.18**	0.81	NR	NR	NR	NR	NR
Nickel	**30**	310	NR	NR	NR	NR	NR
Potassium	NS	NS	NR	NR	NR	NR	NR
Selenium	**3.9**	180	NR	NR	NR	NR	NR
Silver	**2**	180	NR	NR	NR	NR	NR
Sodium	NS	NS	NR	NR	NR	NR	NR
Thallium	NS	NS	NR	NR	NR	NR	NR
Vanadium	NS	NS	NR	NR	NR	NR	NR
Zinc	**109**	10,000	NR	NR	NR	NR	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-09-W3_5-6_20220729	RI-SB-09-W3_7-8_20220729	RI-SB-09-W3_9-10_20220729	RI-SB-09E1_3-5_20220617	RI-SB-X01_20220617
		Laboratory Sample ID	460-262866-10	460-262866-11	460-262866-12	460-260418-5	460-260418-10
		Date Sampled	7/29/2022	7/29/2022	7/29/2022	6/17/2022	6/17/2022
		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	NR	NR	NR	NR	NR
Antimony	NS	NS	NR	NR	NR	NR	NR
Arsenic	**13**	16	NR	NR	NR	NR	NR
Barium	**350**	400	NR	NR	NR	NR	NR
Beryllium	7.2	72	NR	NR	NR	NR	NR
Cadmium	**2.5**	4.3	NR	NR	NR	NR	NR
Calcium	NS	NS	NR	NR	NR	NR	NR
Chromium, Hexavalent	1	110	NR	NR	NR	NR	NR
Chromium, Total	NS	NS	NR	NR	NR	NR	NR
Cobalt	NS	NS	NR	NR	NR	NR	NR
Copper	**50**	270	NR	NR	NR	NR	NR
Cyanide	**27**	27	NR	NR	NR	NR	NR
Iron	NS	NS	NR	NR	NR	NR	NR
Lead	**63**	400	**387**	**63.9**	**146**	**178 J**	**367 J**
Magnesium	NS	NS	NR	NR	NR	NR	NR
Manganese	1,600	2,000	NR	NR	NR	NR	NR
Mercury	**0.18**	0.81	NR	NR	NR	NR	NR
Nickel	**30**	310	NR	NR	NR	NR	NR
Potassium	NS	NS	NR	NR	NR	NR	NR
Selenium	**3.9**	180	NR	NR	NR	NR	NR
Silver	**2**	180	NR	NR	NR	NR	NR
Sodium	NS	NS	NR	NR	NR	NR	NR
Thallium	NS	NS	NR	NR	NR	NR	NR
Vanadium	NS	NS	NR	NR	NR	NR	NR
Zinc	**109**	10,000	NR	NR	NR	NR	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-09E1_5-6_20220617	RI-SB-09E1_7-8_20220617	RI-SB-09E1_9-10_20220617	RI-SB-09E1_11-12_20220617	RI-SB-09E2_3-5_20220617
		Laboratory Sample ID	460-260418-6	460-260418-7	460-260418-8	460-260418-9	460-260418-11
		Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022
		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	NR	NR	NR	NR	NR
Antimony	NS	NS	NR	NR	NR	NR	NR
Arsenic	**13**	16	NR	NR	NR	NR	NR
Barium	**350**	400	NR	NR	NR	NR	NR
Beryllium	7.2	72	NR	NR	NR	NR	NR
Cadmium	**2.5**	4.3	NR	NR	NR	NR	NR
Calcium	NS	NS	NR	NR	NR	NR	NR
Chromium, Hexavalent	1	110	NR	NR	NR	NR	NR
Chromium, Total	NS	NS	NR	NR	NR	NR	NR
Cobalt	NS	NS	NR	NR	NR	NR	NR
Copper	**50**	270	NR	NR	NR	NR	NR
Cyanide	**27**	27	NR	NR	NR	NR	NR
Iron	NS	NS	NR	NR	NR	NR	NR
Lead	**63**	400	24.6 J	**1,340 J**	37 J	33.1 J	**71 J**
Magnesium	NS	NS	NR	NR	NR	NR	NR
Manganese	1,600	2,000	NR	NR	NR	NR	NR
Mercury	**0.18**	0.81	NR	NR	NR	NR	NR
Nickel	**30**	310	NR	NR	NR	NR	NR
Potassium	NS	NS	NR	NR	NR	NR	NR
Selenium	**3.9**	180	NR	NR	NR	NR	NR
Silver	**2**	180	NR	NR	NR	NR	NR
Sodium	NS	NS	NR	NR	NR	NR	NR
Thallium	NS	NS	NR	NR	NR	NR	NR
Vanadium	NS	NS	NR	NR	NR	NR	NR
Zinc	**109**	10,000	NR	NR	NR	NR	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-09E2_5-6_20220617	RI-SB-09E2_7-8_20220617	RI-SB-09E2_9-10_20220617	RI-SB-09E2_11-12_20220617	RI-SB-09N1_3-5_20220617
		Laboratory Sample ID	460-260418-12	460-260418-13	460-260418-14	460-260418-15	460-260418-16
		Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022
		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	NR	NR	NR	NR	NR
Antimony	NS	NS	NR	NR	NR	NR	NR
Arsenic	**13**	16	NR	NR	NR	NR	NR
Barium	**350**	400	NR	NR	NR	NR	NR
Beryllium	7.2	72	NR	NR	NR	NR	NR
Cadmium	**2.5**	4.3	NR	NR	NR	NR	NR
Calcium	NS	NS	NR	NR	NR	NR	NR
Chromium, Hexavalent	1	110	NR	NR	NR	NR	NR
Chromium, Total	NS	NS	NR	NR	NR	NR	NR
Cobalt	NS	NS	NR	NR	NR	NR	NR
Copper	**50**	270	NR	NR	NR	NR	NR
Cyanide	**27**	27	NR	NR	NR	NR	NR
Iron	NS	NS	NR	NR	NR	NR	NR
Lead	**63**	400	20.7 J	**1,430 J**	22.3 J	45 J	**95.3 J**
Magnesium	NS	NS	NR	NR	NR	NR	NR
Manganese	1,600	2,000	NR	NR	NR	NR	NR
Mercury	**0.18**	0.81	NR	NR	NR	NR	NR
Nickel	**30**	310	NR	NR	NR	NR	NR
Potassium	NS	NS	NR	NR	NR	NR	NR
Selenium	**3.9**	180	NR	NR	NR	NR	NR
Silver	**2**	180	NR	NR	NR	NR	NR
Sodium	NS	NS	NR	NR	NR	NR	NR
Thallium	NS	NS	NR	NR	NR	NR	NR
Vanadium	NS	NS	NR	NR	NR	NR	NR
Zinc	**109**	10,000	NR	NR	NR	NR	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-09N1_5-6_20220617	RI-SB-09N1_7-8_20220617	RI-SB-09N1_9-10_20220617	RI-SB-09N1_11-12_20220617	RI-SB-09N2_3-5_20220617
		Laboratory Sample ID	460-260418-17	460-260418-18	460-260418-19	460-260418-20	460-260418-21
		Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	2	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	NR	NR	NR	NR
Antimony	NS	NS	NR	NR	NR	NR	NR
Arsenic	**13**	16	NR	NR	NR	NR	NR
Barium	**350**	400	NR	NR	NR	NR	NR
Beryllium	7.2	72	NR	NR	NR	NR	NR
Cadmium	**2.5**	4.3	NR	NR	NR	NR	NR
Calcium	NS	NS	NR	NR	NR	NR	NR
Chromium, Hexavalent	1	110	NR	NR	NR	NR	NR
Chromium, Total	NS	NS	NR	NR	NR	NR	NR
Cobalt	NS	NS	NR	NR	NR	NR	NR
Copper	**50**	270	NR	NR	NR	NR	NR
Cyanide	**27**	27	NR	NR	NR	NR	NR
Iron	NS	NS	NR	NR	NR	NR	NR
Lead	**63**	400	**595 J**	**4,180 J**	**162 J**	10.3 J	60.1 J
Magnesium	NS	NS	NR	NR	NR	NR	NR
Manganese	1,600	2,000	NR	NR	NR	NR	NR
Mercury	**0.18**	0.81	NR	NR	NR	NR	NR
Nickel	**30**	310	NR	NR	NR	NR	NR
Potassium	NS	NS	NR	NR	NR	NR	NR
Selenium	**3.9**	180	NR	NR	NR	NR	NR
Silver	**2**	180	NR	NR	NR	NR	NR
Sodium	NS	NS	NR	NR	NR	NR	NR
Thallium	NS	NS	NR	NR	NR	NR	NR
Vanadium	NS	NS	NR	NR	NR	NR	NR
Zinc	**109**	10,000	NR	NR	NR	NR	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-09N2_5-6_20220617	RI-SB-09N2_7-8_20220617	RI-SB-09N2_9-10_20220617	RI-SB-09N2_11-12_20220617	RI-SB-09W1_3-5_20220617
		Laboratory Sample ID	460-260418-22	460-260418-23	460-260418-24	460-260418-25	460-260418-26
		Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022
		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	NR	NR	NR	NR	NR
Antimony	NS	NS	NR	NR	NR	NR	NR
Arsenic	**13**	16	NR	NR	NR	NR	NR
Barium	**350**	400	NR	NR	NR	NR	NR
Beryllium	7.2	72	NR	NR	NR	NR	NR
Cadmium	**2.5**	4.3	NR	NR	NR	NR	NR
Calcium	NS	NS	NR	NR	NR	NR	NR
Chromium, Hexavalent	1	110	NR	NR	NR	NR	NR
Chromium, Total	NS	NS	NR	NR	NR	NR	NR
Cobalt	NS	NS	NR	NR	NR	NR	NR
Copper	**50**	270	NR	NR	NR	NR	NR
Cyanide	**27**	27	NR	NR	NR	NR	NR
Iron	NS	NS	NR	NR	NR	NR	NR
Lead	**63**	400	**2,020 J**	20.8 J	3.5 J	**70.5 J**	**83 J**
Magnesium	NS	NS	NR	NR	NR	NR	NR
Manganese	1,600	2,000	NR	NR	NR	NR	NR
Mercury	**0.18**	0.81	NR	NR	NR	NR	NR
Nickel	**30**	310	NR	NR	NR	NR	NR
Potassium	NS	NS	NR	NR	NR	NR	NR
Selenium	**3.9**	180	NR	NR	NR	NR	NR
Silver	**2**	180	NR	NR	NR	NR	NR
Sodium	NS	NS	NR	NR	NR	NR	NR
Thallium	NS	NS	NR	NR	NR	NR	NR
Vanadium	NS	NS	NR	NR	NR	NR	NR
Zinc	**109**	10,000	NR	NR	NR	NR	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-X02_20220617	RI-SB-09W1_5-6_20220617	RI-SB-09W1_7-8_20220617	RI-SB-09W1_9-10_20220617	RI-SB-09W1_11-12_20220617
		Laboratory Sample ID	460-260418-31	460-260418-27	460-260418-28	460-260418-29	460-260418-30
		Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	10	1	1	2
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	NR	NR	NR	NR
Antimony	NS	NS	NR	NR	NR	NR	NR
Arsenic	**13**	16	NR	NR	NR	NR	NR
Barium	**350**	400	NR	NR	NR	NR	NR
Beryllium	7.2	72	NR	NR	NR	NR	NR
Cadmium	**2.5**	4.3	NR	NR	NR	NR	NR
Calcium	NS	NS	NR	NR	NR	NR	NR
Chromium, Hexavalent	1	110	NR	NR	NR	NR	NR
Chromium, Total	NS	NS	NR	NR	NR	NR	NR
Cobalt	NS	NS	NR	NR	NR	NR	NR
Copper	**50**	270	NR	NR	NR	NR	NR
Cyanide	**27**	27	NR	NR	NR	NR	NR
Iron	NS	NS	NR	NR	NR	NR	NR
Lead	**63**	400	8.3 J	**2,860 J**	16 J	**154 J**	**251 J**
Magnesium	NS	NS	NR	NR	NR	NR	NR
Manganese	1,600	2,000	NR	NR	NR	NR	NR
Mercury	**0.18**	0.81	NR	NR	NR	NR	NR
Nickel	**30**	310	NR	NR	NR	NR	NR
Potassium	NS	NS	NR	NR	NR	NR	NR
Selenium	**3.9**	180	NR	NR	NR	NR	NR
Silver	**2**	180	NR	NR	NR	NR	NR
Sodium	NS	NS	NR	NR	NR	NR	NR
Thallium	NS	NS	NR	NR	NR	NR	NR
Vanadium	NS	NS	NR	NR	NR	NR	NR
Zinc	**109**	10,000	NR	NR	NR	NR	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-09W2_3-5_20220617	RI-SB-09W2_5-6_20220617	RI-SB-09W2_7-8_20220617	RI-SB-09W2_9-10_20220617	RI-SB-09W2_11-12_20220617
		Laboratory Sample ID	460-260418-32	460-260418-33	460-260418-34	460-260418-35	460-260418-36
		Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022
		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	NR	NR	NR	NR	NR
Antimony	NS	NS	NR	NR	NR	NR	NR
Arsenic	**13**	16	NR	NR	NR	NR	NR
Barium	**350**	400	NR	NR	NR	NR	NR
Beryllium	7.2	72	NR	NR	NR	NR	NR
Cadmium	**2.5**	4.3	NR	NR	NR	NR	NR
Calcium	NS	NS	NR	NR	NR	NR	NR
Chromium, Hexavalent	1	110	NR	NR	NR	NR	NR
Chromium, Total	NS	NS	NR	NR	NR	NR	NR
Cobalt	NS	NS	NR	NR	NR	NR	NR
Copper	**50**	270	NR	NR	NR	NR	NR
Cyanide	**27**	27	NR	NR	NR	NR	NR
Iron	NS	NS	NR	NR	NR	NR	NR
Lead	**63**	400	**68.7 J**	51.8 J	**78.9 J**	**618 J**	8.2 J
Magnesium	NS	NS	NR	NR	NR	NR	NR
Manganese	1,600	2,000	NR	NR	NR	NR	NR
Mercury	**0.18**	0.81	NR	NR	NR	NR	NR
Nickel	**30**	310	NR	NR	NR	NR	NR
Potassium	NS	NS	NR	NR	NR	NR	NR
Selenium	**3.9**	180	NR	NR	NR	NR	NR
Silver	**2**	180	NR	NR	NR	NR	NR
Sodium	NS	NS	NR	NR	NR	NR	NR
Thallium	NS	NS	NR	NR	NR	NR	NR
Vanadium	NS	NS	NR	NR	NR	NR	NR
Zinc	**109**	10,000	NR	NR	NR	NR	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-10_0-2_20220616	RI-SB-10_0-2_20220616	RI-SB-10_0-2_20220616	RI-SB-10_11-13_20220616	RI-SB-10_14-16_20220616
		Laboratory Sample ID	460-260250-10	460-260250-10	460-260250-10	460-260250-11	460-260250-12
		Date Sampled	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	2	10	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	2,220 J	NR	NR	7,770 J	5,080 J
Antimony	NS	NS	2.2	NR	NR	0.18 J	0.93 U
Arsenic	**13**	16	**34.2**	NR	NR	6.6	4.8
Barium	**350**	400	73.4 J	NR	NR	136 J	89 J
Beryllium	7.2	72	0.38	NR	NR	0.44	0.34 J
Cadmium	**2.5**	4.3	0.66 J	NR	NR	0.95 U	0.93 U
Calcium	NS	NS	NR	60,500 J	NR	11,400 J	4,200 J
Chromium, Hexavalent	1	110	2.2 U	NR	NR	2.4 UJ	2.3 UJ
Chromium, Total	NS	NS	6.7 J	NR	NR	13.8 J	11.8 J
Cobalt	NS	NS	4.1 J	NR	NR	15.4 J	4.3 J
Copper	**50**	270	47.3 J	NR	NR	39.2 J	18 J
Cyanide	**27**	27	NR	NR	15.8	0.28 U	0.28 UJ
Iron	NS	NS	7,350 J	NR	NR	40,300 J	10,300 J
Lead	**63**	400	**95.7 J**	NR	NR	**175 J**	**72 J**
Magnesium	NS	NS	960 J	NR	NR	2,100 J	1,930 J
Manganese	1,600	2,000	63.6 J	NR	NR	436 J	105 J
Mercury	**0.18**	0.81	0.038 J	NR	NR	**0.3 J**	0.1 J
Nickel	**30**	310	15.6 J	NR	NR	21.6 J	13.6 J
Potassium	NS	NS	453 J	NR	NR	575 J	920 J
Selenium	**3.9**	180	**6.6**	NR	NR	0.61 J	0.49 J
Silver	**2**	180	0.17 J	NR	NR	0.11 J	0.25 J
Sodium	NS	NS	1,080 J	NR	NR	429 J	499 J
Thallium	NS	NS	1.2	NR	NR	0.052 J	0.089 J
Vanadium	NS	NS	13.4 J	NR	NR	22 J	13.5 J
Zinc	**109**	10,000	82.2 J	NR	NR	33.7 J	43.3 J

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-11_0-2_20220615	RI-SB-11_0-2_20220615	RI-SB-11_8-10_20220615	RI-SB-11_13-15_20220615	RI-SB-12_0-0.2_20220615
		Laboratory Sample ID	460-260169-12	460-260169-12	460-260169-13	460-260169-14	460-260169-1
		Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/15/2022	6/15/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	2	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	1,940	NR	2,020	12,900	2,540
Antimony	NS	NS	0.5 J	NR	1.2	0.34 J	6.4
Arsenic	**13**	16	2.9	NR	7.5	9.2	**20.5**
Barium	**350**	400	57.6	NR	36.2	31	146
Beryllium	7.2	72	0.19 J	NR	0.16 J	0.66 J	0.39
Cadmium	**2.5**	4.3	0.25 J	NR	0.9 U	0.28 J	1.1
Calcium	NS	NS	41,900	NR	32,300	4,430	14,200
Chromium, Hexavalent	1	110	2.6 U	NR	2.2 U	5 U	2.2 U
Chromium, Total	NS	NS	6	NR	6.9	21.7	20.6
Cobalt	NS	NS	3.3	NR	6.6	10.6	3.6
Copper	**50**	270	24.3	NR	28.4	19.4	**143**
Cyanide	**27**	27	NR	14.8	0.65	0.59 U	0.21 J
Iron	NS	NS	4,170	NR	32,600	29,300	16,700
Lead	**63**	400	**208**	NR	**80.3**	36.8	**614**
Magnesium	NS	NS	3,210	NR	1,530	3,440	1,200
Manganese	1,600	2,000	73.9	NR	125	189	162
Mercury	**0.18**	0.81	**0.23**	NR	**0.2**	0.04 U	**0.58**
Nickel	**30**	310	8.6	NR	14.9	**33.2**	12.6
Potassium	NS	NS	503	NR	515	2,160	439
Selenium	**3.9**	180	1.1 J	NR	0.29 J	0.48 J	1.8
Silver	**2**	180	0.41 U	NR	0.36 U	0.83 U	0.13 J
Sodium	NS	NS	1,220	NR	226	1,150	212
Thallium	NS	NS	0.064 J	NR	0.04 J	0.16 J	0.29 J
Vanadium	NS	NS	9.9	NR	8.6	39.5	13.2
Zinc	**109**	10,000	91	NR	42.6	57.6	**310**

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-12_0-2_20220615	RI-SB-12_8-10_20220615	RI-SB-12_12-14_20220615	RI-SB-13_0-.2_20220614	RI-SB-13_0-.2_20220614
		Laboratory Sample ID	460-260169-2	460-260169-3	460-260169-4	460-260103-1	460-260103-1
		Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/14/2022	6/14/2022
		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	5,300	2,640	16,200	4,610	NR
Antimony	NS	NS	0.26 J	0.8 J	1.5 U	0.12 J	NR
Arsenic	**13**	16	7.6	10.7	7.9	2.1	NR
Barium	**350**	400	127	147	34.9	38.3	NR
Beryllium	7.2	72	0.36	0.21 J	0.9	0.29 J	NR
Cadmium	**2.5**	4.3	0.17 J	0.18 J	0.32 J	0.84 U	NR
Calcium	NS	NS	31,300	7,210	5,050	NR	43,100
Chromium, Hexavalent	1	110	2.3 U	2.5 U	3.8 U	2.2 UJ	NR
Chromium, Total	NS	NS	9.8	5.6	31.6	9.1	NR
Cobalt	NS	NS	4.3	2.9	9.9	2.7	NR
Copper	**50**	270	31.1	**65.5**	16.3	14.9	NR
Cyanide	**27**	27	1.8	0.95	0.4 U	0.33	NR
Iron	NS	NS	7,340	6,640	34,800	5,770	NR
Lead	**63**	400	**117**	**183**	15.5	16.4	NR
Magnesium	NS	NS	3,470	984	6,810	2,230	NR
Manganese	1,600	2,000	124	101	360	92.2	NR
Mercury	**0.18**	0.81	**0.63**	0.1	0.042	**0.27**	NR
Nickel	**30**	310	27.4	9.7	29.1	8	NR
Potassium	NS	NS	1,260	505	3,240	473	NR
Selenium	**3.9**	180	0.93 J	0.71 J	0.42 J	0.13 J	NR
Silver	**2**	180	0.1 J	0.39 U	0.59 U	0.34 U	NR
Sodium	NS	NS	375	350	389	122	NR
Thallium	NS	NS	0.11 J	0.051 J	0.23 J	0.34 U	NR
Vanadium	NS	NS	18.4	10.3	32.3	10.9	NR
Zinc	**109**	10,000	85.3	**156**	73.8	18.2	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-13_0-2_20220614	RI-SB-13_0-2_20220614	RI-SB-13_8-10_20220614	RI-SB-13_8-10_20220614	RI-SB-13_10-12_20220614
		Laboratory Sample ID	460-260103-2	460-260103-2	460-260103-3	460-260103-3	460-260103-4
		Date Sampled	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	2	1	20	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	4,400	NR	6,710	NR	13,100
Antimony	NS	NS	0.19 J	NR	0.21 J	NR	1.2 U
Arsenic	**13**	16	4.6	NR	8.2	NR	8.1
Barium	**350**	400	39.7	NR	72.4	NR	31.6
Beryllium	7.2	72	0.3	NR	0.61	NR	0.67
Cadmium	**2.5**	4.3	0.27 J	NR	0.14 J	NR	0.14 J
Calcium	NS	NS	NR	43,600	17,100	NR	1,940
Chromium, Hexavalent	1	110	2 UJ	NR	2.3 UJ	NR	2.9 UJ
Chromium, Total	NS	NS	10.6	NR	12.4	NR	24.6
Cobalt	NS	NS	3.8	NR	9.7	NR	7.7
Copper	**50**	270	32.9	NR	48.5	NR	12.7
Cyanide	**27**	27	1.6	NR	0.25 J	NR	0.35 U
Iron	NS	NS	8,420	NR	24,400	NR	26,000
Lead	**63**	400	61.3	NR	**66.2**	NR	16.8
Magnesium	NS	NS	3,920	NR	5,260	NR	5,600
Manganese	1,600	2,000	176	NR	400	NR	257
Mercury	**0.18**	0.81	**0.2**	NR	NR	**18.3**	0.042
Nickel	**30**	310	15.4	NR	17.1	NR	22.5
Potassium	NS	NS	1,000	NR	1,350	NR	2,630
Selenium	**3.9**	180	0.32 J	NR	0.35 J	NR	0.33 J
Silver	**2**	180	0.3 U	NR	0.2 J	NR	0.47 U
Sodium	NS	NS	232	NR	282	NR	725
Thallium	NS	NS	0.11 J	NR	0.099 J	NR	0.15 J
Vanadium	NS	NS	17.3	NR	20.4	NR	29.7
Zinc	**109**	10,000	98.2	NR	75.6	NR	59.5

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-14_0-2_20220613	RI-SB-14_0-2_20220613	RI-SB-14_6-8_20220613	RI-SB-14_6-8_20220613	RI-SB-14_6-8_20220613
		Laboratory Sample ID	460-260026-4	460-260026-4	460-260026-5	460-260026-5	460-260026-5
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	2	1	2	3
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	2,570	NR	4,580	NR
Antimony	NS	NS	NR	0.91 J	NR	0.4 J	NR
Arsenic	**13**	16	NR	4	NR	12.4	NR
Barium	**350**	400	NR	38.3	NR	**412 J**	NR
Beryllium	7.2	72	NR	0.2 J	NR	0.31 J	NR
Cadmium	**2.5**	4.3	NR	0.56 J	NR	0.82 J	NR
Calcium	NS	NS	NR	26,900 J	NR	41,900	NR
Chromium, Hexavalent	1	110	2.2 U	NR	2.4 U	NR	NR
Chromium, Total	NS	NS	NR	9.8	NR	13.1	NR
Cobalt	NS	NS	NR	3.2 J	NR	4.8	NR
Copper	**50**	270	NR	20.2 J	NR	42 J	NR
Cyanide	**27**	27	2.1	NR	3.1	NR	NR
Iron	NS	NS	NR	5,970	NR	13,100	NR
Lead	**63**	400	NR	**81 J**	NR	**269**	NR
Magnesium	NS	NS	NR	1,780	NR	2,600	NR
Manganese	1,600	2,000	NR	143	NR	202	NR
Mercury	**0.18**	0.81	**0.38**	NR	NR	NR	**1.3 J**
Nickel	**30**	310	NR	13.2 J	NR	16.3	NR
Potassium	NS	NS	NR	366	NR	901	NR
Selenium	**3.9**	180	NR	0.41 J	NR	0.8 J	NR
Silver	**2**	180	NR	0.7 U	NR	0.73 U	NR
Sodium	NS	NS	NR	300	NR	307	NR
Thallium	NS	NS	NR	0.7 U	NR	0.73 U	NR
Vanadium	NS	NS	NR	10.9	NR	16.6	NR
Zinc	**109**	10,000	NR	108	NR	**759**	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-14_12-14_20220613	RI-SB-15_0-2_20220613	RI-SB-15_0-2_20220613	RI-SB-15_3-5_20220613	RI-SB-15_3-5_20220613
		Laboratory Sample ID	460-260026-6	460-260026-1	460-260026-1	460-260026-2	460-260026-2
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	1	2	1	2
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	10,800	7,010	NR	NR	6,800
Antimony	NS	NS	1.2 UJ	0.25 J	NR	NR	5.4 J
Arsenic	**13**	16	4.2	4.3	NR	NR	**16.9 J**
Barium	**350**	400	22.2	85.7	NR	NR	192 J
Beryllium	7.2	72	0.57	0.33 J	NR	NR	0.42 J
Cadmium	**2.5**	4.3	1.2 U	1.1	NR	NR	0.2 J
Calcium	NS	NS	2,790 J	NR	46,000	NR	53,700
Chromium, Hexavalent	1	110	2.9 U	2.3 U	NR	2.3 U	NR
Chromium, Total	NS	NS	20.8	15.1	NR	NR	25.4
Cobalt	NS	NS	6.4	3.4	NR	NR	8.7
Copper	**50**	270	9.1 J	28.5 J	NR	NR	**657 J**
Cyanide	**27**	27	0.36 U	0.31	NR	0.27 UJ	NR
Iron	NS	NS	21,300	9,400	NR	NR	16,000
Lead	**63**	400	11.1 J	**88.4 J**	NR	NR	**515 J**
Magnesium	NS	NS	4,940	3,960	NR	NR	5,610
Manganese	1,600	2,000	230	258	NR	NR	390
Mercury	**0.18**	0.81	0.021 J	**0.3**	NR	NR	NR
Nickel	**30**	310	17.9 J	11.7	NR	NR	**41.2**
Potassium	NS	NS	2,180	686	NR	NR	920
Selenium	**3.9**	180	0.3 J	0.17 J	NR	NR	0.26 J
Silver	**2**	180	0.49 U	0.12 J	NR	NR	0.81
Sodium	NS	NS	320	477	NR	NR	470
Thallium	NS	NS	0.11 J	0.34 U	NR	NR	0.69 U
Vanadium	NS	NS	27.9	14.7	NR	NR	25.6
Zinc	**109**	10,000	50.2	**112**	NR	NR	**175**

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
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Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-15_3-5_20220613	RI-SB-15_7-9_20220613	RI-SB-15_7-9_20220613	RI-SB-16_0-2_20220614	RI-SB-16_0-2_20220614
		Laboratory Sample ID	460-260026-2	460-260026-3	460-260026-3	460-260103-8	460-260103-8
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/14/2022	6/14/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	3	1	2	1	5
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	NR	6,900	5,620	NR
Antimony	NS	NS	NR	NR	1.8 UJ	8.1	NR
Arsenic	**13**	16	NR	NR	1.1 J	**17.5**	NR
Barium	**350**	400	NR	NR	34	58.7	NR
Beryllium	7.2	72	NR	NR	0.26 J	0.32 J	NR
Cadmium	**2.5**	4.3	NR	NR	1.8 U	0.12 J	NR
Calcium	NS	NS	NR	NR	1,980 J	32,000	NR
Chromium, Hexavalent	1	110	NR	2.4 U	NR	2.1 UJ	NR
Chromium, Total	NS	NS	NR	NR	10	13.5	NR
Cobalt	NS	NS	NR	NR	3.5 J	6.2	NR
Copper	**50**	270	NR	NR	15 J	46.6	NR
Cyanide	**27**	27	NR	0.27 U	NR	0.44	NR
Iron	NS	NS	NR	NR	10,500	24,200	NR
Lead	**63**	400	NR	NR	15.9 J	**180**	NR
Magnesium	NS	NS	NR	NR	2,830	2,890	NR
Manganese	1,600	2,000	NR	NR	91.6	212	NR
Mercury	**0.18**	0.81	**1.1 J**	0.02 U	NR	NR	**2.4**
Nickel	**30**	310	NR	NR	12.5 J	25.1	NR
Potassium	NS	NS	NR	NR	683	736	NR
Selenium	**3.9**	180	NR	NR	2.3 U	0.21 J	NR
Silver	**2**	180	NR	NR	0.74 U	0.1 J	NR
Sodium	NS	NS	NR	NR	185 U	308	NR
Thallium	NS	NS	NR	NR	0.74 U	0.076 J	NR
Vanadium	NS	NS	NR	NR	11.9	16.9	NR
Zinc	**109**	10,000	NR	NR	40.8	94.2	NR

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-16_8-10_20220614	RI-SB-16_10-12_20220614	RI-SB-X01_20220614	RI-SB-17_0-2_20220614	RI-SB-17_12-14_20220614
		Laboratory Sample ID	460-260103-9	460-260103-10	460-260103-11	460-260103-5	460-260103-6
		Date Sampled	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
		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	7,150	11,500	11,300	6,190	6,370
Antimony	NS	NS	0.8 J	1 U	1.1 U	5.7	1 U
Arsenic	**13**	16	6.8	7	9	9	3.6
Barium	**350**	400	51.9	23.9	23.7	127	14.3
Beryllium	7.2	72	0.33 J	0.62	0.62	0.34	0.32 J
Cadmium	**2.5**	4.3	0.86 U	0.12 J	0.12 J	1.8	1 U
Calcium	NS	NS	7,510	2,500	2,420	32,600	1,040
Chromium, Hexavalent	1	110	2.1 U	2.5 UJ	2.7 UJ	2 UJ	2.6 UJ
Chromium, Total	NS	NS	51.1	22.3	22.4	31.3	11.4
Cobalt	NS	NS	4.3	7.3	7.6	9.3	3.8
Copper	**50**	270	42.4	10.6	10.6	**434**	5.1
Cyanide	**27**	27	0.25 U	0.38	0.3 U	0.69	0.33 U
Iron	NS	NS	12,200	25,500	28,600	26,900	15,000
Lead	**63**	400	55	10.7	10.4	**411**	4.9
Magnesium	NS	NS	3,080	4,990	4,950	4,810	2,740
Manganese	1,600	2,000	247	288	358	553	150
Mercury	**0.18**	0.81	**0.55**	0.021	0.023	**0.55**	0.017 J
Nickel	**30**	310	15.1	19.7	19.9	**124**	11.9
Potassium	NS	NS	1,250	2,290	2,280	949	1,080
Selenium	**3.9**	180	0.48 J	0.26 J	0.27 J	0.34 J	0.15 J
Silver	**2**	180	0.083 J	0.4 U	0.43 U	0.34	0.4 U
Sodium	NS	NS	136	232	236	424	103
Thallium	NS	NS	0.11 J	0.13 J	0.12 J	0.1 J	0.083 J
Vanadium	NS	NS	19.6	26.2	27.9	28.3	13.3
Zinc	**109**	10,000	62.1	54.3	55.5	**620**	27.1

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SB-17_15-17_20220614	RI-SB-17_15-17_20220614	RI-SB-17_15-17_20220614	RI-SED-01_20220801	RI-SED-02_20220801
		Laboratory Sample ID	460-260103-7	460-260103-7	460-260103-7	460-263026-4	460-263026-5
		Date Sampled	6/14/2022	6/14/2022	6/14/2022	8/01/2022	8/01/2022
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Dilution Factor	1	2	5	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	5,460	NR	NR	10,900	7,580
Antimony	NS	NS	1.3	NR	NR	1.8	7.5
Arsenic	**13**	16	11.1	NR	NR	6.2	**16.9**
Barium	**350**	400	73.2	NR	NR	279	**428**
Beryllium	7.2	72	0.42	NR	NR	0.31 J	0.31 J
Cadmium	**2.5**	4.3	0.2 J	NR	NR	2	**11.1**
Calcium	NS	NS	NR	51,300	NR	22,500	35,200
Chromium, Hexavalent	1	110	2.4 U	NR	NR	3.5 U	3.5 U
Chromium, Total	NS	NS	13.6	NR	NR	107	174
Cobalt	NS	NS	4.6	NR	NR	8	15.4
Copper	**50**	270	**60.2**	NR	NR	**169**	**313**
Cyanide	**27**	27	1.1	NR	NR	0.92	1.1
Iron	NS	NS	12,900	NR	NR	16,600	NR
Lead	**63**	400	**201**	NR	NR	**307**	**1,020**
Magnesium	NS	NS	4,390	NR	NR	8,440	21,400
Manganese	1,600	2,000	209	NR	NR	333	618
Mercury	**0.18**	0.81	NR	NR	**1.9**	0.13	**0.74**
Nickel	**30**	310	15.8	NR	NR	**53.7**	**98.3**
Potassium	NS	NS	999	NR	NR	2,420	794
Selenium	**3.9**	180	0.59 J	NR	NR	0.43 J	0.69 J
Silver	**2**	180	0.16 J	NR	NR	0.31 J	0.61
Sodium	NS	NS	255	NR	NR	220	213
Thallium	NS	NS	0.12 J	NR	NR	0.079 J	0.073 J
Vanadium	NS	NS	14.8	NR	NR	20.2	50.6
Zinc	**109**	10,000	**116**	NR	NR	**2,180**	**2,480**

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	RI-SED-02_20220801	FB-01_20220613	FB-01_20220614	FB-01_20220616
		Laboratory Sample ID	460-263026-5	460-260026-16	460-260103-12	460-260250-8
		Date Sampled	8/01/2022	6/13/2022	6/14/2022	6/16/2022
		Unit	mg/kg	µg/L	µg/L	µg/L
		Dilution Factor	5	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	29.5 J	40 U	40 U
Antimony	NS	NS	NR	2 U	2 U	2 U
Arsenic	**13**	16	NR	2 U	2 U	2 U
Barium	**350**	400	NR	4 U	4 U	4 U
Beryllium	7.2	72	NR	0.8 U	0.8 U	0.8 U
Cadmium	**2.5**	4.3	NR	2 U	2 U	2 U
Calcium	NS	NS	NR	500 U	500 U	500 U
Chromium, Hexavalent	1	110	NR	10 U	10 U	10 UJ
Chromium, Total	NS	NS	NR	4 U	4 U	4 U
Cobalt	NS	NS	NR	4 U	4 U	4 U
Copper	**50**	270	NR	4 U	4 U	4 U
Cyanide	**27**	27	NR	10 U	10 U	10 U
Iron	NS	NS	107,000	120 U	120 U	120 U
Lead	**63**	400	NR	1.2 U	1.2 U	1.2 U
Magnesium	NS	NS	NR	200 U	200 U	200 U
Manganese	1,600	2,000	NR	8 U	8 U	8 U
Mercury	**0.18**	0.81	NR	0.2 U	0.2 U	0.2 U
Nickel	**30**	310	NR	4 U	4 U	4 U
Potassium	NS	NS	NR	200 U	200 U	200 U
Selenium	**3.9**	180	NR	2.5 U	2.5 U	2.5 U
Silver	**2**	180	NR	2 U	2 U	2 U
Sodium	NS	NS	NR	500 U	500 U	500 U
Thallium	NS	NS	NR	0.8 U	0.8 U	0.8 U
Vanadium	NS	NS	NR	4 U	4 U	4 U
Zinc	**109**	10,000	NR	16 U	16 U	16 U

Table 2C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	FB-01_20220617	FB-02_20220617
		Laboratory Sample ID	460-260418-37	460-260418-38
		Date Sampled	6/17/2022	6/17/2022
		Unit	µg/L	µg/L
		Dilution Factor	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q
Aluminum	NS	NS	NR	NR
Antimony	NS	NS	NR	NR
Arsenic	**13**	16	NR	NR
Barium	**350**	400	NR	NR
Beryllium	7.2	72	NR	NR
Cadmium	**2.5**	4.3	NR	NR
Calcium	NS	NS	NR	NR
Chromium, Hexavalent	1	110	NR	NR
Chromium, Total	NS	NS	NR	NR
Cobalt	NS	NS	NR	NR
Copper	**50**	270	NR	NR
Cyanide	**27**	27	NR	NR
Iron	NS	NS	NR	NR
Lead	**63**	400	1.2 U	1.2 U
Magnesium	NS	NS	NR	NR
Manganese	1,600	2,000	NR	NR
Mercury	**0.18**	0.81	NR	NR
Nickel	**30**	310	NR	NR
Potassium	NS	NS	NR	NR
Selenium	**3.9**	180	NR	NR
Silver	**2**	180	NR	NR
Sodium	NS	NS	NR	NR
Thallium	NS	NS	NR	NR
Vanadium	NS	NS	NR	NR
Zinc	**109**	10,000	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-01_0-2_20220613	RI-SB-01_6-8_20220613	RI-SB-X01_20220613	RI-SB-02_0-0.2_20220613	RI-SB-02_0-2_20220613	RI-SB-02_0-2_20220613
	Laboratory Sample ID	460-260026-7	460-260026-8	460-260026-10	460-260026-11	460-260026-12	460-260026-12
	Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	10	10	10	1	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	NR	0.0171 J	NR	0.02 U	NR	0.02 U
Chromium, Total	5	NR	NR	NR	NR	NR	NR
Lead	**5**	0.0133 J	0.333	2.37 J	0.0189	NR	0.0383
Mercury	0.2	NR	NR	NR	NR	0.0002 UJ	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-02_7-9_20220613	RI-SB-03_0-2_20220615	RI-SB-03_7-9_20220615	RI-SB-04_6-8_20220620	RI-SB-04_6-8_20220620	RI-SB-05_10-12_20220620
	Laboratory Sample ID	460-260026-13	460-260169-5	460-260169-6	460-260471-2	460-260471-2	460-260471-5
	Date Sampled	6/13/2022	6/15/2022	6/15/2022	6/20/2022	6/20/2022	6/20/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	10	10	1	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	NR	NR	NR	NR	NR	NR
Chromium, Total	5	NR	NR	NR	NR	NR	NR
Lead	**5**	0.125 J	0.0275	0.154	NR	0.21	0.0347
Mercury	0.2	NR	NR	NR	0.0011	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-06_6-8_20220616	RI-SB-X01_20220616	RI-SB-X01_20220616	RI-SB-08_0-2_20220615	RI-SB-08_7-9_20220615	RI-SB-09_3-4_20220617
	Laboratory Sample ID	460-260250-6	460-260250-4	460-260250-4	460-260169-9	460-260169-10	460-260418-1
	Date Sampled	6/16/2022	6/16/2022	6/16/2022	6/15/2022	6/15/2022	6/17/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	1	10	10	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	0.02 U	NR	NR	NR	NR	NR
Chromium, Total	5	NR	NR	NR	NR	NR	NR
Lead	**5**	NR	NR	0.011 J	0.0236	0.0176	0.0166 J
Mercury	0.2	NR	0.0002 U	NR	NR	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-09_5-6_20220617	RI-SB-09_9-10_20220617	RI-SB-09_10-12_20220617	RI-SB-09_11-12_20220617	RI-SB-09-E3_5-6_20220729	RI-SB-09-E3_7-8_20220729
	Laboratory Sample ID	460-260418-2	460-260418-3	460-260400-3	460-260418-4	460-262866-7	460-262866-8
	Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	7/29/2022	7/29/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	10	10	10	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	NR	NR	NR	NR	NR	NR
Chromium, Total	5	NR	NR	NR	NR	NR	NR
Lead	**5**	0.415 J	0.163 J	0.0735	0.0191 J	0.012 U	0.0156
Mercury	0.2	NR	NR	NR	NR	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-09-E3_9-10_20220729	RI-SB-09-N3_5-6_20220729	RI-SB-09-N3_7-8_20220729	RI-SB-09-N3_9-10_20220729	RI-SB-09-W3_5-6_20220729	RI-SB-09-W3_7-8_20220729
	Laboratory Sample ID	460-262866-9	460-262866-13	460-262866-14	460-262866-15	460-262866-10	460-262866-11
	Date Sampled	7/29/2022	7/29/2022	7/29/2022	7/29/2022	7/29/2022	7/29/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	10	10	10	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	NR	NR	NR	NR	NR	NR
Chromium, Total	5	NR	NR	NR	NR	NR	NR
Lead	**5**	0.131	2.05	**8.31**	0.012 U	1.58	0.274
Mercury	0.2	NR	NR	NR	NR	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-09-W3_9-10_20220729	RI-SB-09E1_3-5_20220617	RI-SB-X01_20220617	RI-SB-09E1_5-6_20220617	RI-SB-09E1_7-8_20220617	RI-SB-09E1_9-10_20220617
	Laboratory Sample ID	460-262866-12	460-260418-5	460-260418-10	460-260418-6	460-260418-7	460-260418-8
	Date Sampled	7/29/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	10	10	10	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	NR	NR	NR	NR	NR	NR
Chromium, Total	5	NR	NR	NR	NR	NR	NR
Lead	**5**	0.0205	0.0583 J	0.0755 J	0.187 J	1.31 J	0.0213 J
Mercury	0.2	NR	NR	NR	NR	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-09E1_11-12_20220617	RI-SB-09E2_3-5_20220617	RI-SB-09E2_5-6_20220617	RI-SB-09E2_7-8_20220617	RI-SB-09E2_9-10_20220617	RI-SB-09E2_11-12_20220617
	Laboratory Sample ID	460-260418-9	460-260418-11	460-260418-12	460-260418-13	460-260418-14	460-260418-15
	Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	10	10	10	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	NR	NR	NR	NR	NR	NR
Chromium, Total	5	NR	NR	NR	NR	NR	NR
Lead	**5**	0.012 UJ	0.0359 J	0.123 J	**48.8 J**	0.012 UJ	0.174 J
Mercury	0.2	NR	NR	NR	NR	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-09N1_3-5_20220617	RI-SB-09N1_5-6_20220617	RI-SB-09N1_7-8_20220617	RI-SB-09N1_9-10_20220617	RI-SB-09N1_11-12_20220617	RI-SB-09N2_3-5_20220617
	Laboratory Sample ID	460-260418-16	460-260418-17	460-260418-18	460-260418-19	460-260418-20	460-260418-21
	Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	10	10	10	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	NR	NR	NR	NR	NR	NR
Chromium, Total	5	NR	NR	NR	NR	NR	NR
Lead	**5**	0.0913 J	1.61 J	**93.8 J**	1.1 J	0.141 J	0.0862 J
Mercury	0.2	NR	NR	NR	NR	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-09N2_5-6_20220617	RI-SB-09N2_7-8_20220617	RI-SB-09N2_9-10_20220617	RI-SB-09N2_11-12_20220617	RI-SB-09W1_3-5_20220617	RI-SB-X02_20220617
	Laboratory Sample ID	460-260418-22	460-260418-23	460-260418-24	460-260418-25	460-260418-26	460-260418-31
	Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	10	10	10	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	NR	NR	NR	NR	NR	NR
Chromium, Total	5	NR	NR	NR	NR	NR	NR
Lead	**5**	**46.4 J**	0.388 J	0.0685 J	0.0432 J	0.146	0.0562
Mercury	0.2	NR	NR	NR	NR	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-09W1_5-6_20220617	RI-SB-09W1_7-8_20220617	RI-SB-09W1_9-10_20220617	RI-SB-09W1_11-12_20220617	RI-SB-09W2_3-5_20220617	RI-SB-09W2_5-6_20220617
	Laboratory Sample ID	460-260418-27	460-260418-28	460-260418-29	460-260418-30	460-260418-32	460-260418-33
	Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022	6/17/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	10	10	10	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	NR	NR	NR	NR	NR	NR
Chromium, Total	5	NR	NR	NR	NR	NR	NR
Lead	**5**	0.246 J	0.263 J	0.193 J	0.141 J	0.0368 J	0.0384 J
Mercury	0.2	NR	NR	NR	NR	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-09W2_7-8_20220617	RI-SB-09W2_9-10_20220617	RI-SB-09W2_11-12_20220617	RI-SB-10_0-2_20220616	RI-SB-10_11-13_20220616	RI-SB-11_0-2_20220615
	Laboratory Sample ID	460-260418-34	460-260418-35	460-260418-36	460-260250-10	460-260250-11	460-260169-12
	Date Sampled	6/17/2022	6/17/2022	6/17/2022	6/16/2022	6/16/2022	6/15/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	10	10	10	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	NR	NR	NR	0.0352	NR	NR
Chromium, Total	5	NR	NR	NR	NR	NR	NR
Lead	**5**	**7.6 J**	0.289 J	0.0774 J	NR	0.121 J	0.494
Mercury	0.2	NR	NR	NR	NR	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-12_0-0.2_20220615	RI-SB-12_0-2_20220615	RI-SB-12_8-10_20220615	RI-SB-13_8-10_20220614	RI-SB-14_6-8_20220613	RI-SB-15_3-5_20220613
	Laboratory Sample ID	460-260169-1	460-260169-2	460-260169-3	460-260103-3	460-260026-5	460-260026-2
	Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/14/2022	6/13/2022	6/13/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	10	10	1	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	0.0094 J	NR	NR	NR	NR	NR
Chromium, Total	5	NR	NR	NR	NR	NR	NR
Lead	**5**	0.0464	0.012 U	0.595	NR	0.0283	0.0104 J
Mercury	0.2	NR	NR	NR	0.0002 U	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	RI-SB-16_0-2_20220614	RI-SB-17_0-2_20220614	RI-SB-17_15-17_20220614	RI-SED-01_20220801	RI-SED-02_20220801
	Laboratory Sample ID	460-260103-8	460-260103-5	460-260103-7	460-263026-4	460-263026-5
	Date Sampled	6/14/2022	6/14/2022	6/14/2022	8/01/2022	8/01/2022
	Unit	mg/l	mg/l	mg/l	mg/l	mg/l
	Dilution Factor	10	10	10	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	5	NR	NR	NR	NR	NR
Chromium, Total	5	NR	NR	NR	0.04 U	0.04 U
Lead	**5**	0.0264	0.103	0.0264	0.131	0.515
Mercury	0.2	NR	NR	NR	NR	NR

Table 2D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Metals

	AKRF Sample ID	FB-01_20220617	FB-02_20220617
	Laboratory Sample ID	460-260418-37	460-260418-38
	Date Sampled	6/17/2022	6/17/2022
	Unit	mg/l	mg/l
	Dilution Factor	10	10
Compound	**EPA Hazardous Waste Criteria**	CONC Q	CONC Q
Arsenic	5	NR	NR
Chromium, Total	5	NR	NR
Lead	**5**	0.012 U	0.012 U
Mercury	0.2	NR	NR

Table 2E
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	RI-SB-01_0-2_20220613	RI-SB-01_6-8_20220613	RI-SB-X01_20220613	RI-SB-01_12-14_20220613	RI-SB-02_0-0.2_20220613
		Laboratory Sample ID	460-260026-7	460-260026-8	460-260026-10	460-260026-9	460-260026-11
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
		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
PCB-1016 (Aroclor 1016)	NS	NS	0.075 U	0.082 U	0.096 U	0.11 U	0.079 U
PCB-1221 (Aroclor 1221)	NS	NS	0.075 U	0.082 U	0.096 U	0.11 U	0.079 U
PCB-1232 (Aroclor 1232)	NS	NS	0.075 U	0.082 U	0.096 U	0.11 U	0.079 U
PCB-1242 (Aroclor 1242)	NS	NS	0.075 U	0.082 U	0.096 U	0.11 U	0.079 U
PCB-1248 (Aroclor 1248)	NS	NS	0.075 U	0.082 U	0.096 U	0.11 U	0.079 U
PCB-1254 (Aroclor 1254)	NS	NS	0.075 U	0.082 U	0.096 U	0.11 U	0.079 U
PCB-1260 (Aroclor 1260)	NS	NS	0.075 U	0.082 U	0.096 U	0.11 U	0.079 U
PCB-1262 (Aroclor 1262)	NS	NS	0.075 U	0.082 U	0.096 U	0.11 U	0.079 U
PCB-1268 (Aroclor 1268)	NS	NS	0.075 U	0.082 U	0.096 U	0.11 U	0.079 U
Total PCBs	**0.1**	1	0.075 U	0.082 U	0.096 U	0.11 U	0.079 U

Table 2E
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	RI-SB-02_0-2_20220613	RI-SB-02_7-9_20220613	RI-SB-02_9-11_20220613	RI-SB-03_0-2_20220615	RI-SB-03_7-9_20220615
		Laboratory Sample ID	460-260026-12	460-260026-13	460-260026-14	460-260169-5	460-260169-6
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/15/2022	6/15/2022
		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
PCB-1016 (Aroclor 1016)	NS	NS	0.084 U	0.076 U	0.085 U	0.08 U	0.091 U
PCB-1221 (Aroclor 1221)	NS	NS	0.084 U	0.076 U	0.085 U	0.08 U	0.091 U
PCB-1232 (Aroclor 1232)	NS	NS	0.084 U	0.076 U	0.085 U	0.08 U	0.091 U
PCB-1242 (Aroclor 1242)	NS	NS	0.084 U	0.076 U	0.085 U	0.08 U	0.091 U
PCB-1248 (Aroclor 1248)	NS	NS	0.084 U	0.076 U	0.085 U	0.08 U	0.091 U
PCB-1254 (Aroclor 1254)	NS	NS	0.084 U	0.076 U	0.085 U	0.08 U	0.091 U
PCB-1260 (Aroclor 1260)	NS	NS	0.084 U	0.076 U	0.085 U	0.46	0.091 U
PCB-1262 (Aroclor 1262)	NS	NS	0.084 U	0.076 U	0.085 U	0.08 U	0.091 U
PCB-1268 (Aroclor 1268)	NS	NS	0.084 U	0.076 U	0.085 U	0.08 U	0.091 U
Total PCBs	**0.1**	1	0.084 U	0.076 U	0.085 U	**0.46**	0.091 U

Table 2E
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	RI-SB-03_13-15_20220615	RI-SB-04_0-2_20220620	RI-SB-04_6-8_20220620	RI-SB-04_10-12_20220620	RI-SB-05_0-2_20220620
		Laboratory Sample ID	460-260169-7	460-260471-1	460-260471-2	460-260471-3	460-260471-4
		Date Sampled	6/15/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022
		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
PCB-1016 (Aroclor 1016)	NS	NS	0.081 U	0.087 U	0.08 U	0.092 U	0.078 U
PCB-1221 (Aroclor 1221)	NS	NS	0.081 U	0.087 U	0.08 U	0.092 U	0.078 U
PCB-1232 (Aroclor 1232)	NS	NS	0.081 U	0.087 U	0.08 U	0.092 U	0.078 U
PCB-1242 (Aroclor 1242)	NS	NS	0.081 U	0.087 U	0.08 U	0.092 U	0.078 U
PCB-1248 (Aroclor 1248)	NS	NS	0.081 U	0.087 U	0.08 U	0.092 U	0.078 U
PCB-1254 (Aroclor 1254)	NS	NS	0.081 U	0.087 U	0.08 U	0.092 U	0.078 U
PCB-1260 (Aroclor 1260)	NS	NS	0.081 U	0.087 U	0.08 U	0.092 U	0.078 U
PCB-1262 (Aroclor 1262)	NS	NS	0.081 U	0.087 U	0.08 U	0.092 U	0.078 U
PCB-1268 (Aroclor 1268)	NS	NS	0.081 U	0.087 U	0.08 U	0.092 U	0.078 U
Total PCBs	**0.1**	1	0.081 U	0.087 U	0.08 U	0.092 U	0.078 U

Table 2E
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	RI-SB-05_10-12_20220620	RI-SB-05_12-14_20220620	RI-SB-06_0-2_20220616	RI-SB-06_6-8_20220616	RI-SB-06_12-14_20220616
		Laboratory Sample ID	460-260471-5	460-260471-6	460-260250-5	460-260250-6	460-260250-7
		Date Sampled	6/20/2022	6/20/2022	6/16/2022	6/16/2022	6/16/2022
		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
PCB-1016 (Aroclor 1016)	NS	NS	0.084 U	0.14 U	0.085 U	0.093 U	0.22 U
PCB-1221 (Aroclor 1221)	NS	NS	0.084 U	0.14 U	0.085 U	0.093 U	0.22 U
PCB-1232 (Aroclor 1232)	NS	NS	0.084 U	0.14 U	0.085 U	0.093 U	0.22 U
PCB-1242 (Aroclor 1242)	NS	NS	0.084 U	0.14 U	0.085 U	0.093 U	0.22 U
PCB-1248 (Aroclor 1248)	NS	NS	0.084 U	0.14 U	0.085 U	0.093 U	0.22 U
PCB-1254 (Aroclor 1254)	NS	NS	0.084 U	0.14 U	0.085 U	0.093 U	0.22 U
PCB-1260 (Aroclor 1260)	NS	NS	0.084 U	0.14 U	0.085 U	0.093 U	0.22 U
PCB-1262 (Aroclor 1262)	NS	NS	0.084 U	0.14 U	0.085 U	0.093 U	0.22 U
PCB-1268 (Aroclor 1268)	NS	NS	0.084 U	0.14 U	0.085 U	0.093 U	0.22 U
Total PCBs	**0.1**	1	0.084 U	0.14 U	0.085 U	0.093 U	0.22 U

Table 2E
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Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	RI-SB-07_0-2_20220616	RI-SB-X01_20220616	RI-SB-07_8-10_20220616	RI-SB-07_14-16_20220616	RI-SB-08_0-0.2_20220615
		Laboratory Sample ID	460-260250-1	460-260250-4	460-260250-2	460-260250-3	460-260169-8
		Date Sampled	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/15/2022
		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
PCB-1016 (Aroclor 1016)	NS	NS	0.076 U	0.084 U	0.088 U	0.082 U	0.08 U
PCB-1221 (Aroclor 1221)	NS	NS	0.076 U	0.084 U	0.088 U	0.082 U	0.08 U
PCB-1232 (Aroclor 1232)	NS	NS	0.076 U	0.084 U	0.088 U	0.082 U	0.08 U
PCB-1242 (Aroclor 1242)	NS	NS	0.076 U	0.084 U	0.088 U	0.082 U	0.08 U
PCB-1248 (Aroclor 1248)	NS	NS	0.076 U	0.084 U	0.088 U	0.082 U	0.08 U
PCB-1254 (Aroclor 1254)	NS	NS	0.076 U	0.084 U	0.088 U	0.082 U	0.08 U
PCB-1260 (Aroclor 1260)	NS	NS	0.076 U	0.084 U	0.088 U	0.082 U	0.08 U
PCB-1262 (Aroclor 1262)	NS	NS	0.076 U	0.084 U	0.088 U	0.082 U	0.08 U
PCB-1268 (Aroclor 1268)	NS	NS	0.076 U	0.084 U	0.088 U	0.082 U	0.08 U
Total PCBs	**0.1**	1	0.076 U	0.084 U	0.088 U	0.082 U	0.08 U

Table 2E
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Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	RI-SB-08_0-2_20220615	RI-SB-08_7-9_20220615	RI-SB-08_18-20_20220615	RI-SB-09_0-2_20220617	RI-SB-09_3-5_20220617
		Laboratory Sample ID	460-260169-9	460-260169-10	460-260169-11	460-260400-1	460-260400-2
		Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/17/2022	6/17/2022
		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
PCB-1016 (Aroclor 1016)	NS	NS	0.088 U	0.077 U	0.086 U	0.12 U	0.11 U
PCB-1221 (Aroclor 1221)	NS	NS	0.088 U	0.077 U	0.086 U	0.12 U	0.11 U
PCB-1232 (Aroclor 1232)	NS	NS	0.088 U	0.077 U	0.086 U	0.12 U	0.11 U
PCB-1242 (Aroclor 1242)	NS	NS	0.088 U	0.077 U	0.086 U	0.12 U	0.11 U
PCB-1248 (Aroclor 1248)	NS	NS	0.088 U	0.077 U	0.086 U	0.12 U	0.11 U
PCB-1254 (Aroclor 1254)	NS	NS	0.088 U	0.077 U	0.086 U	0.071 J	0.11 U
PCB-1260 (Aroclor 1260)	NS	NS	0.088 U	0.077 U	0.086 U	0.12 U	0.11 U
PCB-1262 (Aroclor 1262)	NS	NS	0.088 U	0.077 U	0.086 U	0.12 U	0.11 U
PCB-1268 (Aroclor 1268)	NS	NS	0.088 U	0.077 U	0.086 U	0.12 U	0.11 U
Total PCBs	**0.1**	1	0.088 U	0.077 U	0.086 U	0.071 J	0.11 U

Table 2E
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46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	RI-SB-09_10-12_20220617	RI-SB-10_0-2_20220616	RI-SB-10_11-13_20220616	RI-SB-10_14-16_20220616	RI-SB-11_0-2_20220615
		Laboratory Sample ID	460-260400-3	460-260250-10	460-260250-11	460-260250-12	460-260169-12
		Date Sampled	6/17/2022	6/16/2022	6/16/2022	6/16/2022	6/15/2022
		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
PCB-1016 (Aroclor 1016)	NS	NS	0.075 U	0.075 U	0.08 U	0.078 U	0.085 U
PCB-1221 (Aroclor 1221)	NS	NS	0.075 U	0.075 U	0.08 U	0.078 U	0.085 U
PCB-1232 (Aroclor 1232)	NS	NS	0.075 U	0.075 U	0.08 U	0.078 U	0.085 U
PCB-1242 (Aroclor 1242)	NS	NS	0.075 U	0.075 U	0.08 U	0.078 U	0.085 U
PCB-1248 (Aroclor 1248)	NS	NS	0.075 U	0.075 U	0.08 U	0.078 U	0.085 U
PCB-1254 (Aroclor 1254)	NS	NS	0.075 U	0.075 U	0.08 U	0.078 U	0.065 J
PCB-1260 (Aroclor 1260)	NS	NS	0.075 U	0.075 U	0.08 U	0.078 U	0.085 U
PCB-1262 (Aroclor 1262)	NS	NS	0.075 U	0.075 U	0.08 U	0.078 U	0.085 U
PCB-1268 (Aroclor 1268)	NS	NS	0.075 U	0.075 U	0.08 U	0.078 U	0.085 U
Total PCBs	**0.1**	1	0.075 U	0.075 U	0.08 U	0.078 U	0.065 J

Table 2E
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46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	RI-SB-11_8-10_20220615	RI-SB-11_13-15_20220615	RI-SB-12_0-0.2_20220615	RI-SB-12_0-2_20220615	RI-SB-12_8-10_20220615
		Laboratory Sample ID	460-260169-13	460-260169-14	460-260169-1	460-260169-2	460-260169-3
		Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/15/2022	6/15/2022
		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
PCB-1016 (Aroclor 1016)	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U
PCB-1221 (Aroclor 1221)	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U
PCB-1232 (Aroclor 1232)	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U
PCB-1242 (Aroclor 1242)	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U
PCB-1248 (Aroclor 1248)	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U
PCB-1254 (Aroclor 1254)	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U
PCB-1260 (Aroclor 1260)	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U
PCB-1262 (Aroclor 1262)	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U
PCB-1268 (Aroclor 1268)	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U
Total PCBs	**0.1**	1	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U

Table 2E
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Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	RI-SB-12_12-14_20220615	RI-SB-13_0-.2_20220614	RI-SB-13_0-2_20220614	RI-SB-13_8-10_20220614	RI-SB-13_10-12_20220614
		Laboratory Sample ID	460-260169-4	460-260103-1	460-260103-2	460-260103-3	460-260103-4
		Date Sampled	6/15/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
		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
PCB-1016 (Aroclor 1016)	NS	NS	0.12 U	0.074 U	0.068 U	0.077 U	0.097 U
PCB-1221 (Aroclor 1221)	NS	NS	0.12 U	0.074 U	0.068 U	0.077 U	0.097 U
PCB-1232 (Aroclor 1232)	NS	NS	0.12 U	0.074 U	0.068 U	0.077 U	0.097 U
PCB-1242 (Aroclor 1242)	NS	NS	0.12 U	0.074 U	0.068 U	0.077 U	0.097 U
PCB-1248 (Aroclor 1248)	NS	NS	0.12 U	0.074 U	0.068 U	0.077 U	0.097 U
PCB-1254 (Aroclor 1254)	NS	NS	0.12 U	0.074 U	0.068 U	0.077 U	0.097 U
PCB-1260 (Aroclor 1260)	NS	NS	0.12 U	0.074 U	0.068 U	0.077 U	0.097 U
PCB-1262 (Aroclor 1262)	NS	NS	0.12 U	0.074 U	0.068 U	0.077 U	0.097 U
PCB-1268 (Aroclor 1268)	NS	NS	0.12 U	0.074 U	0.068 U	0.077 U	0.097 U
Total PCBs	**0.1**	1	0.12 U	0.074 U	0.068 U	0.077 U	0.097 U

Table 2E
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46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	RI-SB-14_0-2_20220613	RI-SB-14_6-8_20220613	RI-SB-14_12-14_20220613	RI-SB-15_0-2_20220613	RI-SB-15_3-5_20220613
		Laboratory Sample ID	460-260026-4	460-260026-5	460-260026-6	460-260026-1	460-260026-2
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
		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
PCB-1016 (Aroclor 1016)	NS	NS	0.074 U	0.081 U	0.1 U	0.076 U	0.076 U
PCB-1221 (Aroclor 1221)	NS	NS	0.074 U	0.081 U	0.1 U	0.076 U	0.076 U
PCB-1232 (Aroclor 1232)	NS	NS	0.074 U	0.081 U	0.1 U	0.076 U	0.076 U
PCB-1242 (Aroclor 1242)	NS	NS	0.074 U	0.081 U	0.1 U	0.076 U	0.076 U
PCB-1248 (Aroclor 1248)	NS	NS	0.074 U	0.081 U	0.1 U	0.076 U	0.076 U
PCB-1254 (Aroclor 1254)	NS	NS	0.074 U	0.081 U	0.1 U	0.076 U	0.076 U
PCB-1260 (Aroclor 1260)	NS	NS	0.074 U	0.081 U	0.1 U	0.076 U	0.076 U
PCB-1262 (Aroclor 1262)	NS	NS	0.074 U	0.081 U	0.1 U	0.076 U	0.076 U
PCB-1268 (Aroclor 1268)	NS	NS	0.074 U	0.081 U	0.1 U	0.076 U	0.076 U
Total PCBs	**0.1**	1	0.074 U	0.081 U	0.1 U	0.076 U	0.076 U

Table 2E
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	RI-SB-15_7-9_20220613	RI-SB-16_0-2_20220614	RI-SB-16_8-10_20220614	RI-SB-16_10-12_20220614	RI-SB-X01_20220614
		Laboratory Sample ID	460-260026-3	460-260103-8	460-260103-9	460-260103-10	460-260103-11
		Date Sampled	6/13/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
		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
PCB-1016 (Aroclor 1016)	NS	NS	0.081 U	0.072 U	0.071 U	0.084 U	0.09 U
PCB-1221 (Aroclor 1221)	NS	NS	0.081 U	0.072 U	0.071 U	0.084 U	0.09 U
PCB-1232 (Aroclor 1232)	NS	NS	0.081 U	0.072 U	0.071 U	0.084 U	0.09 U
PCB-1242 (Aroclor 1242)	NS	NS	0.081 U	0.072 U	0.071 U	0.084 U	0.09 U
PCB-1248 (Aroclor 1248)	NS	NS	0.081 U	0.072 U	0.071 U	0.084 U	0.09 U
PCB-1254 (Aroclor 1254)	NS	NS	0.081 U	0.072 U	0.071 U	0.084 U	0.09 U
PCB-1260 (Aroclor 1260)	NS	NS	0.081 U	0.072 U	0.071 U	0.084 U	0.09 U
PCB-1262 (Aroclor 1262)	NS	NS	0.081 U	0.072 U	0.071 U	0.084 U	0.09 U
PCB-1268 (Aroclor 1268)	NS	NS	0.081 U	0.072 U	0.071 U	0.084 U	0.09 U
Total PCBs	**0.1**	1	0.081 U	0.072 U	0.071 U	0.084 U	0.09 U

Table 2E
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Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	RI-SB-17_0-2_20220614	RI-SB-17_12-14_20220614	RI-SB-17_15-17_20220614	RI-SED-01_20220801	RI-SED-02_20220801
		Laboratory Sample ID	460-260103-5	460-260103-6	460-260103-7	460-263026-4	460-263026-5
		Date Sampled	6/14/2022	6/14/2022	6/14/2022	8/01/2022	8/01/2022
		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
PCB-1016 (Aroclor 1016)	NS	NS	0.07 U	0.091 U	0.082 U	0.12 U	0.12 U
PCB-1221 (Aroclor 1221)	NS	NS	0.07 U	0.091 U	0.082 U	0.12 U	0.12 U
PCB-1232 (Aroclor 1232)	NS	NS	0.07 U	0.091 U	0.082 U	0.12 U	0.12 U
PCB-1242 (Aroclor 1242)	NS	NS	0.07 U	0.091 U	0.082 U	0.12 U	0.12 U
PCB-1248 (Aroclor 1248)	NS	NS	0.07 U	0.091 U	0.082 U	0.12 U	0.12 U
PCB-1254 (Aroclor 1254)	NS	NS	0.07 U	0.091 U	0.082 U	0.12 U	1.1
PCB-1260 (Aroclor 1260)	NS	NS	0.07 U	0.091 U	0.082 U	0.12 U	0.12 U
PCB-1262 (Aroclor 1262)	NS	NS	0.07 U	0.091 U	0.082 U	0.12 U	0.12 U
PCB-1268 (Aroclor 1268)	NS	NS	0.07 U	0.091 U	0.082 U	0.12 U	0.12 U
Total PCBs	**0.1**	1	0.07 U	0.091 U	0.082 U	0.12 U	**1.1**

Table 2E
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

		AKRF Sample ID	FB-01_20220613	FB-01_20220614	FB-01_20220616
		Laboratory Sample ID	460-260026-16	460-260103-12	460-260250-8
		Date Sampled	6/13/2022	6/14/2022	6/16/2022
		Unit	µg/L	µg/L	µg/L
		Dilution Factor	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.4 U	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	NS	NS	0.4 U	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	NS	NS	0.4 U	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	NS	NS	0.4 U	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	NS	NS	0.4 U	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	NS	NS	0.4 U	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	NS	NS	0.4 U	0.4 U	0.4 U
PCB-1262 (Aroclor 1262)	NS	NS	0.4 U	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	NS	NS	0.4 U	0.4 U	0.4 U
Total PCBs	**0.1**	1	0.4 U	0.4 U	0.4 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	RI-SB-01_0-2_20220613	RI-SB-01_6-8_20220613	RI-SB-X01_20220613	RI-SB-01_12-14_20220613	RI-SB-02_0-0.2_20220613
		Laboratory Sample ID	460-260026-7	460-260026-8	460-260026-10	460-260026-9	460-260026-11
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
		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
Aldrin	0.005	0.097	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0023 U	0.0024 U	0.0029 U	0.0034 U	0.0024 U
Alpha Endosulfan	NS	NS	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0023 U	0.0024 U	0.0029 U	0.0034 U	0.0024 U
Beta Endosulfan	NS	NS	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
cis-Chlordane	0.094	4.2	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0023 U	0.0024 U	0.0029 U	0.0034 U	0.0024 U
Dieldrin	0.005	0.2	0.0023 U	0.0024 U	0.0029 U	0.0034 U	0.0024 U
Endosulfan Sulfate	NS	NS	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
Endrin Aldehyde	NS	NS	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
Endrin Ketone	NS	NS	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
Gamma Bhc (Lindane)	0.1	1.3	0.0023 U	0.0024 U	0.0029 U	0.0034 U	0.0024 U
Heptachlor	0.042	2.1	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
Heptachlor Epoxide	NS	NS	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
Methoxychlor	NS	NS	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
P,P'-DDD	0.0033	13	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
P,P'-DDE	0.0033	8.9	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
P,P'-DDT	**0.0033**	7.9	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U
Silvex (2,4,5-TP)	3.8	100	0.038 U	0.041 U	0.048 U	0.056 U	0.039 U
Toxaphene	NS	NS	0.075 U	0.082 U	0.096 U	0.11 U	0.079 U
trans-Chlordane	NS	NS	0.0075 U	0.0082 U	0.0096 U	0.011 U	0.0079 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	RI-SB-02_0-2_20220613	RI-SB-02_7-9_20220613	RI-SB-02_9-11_20220613	RI-SB-03_0-2_20220615	RI-SB-03_7-9_20220615
		Laboratory Sample ID	460-260026-12	460-260026-13	460-260026-14	460-260169-5	460-260169-6
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/15/2022	6/15/2022
		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
Aldrin	0.005	0.097	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0025 U	0.0023 U	0.0025 U	0.0024 U	0.0027 U
Alpha Endosulfan	NS	NS	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0025 U	0.0023 U	0.0025 U	0.0024 U	0.0027 U
Beta Endosulfan	NS	NS	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
cis-Chlordane	0.094	4.2	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0025 U	0.0023 U	0.0025 U	0.0024 U	0.0027 U
Dieldrin	0.005	0.2	0.0025 U	0.0023 U	0.0025 U	0.0024 U	0.0027 U
Endosulfan Sulfate	NS	NS	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
Endrin Aldehyde	NS	NS	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
Endrin Ketone	NS	NS	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
Gamma Bhc (Lindane)	0.1	1.3	0.0025 U	0.0023 U	0.0025 U	0.0024 U	0.0027 U
Heptachlor	0.042	2.1	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
Heptachlor Epoxide	NS	NS	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
Methoxychlor	NS	NS	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
P,P'-DDD	0.0033	13	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
P,P'-DDE	0.0033	8.9	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
P,P'-DDT	**0.0033**	7.9	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U
Silvex (2,4,5-TP)	3.8	100	0.042 U	0.038 U	0.042 U	0.04 U	0.045 U
Toxaphene	NS	NS	0.084 U	0.076 U	0.085 U	0.08 U	0.091 U
trans-Chlordane	NS	NS	0.0084 U	0.0076 U	0.0085 U	0.008 U	0.0091 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	RI-SB-03_13-15_20220615	RI-SB-04_0-2_20220620	RI-SB-04_6-8_20220620	RI-SB-04_10-12_20220620	RI-SB-05_0-2_20220620
		Laboratory Sample ID	460-260169-7	460-260471-1	460-260471-2	460-260471-3	460-260471-4
		Date Sampled	6/15/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022
		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
Aldrin	0.005	0.097	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0024 U	0.0026 U	0.0024 U	0.0027 U	0.0023 U
Alpha Endosulfan	NS	NS	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0024 U	0.0026 U	0.0024 U	0.0027 U	0.0023 U
Beta Endosulfan	NS	NS	0.0081 U	0.0087 UJ	0.008 UJ	0.0092 UJ	0.0078 UJ
cis-Chlordane	0.094	4.2	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0024 U	0.0026 U	0.0024 U	0.0027 U	0.0023 U
Dieldrin	0.005	0.2	0.0024 U	0.0026 U	0.0024 U	0.0027 U	0.0023 U
Endosulfan Sulfate	NS	NS	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
Endrin Aldehyde	NS	NS	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
Endrin Ketone	NS	NS	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
Gamma Bhc (Lindane)	0.1	1.3	0.0024 U	0.0026 U	0.0024 U	0.0027 U	0.0023 U
Heptachlor	0.042	2.1	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
Heptachlor Epoxide	NS	NS	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
Methoxychlor	NS	NS	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
P,P'-DDD	0.0033	13	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
P,P'-DDE	0.0033	8.9	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
P,P'-DDT	**0.0033**	7.9	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U
Silvex (2,4,5-TP)	3.8	100	0.04 U	0.043 U	0.04 U	0.046 U	0.039 U
Toxaphene	NS	NS	0.081 U	0.087 U	0.08 U	0.092 U	0.078 U
trans-Chlordane	NS	NS	0.0081 U	0.0087 U	0.008 U	0.0092 U	0.0078 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	RI-SB-05_10-12_20220620	RI-SB-05_12-14_20220620	RI-SB-06_0-2_20220616	RI-SB-06_6-8_20220616	RI-SB-06_12-14_20220616
		Laboratory Sample ID	460-260471-5	460-260471-6	460-260250-5	460-260250-6	460-260250-7
		Date Sampled	6/20/2022	6/20/2022	6/16/2022	6/16/2022	6/16/2022
		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
Aldrin	0.005	0.097	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0025 U	0.0041 U	0.0025 U	0.0028 U	0.0066 U
Alpha Endosulfan	NS	NS	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0025 U	0.0041 U	0.0025 U	0.0028 U	0.0066 U
Beta Endosulfan	NS	NS	0.0084 UJ	0.014 UJ	0.0085 U	0.0093 U	0.022 U
cis-Chlordane	0.094	4.2	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0025 U	0.0041 U	0.0025 U	0.0028 U	0.0066 U
Dieldrin	0.005	0.2	0.0025 U	0.0041 U	0.0025 U	0.0028 U	0.0066 U
Endosulfan Sulfate	NS	NS	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
Endrin Aldehyde	NS	NS	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
Endrin Ketone	NS	NS	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
Gamma Bhc (Lindane)	0.1	1.3	0.0025 U	0.0041 U	0.0025 U	0.0028 U	0.0066 U
Heptachlor	0.042	2.1	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
Heptachlor Epoxide	NS	NS	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
Methoxychlor	NS	NS	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
P,P'-DDD	0.0033	13	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
P,P'-DDE	0.0033	8.9	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
P,P'-DDT	**0.0033**	7.9	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U
Silvex (2,4,5-TP)	3.8	100	0.042 U	0.068 U	0.042 U	0.046 U	0.11 U
Toxaphene	NS	NS	0.084 U	0.14 U	0.085 U	0.093 U	0.22 U
trans-Chlordane	NS	NS	0.0084 U	0.014 U	0.0085 U	0.0093 U	0.022 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	RI-SB-07_0-2_20220616	RI-SB-X01_20220616	RI-SB-07_8-10_20220616	RI-SB-07_14-16_20220616	RI-SB-08_0-0.2_20220615
		Laboratory Sample ID	460-260250-1	460-260250-4	460-260250-2	460-260250-3	460-260169-8
		Date Sampled	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/15/2022
		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
Aldrin	0.005	0.097	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0023 U	0.0025 U	0.0026 U	0.0025 U	0.0024 U
Alpha Endosulfan	NS	NS	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0023 U	0.0025 U	0.0026 U	0.0025 U	0.0024 U
Beta Endosulfan	NS	NS	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
cis-Chlordane	0.094	4.2	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0023 U	0.0025 U	0.0026 U	0.0025 U	0.0024 U
Dieldrin	0.005	0.2	0.0023 U	0.0025 U	0.0026 U	0.0025 U	0.0024 U
Endosulfan Sulfate	NS	NS	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
Endrin Aldehyde	NS	NS	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
Endrin Ketone	NS	NS	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
Gamma Bhc (Lindane)	0.1	1.3	0.0023 U	0.0025 U	0.0026 U	0.0025 U	0.0024 U
Heptachlor	0.042	2.1	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
Heptachlor Epoxide	NS	NS	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
Methoxychlor	NS	NS	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
P,P'-DDD	0.0033	13	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
P,P'-DDE	0.0033	8.9	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
P,P'-DDT	**0.0033**	7.9	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U
Silvex (2,4,5-TP)	3.8	100	0.038 U	0.042 U	0.044 U	0.041 U	0.04 U
Toxaphene	NS	NS	0.076 U	0.084 U	0.088 U	0.082 U	0.08 U
trans-Chlordane	NS	NS	0.0076 U	0.0084 U	0.0088 U	0.0082 U	0.008 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	RI-SB-08_0-2_20220615	RI-SB-08_7-9_20220615	RI-SB-08_18-20_20220615	RI-SB-09_0-2_20220617	RI-SB-09_3-5_20220617
		Laboratory Sample ID	460-260169-9	460-260169-10	460-260169-11	460-260400-1	460-260400-2
		Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/17/2022	6/17/2022
		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
Aldrin	0.005	0.097	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0026 U	0.0023 U	0.0026 U	0.0034 U	0.0032 U
Alpha Endosulfan	NS	NS	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0026 U	0.0023 U	0.0026 U	0.0034 U	0.0032 U
Beta Endosulfan	NS	NS	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
cis-Chlordane	0.094	4.2	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0026 U	0.0023 U	0.0026 U	0.0034 U	0.0032 U
Dieldrin	0.005	0.2	0.0026 U	0.0023 U	0.0026 U	0.0034 U	0.0032 U
Endosulfan Sulfate	NS	NS	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
Endrin Aldehyde	NS	NS	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
Endrin Ketone	NS	NS	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
Gamma Bhc (Lindane)	0.1	1.3	0.0026 U	0.0023 U	0.0026 U	0.0034 U	0.0032 U
Heptachlor	0.042	2.1	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
Heptachlor Epoxide	NS	NS	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
Methoxychlor	NS	NS	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
P,P'-DDD	0.0033	13	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
P,P'-DDE	0.0033	8.9	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
P,P'-DDT	**0.0033**	7.9	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U
Silvex (2,4,5-TP)	3.8	100	0.044 U	0.038 U	0.043 U	0.057 U	0.053 U
Toxaphene	NS	NS	0.088 U	0.077 U	0.086 U	0.12 U	0.11 U
trans-Chlordane	NS	NS	0.0088 U	0.0077 U	0.0086 U	0.012 U	0.011 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	RI-SB-09_10-12_20220617	RI-SB-10_0-2_20220616	RI-SB-10_11-13_20220616	RI-SB-10_14-16_20220616	RI-SB-11_0-2_20220615
		Laboratory Sample ID	460-260400-3	460-260250-10	460-260250-11	460-260250-12	460-260169-12
		Date Sampled	6/17/2022	6/16/2022	6/16/2022	6/16/2022	6/15/2022
		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
Aldrin	0.005	0.097	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U
Alpha Endosulfan	NS	NS	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U
Beta Endosulfan	NS	NS	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
cis-Chlordane	0.094	4.2	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U
Dieldrin	0.005	0.2	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U
Endosulfan Sulfate	NS	NS	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
Endrin Aldehyde	NS	NS	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
Endrin Ketone	NS	NS	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
Gamma Bhc (Lindane)	0.1	1.3	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U
Heptachlor	0.042	2.1	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
Heptachlor Epoxide	NS	NS	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
Methoxychlor	NS	NS	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
P,P'-DDD	0.0033	13	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
P,P'-DDE	0.0033	8.9	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
P,P'-DDT	**0.0033**	7.9	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U
Silvex (2,4,5-TP)	3.8	100	0.037 U	0.037 U	0.04 U	0.039 U	0.043 U
Toxaphene	NS	NS	0.075 U	0.075 U	0.08 U	0.078 U	0.085 U
trans-Chlordane	NS	NS	0.0075 U	0.0075 U	0.008 U	0.0078 U	0.0085 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	RI-SB-11_8-10_20220615	RI-SB-11_13-15_20220615	RI-SB-12_0-0.2_20220615	RI-SB-12_0-2_20220615	RI-SB-12_8-10_20220615
		Laboratory Sample ID	460-260169-13	460-260169-14	460-260169-1	460-260169-2	460-260169-3
		Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/15/2022	6/15/2022
		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
Aldrin	0.005	0.097	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0023 U	0.0051 U	0.0023 U	0.0024 U	0.0025 U
Alpha Endosulfan	NS	NS	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0023 U	0.0051 U	0.0023 U	0.0024 U	0.0025 U
Beta Endosulfan	NS	NS	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
cis-Chlordane	0.094	4.2	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0023 U	0.0051 U	0.0023 U	0.0024 U	0.0025 U
Dieldrin	0.005	0.2	0.0023 U	0.0051 U	0.0023 U	0.0024 U	0.0025 U
Endosulfan Sulfate	NS	NS	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
Endrin Aldehyde	NS	NS	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
Endrin Ketone	NS	NS	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
Gamma Bhc (Lindane)	0.1	1.3	0.0023 U	0.0051 U	0.0023 U	0.0024 U	0.0025 U
Heptachlor	0.042	2.1	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
Heptachlor Epoxide	NS	NS	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
Methoxychlor	NS	NS	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
P,P'-DDD	0.0033	13	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
P,P'-DDE	0.0033	8.9	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
P,P'-DDT	**0.0033**	7.9	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U
Silvex (2,4,5-TP)	3.8	100	0.038 U	0.085 U	0.038 U	0.039 U	0.042 U
Toxaphene	NS	NS	0.077 U	0.17 U	0.076 U	0.079 U	0.085 U
trans-Chlordane	NS	NS	0.0077 U	0.017 U	0.0076 U	0.0079 U	0.0085 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	RI-SB-12_12-14_20220615	RI-SB-13_0-.2_20220614	RI-SB-13_0-2_20220614	RI-SB-13_8-10_20220614	RI-SB-13_10-12_20220614
		Laboratory Sample ID	460-260169-4	460-260103-1	460-260103-2	460-260103-3	460-260103-4
		Date Sampled	6/15/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
		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
Aldrin	0.005	0.097	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0036 U	0.0022 U	0.0021 U	0.0023 U	0.0029 U
Alpha Endosulfan	NS	NS	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0036 U	0.0022 U	0.0021 U	0.0023 U	0.0029 U
Beta Endosulfan	NS	NS	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
cis-Chlordane	0.094	4.2	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0036 U	0.0022 U	0.0021 U	0.0023 U	0.0029 U
Dieldrin	0.005	0.2	0.0036 U	0.0022 U	0.0021 U	0.0023 U	0.0029 U
Endosulfan Sulfate	NS	NS	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
Endrin Aldehyde	NS	NS	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
Endrin Ketone	NS	NS	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
Gamma Bhc (Lindane)	0.1	1.3	0.0036 U	0.0022 U	0.0021 U	0.0023 U	0.0029 U
Heptachlor	0.042	2.1	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
Heptachlor Epoxide	NS	NS	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
Methoxychlor	NS	NS	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
P,P'-DDD	0.0033	13	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
P,P'-DDE	0.0033	8.9	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
P,P'-DDT	**0.0033**	7.9	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U
Silvex (2,4,5-TP)	3.8	100	0.06 U	0.037 U	0.034 U	0.038 U	0.048 U
Toxaphene	NS	NS	0.12 U	0.074 U	0.069 U	0.077 U	0.097 U
trans-Chlordane	NS	NS	0.012 U	0.0074 U	0.0069 U	0.0077 U	0.0097 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	RI-SB-14_0-2_20220613	RI-SB-14_6-8_20220613	RI-SB-14_12-14_20220613	RI-SB-15_0-2_20220613	RI-SB-15_3-5_20220613
		Laboratory Sample ID	460-260026-4	460-260026-5	460-260026-6	460-260026-1	460-260026-2
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
		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
Aldrin	0.005	0.097	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0022 U	0.0024 U	0.003 U	0.0023 U	0.0023 U
Alpha Endosulfan	NS	NS	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0022 U	0.0024 U	0.003 U	0.0023 U	0.0023 U
Beta Endosulfan	NS	NS	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
cis-Chlordane	0.094	4.2	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0022 U	0.0024 U	0.003 U	0.0023 U	0.0023 U
Dieldrin	0.005	0.2	0.0022 U	0.0024 U	0.003 U	0.0023 U	0.0023 U
Endosulfan Sulfate	NS	NS	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
Endrin Aldehyde	NS	NS	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
Endrin Ketone	NS	NS	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
Gamma Bhc (Lindane)	0.1	1.3	0.0022 U	0.0024 U	0.003 U	0.0023 U	0.0023 U
Heptachlor	0.042	2.1	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
Heptachlor Epoxide	NS	NS	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
Methoxychlor	NS	NS	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
P,P'-DDD	0.0033	13	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
P,P'-DDE	0.0033	8.9	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U
P,P'-DDT	**0.0033**	7.9	0.0074 U	0.0081 U	0.01 U	**0.0037 J**	0.0076 U
Silvex (2,4,5-TP)	3.8	100	0.037 U	0.04 U	0.05 U	0.038 U	0.038 U
Toxaphene	NS	NS	0.074 U	0.081 U	0.1 U	0.076 U	0.076 U
trans-Chlordane	NS	NS	0.0074 U	0.0081 U	0.01 U	0.0076 U	0.0076 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	RI-SB-15_7-9_20220613	RI-SB-16_0-2_20220614	RI-SB-16_8-10_20220614	RI-SB-16_10-12_20220614	RI-SB-X01_20220614
		Laboratory Sample ID	460-260026-3	460-260103-8	460-260103-9	460-260103-10	460-260103-11
		Date Sampled	6/13/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
		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
Aldrin	0.005	0.097	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0024 U	0.0022 U	0.0021 U	0.0025 U	0.0027 U
Alpha Endosulfan	NS	NS	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0024 U	0.0022 U	0.0021 U	0.0025 U	0.0027 U
Beta Endosulfan	NS	NS	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
cis-Chlordane	0.094	4.2	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0024 U	0.0022 U	0.0021 U	0.0025 U	0.0027 U
Dieldrin	0.005	0.2	0.0024 U	0.0022 U	0.0021 U	0.0025 U	0.0027 U
Endosulfan Sulfate	NS	NS	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
Endrin Aldehyde	NS	NS	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
Endrin Ketone	NS	NS	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
Gamma Bhc (Lindane)	0.1	1.3	0.0024 U	0.0022 U	0.0021 U	0.0025 U	0.0027 U
Heptachlor	0.042	2.1	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
Heptachlor Epoxide	NS	NS	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
Methoxychlor	NS	NS	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
P,P'-DDD	0.0033	13	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
P,P'-DDE	0.0033	8.9	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
P,P'-DDT	**0.0033**	7.9	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U
Silvex (2,4,5-TP)	3.8	100	0.04 U	0.036 U	0.035 U	0.042 U	0.045 U
Toxaphene	NS	NS	0.081 U	0.072 U	0.071 U	0.083 U	0.091 U
trans-Chlordane	NS	NS	0.0081 U	0.0072 U	0.0071 U	0.0083 U	0.0091 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	RI-SB-17_0-2_20220614	RI-SB-17_12-14_20220614	RI-SB-17_15-17_20220614	RI-SED-01_20220801	RI-SED-02_20220801
		Laboratory Sample ID	460-260103-5	460-260103-6	460-260103-7	460-263026-4	460-263026-5
		Date Sampled	6/14/2022	6/14/2022	6/14/2022	8/01/2022	8/01/2022
		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
Aldrin	0.005	0.097	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0021 U	0.0027 U	0.0024 U	0.0035 U	0.0036 U
Alpha Endosulfan	NS	NS	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0021 U	0.0027 U	0.0024 U	0.0035 U	0.0036 U
Beta Endosulfan	NS	NS	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
cis-Chlordane	0.094	4.2	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0021 U	0.0027 U	0.0024 U	0.0035 U	0.0036 U
Dieldrin	0.005	0.2	0.0021 U	0.0027 U	0.0024 U	0.0035 U	0.0036 U
Endosulfan Sulfate	NS	NS	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
Endrin Aldehyde	NS	NS	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
Endrin Ketone	NS	NS	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
Gamma Bhc (Lindane)	0.1	1.3	0.0021 U	0.0027 U	0.0024 U	0.0035 U	0.0036 U
Heptachlor	0.042	2.1	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
Heptachlor Epoxide	NS	NS	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
Methoxychlor	NS	NS	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
P,P'-DDD	0.0033	13	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
P,P'-DDE	0.0033	8.9	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
P,P'-DDT	**0.0033**	7.9	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U
Silvex (2,4,5-TP)	3.8	100	0.035 U	0.045 U	0.041 U	0.059 U	0.06 U
Toxaphene	NS	NS	0.069 U	0.091 U	0.082 U	0.12 U	0.12 U
trans-Chlordane	NS	NS	0.0069 U	0.0091 U	0.0082 U	0.012 U	0.012 U

Table 2F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Pesticides

		AKRF Sample ID	FB-01_20220613	FB-01_20220614	FB-01_20220616
		Laboratory Sample ID	460-260026-16	460-260103-12	460-260250-8
		Date Sampled	6/13/2022	6/14/2022	6/16/2022
		Unit	µg/L	µg/L	µg/L
		Dilution Factor	1	1	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	NS	NS	0.02 U	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.02 U	0.02 U	0.02 U
Beta Endosulfan	NS	NS	0.02 U	0.02 UJ	0.02 UJ
cis-Chlordane	0.094	4.2	0.02 U	0.02 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.02 U	0.02 U	0.02 U
Dieldrin	0.005	0.2	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	NS	NS	0.02 U	0.02 U	0.02 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U
Endrin	0.014	11	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	NS	NS	0.02 U	0.02 U	0.02 U
Endrin Ketone	NS	NS	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	0.1	1.3	0.02 U	0.02 U	0.02 U
Heptachlor	0.042	2.1	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	NS	NS	0.02 U	0.02 U	0.02 U
Methoxychlor	NS	NS	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.0033	13	0.02 U	0.02 U	0.02 U
P,P'-DDE	0.0033	8.9	0.02 U	0.02 U	0.02 U
P,P'-DDT	**0.0033**	7.9	0.02 U	0.02 U	0.02 U
Silvex (2,4,5-TP)	3.8	100	1.2 U	1.2 U	1.2 U
Toxaphene	NS	NS	0.5 U	0.5 U	0.5 U
trans-Chlordane	NS	NS	NR	NR	NR

Table 2G
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

		AKRF Sample ID	RI-SB-01_0-2_20220613	RI-SB-01_6-8_20220613	RI-SB-X01_20220613	RI-SB-01_12-14_20220613	RI-SB-02_0-0.2_20220613
		Laboratory Sample ID	460-260023-7	460-260023-8	460-260023-10	460-260023-9	460-260023-11
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
		Dilution Factor	1	1	1	1	1
		Unit	ppb	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.27 U
8:2 Fluorotelomer sulfonate	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.27 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.27 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.27 U
Perfluorobutanesulfonic acid	NS	NS	0.49 U	0.47 U	0.47 U	0.74 U	0.54 U
Perfluorobutanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.17 J
Perfluorodecanesulfonic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.27 U
Perfluorodecanoic acid	NS	NS	0.25 U	0.051 J	0.052 J	0.37 U	0.27 U
Perfluorododecanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.27 U
Perfluoroheptanesulfonic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.27 U
Perfluoroheptanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.33
Perfluorohexanesulfonic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.042 J
Perfluorohexanoic acid	NS	NS	0.038 J	0.24 U	0.028 J	0.37 U	0.26 J
Perfluorononanoic acid	NS	NS	0.068 J	0.24 U	0.23 U	0.37 U	0.27 U
Perfluorooctanesulfonic acid	0.88	44	0.063 J	0.14 J	0.12 J	0.37 U	0.088 J
Perfluorooctanoic acid	**0.66**	33	0.21 J	0.047 J	0.066 J	0.084 J	**2.09**
Perfluoropentanoic acid	NS	NS	0.03 J	0.24 U	0.23 U	0.37 U	0.14 J
Perfluorotetradecanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.27 U
Perfluorotridecanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.27 U
Perfluoroundecanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.27 U
Perflurooctanesulfonamide	NS	NS	0.25 U	0.24 U	0.23 U	0.37 U	0.27 U

Table 2G
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

		AKRF Sample ID	RI-SB-02_0-2_20220613	RI-SB-02_7-9_20220613	RI-SB-02_9-11_20220613	RI-SB-03_0-2_20220615	RI-SB-03_7-9_20220615
		Laboratory Sample ID	460-260023-12	460-260023-13	460-260023-14	460-260170-5	460-260170-6
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/15/2022	6/15/2022
		Dilution Factor	1	1	1	1	1
		Unit	ppb	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	0.24 U	0.28 U	0.23 U	0.23 U	0.25 U
8:2 Fluorotelomer sulfonate	NS	NS	0.24 U	0.28 U	0.23 U	0.23 U	0.25 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.24 U	0.28 U	0.23 U	0.23 U	0.25 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.24 U	0.28 U	0.23 U	0.23 U	0.25 U
Perfluorobutanesulfonic acid	NS	NS	0.48 U	0.56 U	0.47 U	0.45 U	0.5 U
Perfluorobutanoic acid	NS	NS	0.15 J	0.28 U	0.039 J	0.028 J	0.25 U
Perfluorodecanesulfonic acid	NS	NS	0.24 U	0.28 U	0.23 U	0.23 U	0.25 U
Perfluorodecanoic acid	NS	NS	0.24 U	0.28 U	0.23 U	0.23 U	0.25 U
Perfluorododecanoic acid	NS	NS	0.24 U	0.28 U	0.23 U	0.23 U	0.25 U
Perfluoroheptanesulfonic acid	NS	NS	0.24 U	0.28 U	0.23 U	0.23 U	0.25 U
Perfluoroheptanoic acid	NS	NS	0.28	0.28 U	0.23 U	0.042 J	0.25 U
Perfluorohexanesulfonic acid	NS	NS	0.044 J	0.28 U	0.23 U	0.23 U	0.25 U
Perfluorohexanoic acid	NS	NS	0.28	0.28 U	0.23 U	0.033 J	0.25 U
Perfluorononanoic acid	NS	NS	0.24 U	0.28 U	0.23 U	0.045 J	0.25 U
Perfluorooctanesulfonic acid	0.88	44	0.13 J	0.28 U	0.23 U	0.27	0.25 U
Perfluorooctanoic acid	**0.66**	33	**1.97**	0.038 J	0.065 J	0.46	0.25 U
Perfluoropentanoic acid	NS	NS	0.13 J	0.28 U	0.23 U	0.035 J	0.25 U
Perfluorotetradecanoic acid	NS	NS	0.24 U	0.28 U	0.23 U	0.23 U	0.25 U
Perfluorotridecanoic acid	NS	NS	0.24 U	0.28 U	0.23 U	0.23 U	0.25 U
Perfluoroundecanoic acid	NS	NS	0.24 U	0.28 U	0.23 U	0.23 U	0.25 U
Perfluroroctanesulfonamide	NS	NS	0.24 U	0.28 U	0.23 U	0.23 U	0.25 U

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		AKRF Sample ID	RI-SB-03_13-15_20220615	RI-SB-04_0-2_20220620	RI-SB-04_6-8_20220620	RI-SB-04_10_12_20220620	RI-SB-05_0-2_20220620
		Laboratory Sample ID	460-260170-7	460-260510-1	460-260510-4	460-260510-6	460-260510-2
		Date Sampled	6/15/2022	6/20/2022	6/20/2022	6/20/2022	6/20/2022
		Dilution Factor	1	1	1	1	1
		Unit	ppb	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	0.13 J	0.24 U	0.23 U	0.28 U	0.23 U
8:2 Fluorotelomer sulfonate	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
Perfluorobutanesulfonic acid	NS	NS	0.49 U	0.47 U	0.46 U	0.55 U	0.46 U
Perfluorobutanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
Perfluorodecanesulfonic acid	NS	NS	0.25 U	0.24 UJ	0.23 U	0.28 UJ	0.23 UJ
Perfluorodecanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
Perfluorododecanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
Perfluoroheptanesulfonic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
Perfluoroheptanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
Perfluorohexanesulfonic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
Perfluorohexanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.025 J
Perfluorononanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
Perfluorooctanesulfonic acid	0.88	44	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
Perfluorooctanoic acid	**0.66**	33	0.25 U	0.094 J	0.23 U	0.28 U	0.23 U
Perfluoropentanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
Perfluorotetradecanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
Perfluorotridecanoic acid	NS	NS	0.25 U	0.24 UJ	0.23 U	0.28 UJ	0.23 UJ
Perfluoroundecanoic acid	NS	NS	0.25 U	0.24 U	0.23 U	0.28 U	0.23 U
Perfluroroctanesulfonamide	NS	NS	0.25 UJ	0.24 U	0.23 UJ	0.28 U	0.23 U

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		AKRF Sample ID	RI-SB-05_10_12_20220620	RI-SB-05_12_14_20220620	RI-SB-06_0-2_20220616	RI-SB-06_6-8_20220616	RI-SB-06_12-14_20220616
		Laboratory Sample ID	460-260510-5	460-260510-7	460-260285-5	460-260285-6	460-260285-7
		Date Sampled	6/20/2022	6/20/2022	6/16/2022	6/16/2022	6/16/2022
		Dilution Factor	1	1	1	1	1
		Unit	ppb	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.32 U
8:2 Fluorotelomer sulfonate	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.32 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.32 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.32 U
Perfluorobutanesulfonic acid	NS	NS	0.56 U	1.1 U	0.48 U	0.52 U	0.65 U
Perfluorobutanoic acid	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.32 U
Perfluorodecanesulfonic acid	NS	NS	0.28 UJ	0.55 UJ	0.24 U	0.26 U	0.32 U
Perfluorodecanoic acid	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.32 U
Perfluorododecanoic acid	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.32 U
Perfluoroheptanesulfonic acid	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.32 U
Perfluoroheptanoic acid	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.32 U
Perfluorohexanesulfonic acid	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.32 U
Perfluorohexanoic acid	NS	NS	0.037 J	0.55 U	0.24 U	0.028 J	0.32 U
Perfluorononanoic acid	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.32 U
Perfluorooctanesulfonic acid	0.88	44	0.17 J	0.55 U	0.24 U	0.059 J	0.32 U
Perfluorooctanoic acid	**0.66**	33	0.14 J	0.55 U	0.24 U	0.088 J	0.059 J
Perfluoropentanoic acid	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.059 J
Perfluorotetradecanoic acid	NS	NS	0.28 U	0.55 UJ	0.24 U	0.26 U	0.32 U
Perfluorotridecanoic acid	NS	NS	0.28 UJ	0.55 UJ	0.24 U	0.26 U	0.32 U
Perfluoroundecanoic acid	NS	NS	0.28 U	0.55 U	0.24 U	0.26 U	0.32 U
Perfluroroctanesulfonamide	NS	NS	0.28 UJ	0.55 UJ	0.24 U	0.26 U	0.32 U

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		AKRF Sample ID	RI-SB-07_0-2_20220616	RI-SB-X01_20220616	RI-SB-07_8-10_20220616	RI-SB-07_14-16_20220616	RI-SB-08_0-0.2_20220615
		Laboratory Sample ID	460-260285-1	460-260285-4	460-260285-2	460-260285-3	460-260170-8
		Date Sampled	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/15/2022
		Dilution Factor	1	1	1	1	1
		Unit	ppb	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	2.24 J+
8:2 Fluorotelomer sulfonate	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	0.26 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	0.26 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	0.26 U
Perfluorobutanesulfonic acid	NS	NS	0.48 U	0.49 U	0.47 U	0.49 U	0.53 U
Perfluorobutanoic acid	NS	NS	0.061 J	0.045 J	0.24 U	0.25 U	0.26 U
Perfluorodecanesulfonic acid	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	0.26 U
Perfluorodecanoic acid	NS	NS	0.039 J	0.044 J	0.24 U	0.25 U	0.26 U
Perfluorododecanoic acid	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	0.26 U
Perfluoroheptanesulfonic acid	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	0.26 U
Perfluoroheptanoic acid	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	0.26 U
Perfluorohexanesulfonic acid	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	0.027 J
Perfluorohexanoic acid	NS	NS	0.24 U	0.035 J	0.24 U	0.069 J	0.26 U
Perfluorononanoic acid	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	0.26 U
Perfluorooctanesulfonic acid	0.88	44	0.057 J	0.073 J	0.24 U	0.25 U	0.26 U
Perfluorooctanoic acid	**0.66**	33	0.027 J	0.032 J	0.24 U	0.25 U	0.26 U
Perfluoropentanoic acid	NS	NS	0.24 U	0.24 U	0.24 U	0.035 J	0.26 U
Perfluorotetradecanoic acid	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	0.26 U
Perfluorotridecanoic acid	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	0.26 U
Perfluoroundecanoic acid	NS	NS	0.24 U	0.24 U	0.24 U	0.25 U	0.26 U
Perfluroroctanesulfonamide	NS	NS	0.24 UJ	0.24 U	0.24 UJ	0.25 U	0.26 UJ

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		AKRF Sample ID	RI-SB-08_0-2_20220615	RI-SB-08_7-9_20220615	RI-SB-08_18-20_20220615	RI-SB-09_0-2_20220617	RI-SB-09_3-5_20220617
		Laboratory Sample ID	460-260170-9	460-260170-10	460-260170-11	460-260406-1	460-260406-2
		Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/17/2022	6/17/2022
		Dilution Factor	1	1	1	1	1
		Unit	ppb	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 U
8:2 Fluorotelomer sulfonate	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 U
Perfluorobutanesulfonic acid	NS	NS	0.46 U	0.46 U	0.63 U	0.45 U	0.48 U
Perfluorobutanoic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.028 J	1.05
Perfluorodecanesulfonic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 U
Perfluorodecanoic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 U
Perfluorododecanoic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 U
Perfluoroheptanesulfonic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 U
Perfluoroheptanoic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	3.15
Perfluorohexanesulfonic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.035 J	0.17 J+
Perfluorohexanoic acid	NS	NS	0.23 U	0.071 J	0.03 J	0.23 U	6.14
Perfluorononanoic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 J-
Perfluorooctanesulfonic acid	0.88	44	0.14 J	0.23 U	0.31 U	0.23 U	0.079 J
Perfluorooctanoic acid	**0.66**	33	0.089 J	0.23 U	0.31 U	0.13 J	0.34
Perfluoropentanoic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.52 JL
Perfluorotetradecanoic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 U
Perfluorotridecanoic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 U
Perfluoroundecanoic acid	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 U
Perflurooctanesulfonamide	NS	NS	0.23 U	0.23 U	0.31 U	0.23 U	0.24 UJ

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		AKRF Sample ID	RI-SB-09_10-12_20220617	RI-SB-10_0-2_20220616	RI-SB-10_11-13_20220616	RI-SB-10_14-16_20220616	RI-SB-11_0-2_20220615
		Laboratory Sample ID	460-260406-3	460-260285-9	460-260285-10	460-260285-11	460-260170-12
		Date Sampled	6/17/2022	6/16/2022	6/16/2022	6/16/2022	6/15/2022
		Dilution Factor	1	1	1	1	1
		Unit	ppb	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	0.24 U	0.23 U	0.66 J+	0.27 U	0.23 U
8:2 Fluorotelomer sulfonate	NS	NS	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.24 U	0.23 U	0.25 UJ	0.27 U	0.23 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.24 U	0.23 U	0.25 UJ	0.27 U	0.23 U
Perfluorobutanesulfonic acid	NS	NS	0.48 U	0.45 U	0.49 U	0.54 U	0.46 U
Perfluorobutanoic acid	NS	NS	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
Perfluorodecanesulfonic acid	NS	NS	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
Perfluorodecanoic acid	NS	NS	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
Perfluorododecanoic acid	NS	NS	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
Perfluoroheptanesulfonic acid	NS	NS	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
Perfluoroheptanoic acid	NS	NS	0.24 U	0.23 U	0.037 J	0.27 U	0.23 U
Perfluorohexanesulfonic acid	NS	NS	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
Perfluorohexanoic acid	NS	NS	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
Perfluorononanoic acid	NS	NS	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
Perfluorooctanesulfonic acid	0.88	44	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
Perfluorooctanoic acid	**0.66**	33	0.029 J	0.23 U	0.027 J	0.03 J	0.033 J
Perfluoropentanoic acid	NS	NS	0.24 U	0.23 U	0.047 J	0.065 J	0.23 U
Perfluorotetradecanoic acid	NS	NS	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
Perfluorotridecanoic acid	NS	NS	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
Perfluoroundecanoic acid	NS	NS	0.24 U	0.23 U	0.25 U	0.27 U	0.23 U
Perflurooctanesulfonamide	NS	NS	0.24 U	0.23 U	0.25 UJ	0.27 U	0.23 U

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		AKRF Sample ID	RI-SB-11_8-10_20220615	RI-SB-11_13-15_20220615	RI-SB-12_0-0.2_20220615	RI-SB-12_0-2_20220615	RI-SB-12_8-10_20220615
		Laboratory Sample ID	460-260170-13	460-260170-14	460-260170-1	460-260170-2	460-260170-3
		Date Sampled	6/15/2022	6/15/2022	6/15/2022	6/15/2022	6/15/2022
		Dilution Factor	1	1	1	1	1
		Unit	ppb	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	0.24 U	0.53 U	0.23 U	0.24 U	4.53
8:2 Fluorotelomer sulfonate	NS	NS	0.24 U	0.53 U	0.23 U	0.24 U	0.37 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.24 U	0.53 U	0.23 U	0.24 U	0.37 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.24 U	0.53 U	0.23 U	0.24 U	0.37 U
Perfluorobutanesulfonic acid	NS	NS	0.48 U	1.06 U	0.46 U	0.48 U	0.75 U
Perfluorobutanoic acid	NS	NS	0.24 U	0.53 U	0.23 U	0.036 J	0.052 J
Perfluorodecanesulfonic acid	NS	NS	0.24 U	0.53 U	0.23 U	0.24 U	0.37 U
Perfluorodecanoic acid	NS	NS	0.24 U	0.53 U	0.23 U	0.031 J	0.37 U
Perfluorododecanoic acid	NS	NS	0.24 U	0.53 U	0.23 U	0.24 U	0.37 U
Perfluoroheptanesulfonic acid	NS	NS	0.24 U	0.53 U	0.23 U	0.24 U	0.37 U
Perfluoroheptanoic acid	NS	NS	0.24 U	0.53 U	0.03 J	0.062 J	0.37 U
Perfluorohexanesulfonic acid	NS	NS	0.023 J	0.53 U	0.23 U	0.24 U	0.07 J
Perfluorohexanoic acid	NS	NS	0.24 U	0.53 U	0.054 J	0.048 J	0.035 J
Perfluorononanoic acid	NS	NS	0.24 U	0.53 U	0.029 J	0.24 U	0.37 U
Perfluorooctanesulfonic acid	0.88	44	0.24 U	0.53 U	0.23 U	0.073 J	0.065 J
Perfluorooctanoic acid	**0.66**	33	0.24 U	0.083 J	0.15 J	0.31	0.37 U
Perfluoropentanoic acid	NS	NS	0.24 U	0.53 U	0.038 J	0.038 J	0.37 U
Perfluorotetradecanoic acid	NS	NS	0.24 U	0.53 U	0.23 U	0.24 U	0.37 U
Perfluorotridecanoic acid	NS	NS	0.24 U	0.53 U	0.23 U	0.24 U	0.37 U
Perfluoroundecanoic acid	NS	NS	0.24 U	0.53 U	0.23 U	0.24 U	0.37 U
Perfluroroctanesulfonamide	NS	NS	0.24 U	0.53 U	0.23 U	0.24 U	0.37 U

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		AKRF Sample ID	RI-SB-12_12-14_20220615	RI-SB-13_0-.2_20220614	RI-SB-13_0-2_20220614	RI-SB-13_8-10_20220614	RI-SB-13_10-12_20220614
		Laboratory Sample ID	460-260170-4	460-260116-1	460-260116-2	460-260116-3	460-260116-4
		Date Sampled	6/15/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
		Dilution Factor	1	1	1	1	1
		Unit	ppb	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	1.22	0.24 U	0.23 U	0.29 U	0.38 U
8:2 Fluorotelomer sulfonate	NS	NS	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
Perfluorobutanesulfonic acid	NS	NS	0.48 U	0.47 U	0.46 U	0.57 U	0.76 U
Perfluorobutanoic acid	NS	NS	0.24 U	0.24 U	0.042 J	0.29 U	0.38 U
Perfluorodecanesulfonic acid	NS	NS	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
Perfluorodecanoic acid	NS	NS	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
Perfluorododecanoic acid	NS	NS	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
Perfluoroheptanesulfonic acid	NS	NS	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
Perfluoroheptanoic acid	NS	NS	0.24 U	0.034 J	0.056 J	0.29 U	0.38 U
Perfluorohexanesulfonic acid	NS	NS	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
Perfluorohexanoic acid	NS	NS	0.24 U	0.24 U	0.059 J	0.29 U	0.38 U
Perfluorononanoic acid	NS	NS	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
Perfluorooctanesulfonic acid	0.88	44	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
Perfluorooctanoic acid	**0.66**	33	0.04 J	0.25	0.28	0.093 J	0.38 U
Perfluoropentanoic acid	NS	NS	0.24 U	0.24 U	0.037 J	0.29 U	0.38 U
Perfluorotetradecanoic acid	NS	NS	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
Perfluorotridecanoic acid	NS	NS	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
Perfluoroundecanoic acid	NS	NS	0.24 U	0.24 U	0.23 U	0.29 U	0.38 U
Perfluroroctanesulfonamide	NS	NS	0.24 UJ	0.24 U	0.23 U	0.29 U	0.38 U

Table 2G
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

		AKRF Sample ID	RI-SB-14_0-2_20220613	RI-SB-14_6-8_20220613	RI-SB-14_12-14_20220613	RI-SB-15_0-2_20220613	RI-SB-15_3-5_20220613
		Laboratory Sample ID	460-260023-4	460-260023-5	460-260023-6	460-260023-1	460-260023-2
		Date Sampled	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
		Dilution Factor	1	1	1	1	1
		Unit	ppb	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	0.23 U	0.25 U	0.55 U	0.24 U	0.24 U
8:2 Fluorotelomer sulfonate	NS	NS	0.23 U	0.25 U	0.55 U	0.24 U	0.24 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.23 U	0.25 U	0.55 U	0.24 U	0.24 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.23 U	0.25 U	0.55 U	0.24 U	0.24 U
Perfluorobutanesulfonic acid	NS	NS	0.45 U	0.51 U	1.09 U	0.49 U	0.47 U
Perfluorobutanoic acid	NS	NS	0.03 J	0.04 J	0.55 U	0.24 U	0.24 U
Perfluorodecanesulfonic acid	NS	NS	0.23 U	0.25 U	0.55 U	0.24 U	0.24 U
Perfluorodecanoic acid	NS	NS	0.23 U	0.25 U	0.55 U	0.24 U	0.24 U
Perfluorododecanoic acid	NS	NS	0.23 U	0.25 U	0.55 U	0.24 U	0.24 U
Perfluoroheptanesulfonic acid	NS	NS	0.23 U	0.25 U	0.55 U	0.24 U	0.24 U
Perfluoroheptanoic acid	NS	NS	0.089 J	0.22 J	0.079 J	0.24 U	0.24 U
Perfluorohexanesulfonic acid	NS	NS	0.23 U	0.041 J	0.55 U	0.24 U	0.24 U
Perfluorohexanoic acid	NS	NS	0.073 J	0.086 J	0.55 U	0.24 U	0.24 U
Perfluorononanoic acid	NS	NS	0.026 J	0.12 J	0.55 U	0.24 U	0.24 U
Perfluorooctanesulfonic acid	0.88	44	0.16 J	0.11 J	0.55 U	0.24 U	0.24 U
Perfluorooctanoic acid	**0.66**	33	**0.75**	**1.96**	0.55 U	0.24 U	0.24 U
Perfluoropentanoic acid	NS	NS	0.08 J	0.031 J	0.55 U	0.24 U	0.24 U
Perfluorotetradecanoic acid	NS	NS	0.23 U	0.25 U	0.55 J-	0.24 U	0.24 U
Perfluorotridecanoic acid	NS	NS	0.23 U	0.25 U	0.55 U	0.24 U	0.24 U
Perfluoroundecanoic acid	NS	NS	0.23 U	0.25 U	0.55 U	0.24 U	0.24 U
Perfluroroctanesulfonamide	NS	NS	0.23 U	0.25 U	0.55 UJ	0.24 U	0.24 U

Table 2G
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

		AKRF Sample ID	RI-SB-15_7-9_20220613	RI-SB-16_0-2_20220614	RI-SB-16_8-10_20220614	RI-SB-16_10-12_20220614	RI-SB-X01_20220614
		Laboratory Sample ID	460-260023-3	460-260116-8	460-260116-9	460-260116-10	460-260116-11
		Date Sampled	6/13/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
		Dilution Factor	1	1	1	1	1
		Unit	ppb	ppb	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	0.23 U	0.22 U	0.26 U	0.2 J+	0.31 J
8:2 Fluorotelomer sulfonate	NS	NS	0.23 U	0.22 U	0.26 U	0.35 U	0.34 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.23 U	0.22 UJ	0.26 U	0.35 U	0.34 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.23 U	0.22 UJ	0.26 U	0.35 U	0.34 U
Perfluorobutanesulfonic acid	NS	NS	0.47 U	0.44 U	0.53 U	0.69 U	0.68 U
Perfluorobutanoic acid	NS	NS	0.23 U	0.078 J	0.26 U	0.35 U	0.34 U
Perfluorodecanesulfonic acid	NS	NS	0.23 U	0.22 U	0.26 UJ	0.35 U	0.34 U
Perfluorodecanoic acid	NS	NS	0.23 U	0.16 J	0.26 U	0.35 U	0.34 U
Perfluorododecanoic acid	NS	NS	0.23 U	0.22 U	0.26 U	0.35 U	0.34 U
Perfluoroheptanesulfonic acid	NS	NS	0.23 U	0.22 U	0.26 U	0.35 U	0.34 U
Perfluoroheptanoic acid	NS	NS	0.23 U	0.053 J	0.26 U	0.35 U	0.34 U
Perfluorohexanesulfonic acid	NS	NS	0.23 U	0.22 U	1.38 J-	0.35 U	0.34 U
Perfluorohexanoic acid	NS	NS	0.23 U	0.17 J	0.26 U	0.35 U	0.34 U
Perfluorononanoic acid	NS	NS	0.23 U	0.041 J	0.26 U	0.35 U	0.34 U
Perfluorooctanesulfonic acid	0.88	44	0.23 U	0.099 J	0.26 U	0.35 U	0.34 U
Perfluorooctanoic acid	**0.66**	33	0.027 J	0.088 J	0.12 J	0.086 J	0.085 J
Perfluoropentanoic acid	NS	NS	0.23 U	0.1 J	0.26 U	0.35 U	0.34 U
Perfluorotetradecanoic acid	NS	NS	0.23 U	0.22 U	0.26 U	0.35 U	0.34 U
Perfluorotridecanoic acid	NS	NS	0.23 U	0.22 U	0.26 UJ	0.35 U	0.34 U
Perfluoroundecanoic acid	NS	NS	0.23 U	0.22 U	0.26 U	0.35 U	0.34 U
Perflurorooctanesulfonamide	NS	NS	0.23 U	0.22 U	0.26 UJ	0.35 UJ	0.34 UJ

Table 2G
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

		AKRF Sample ID	RI-SB-17_0-2_20220614	RI-SB-17_12-14_20220614	RI-SB-17_15-17_20220614	FB-01_20220613
		Laboratory Sample ID	460-260116-5	460-260116-6	460-260116-7	460-260023-15
		Date Sampled	6/14/2022	6/14/2022	6/14/2022	6/13/2022
		Dilution Factor	1	1	1	1
		Unit	ppb	ppb	ppb	ppt
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	0.23 U	0.35 U	0.27 U	4.2 U
8:2 Fluorotelomer sulfonate	NS	NS	0.23 U	0.35 U	0.27 U	2.52 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.23 UJ	0.35 U	0.27 U	2.52 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.23 UJ	0.35 U	0.27 U	1.68 U
Perfluorobutanesulfonic acid	NS	NS	0.46 U	0.7 U	0.53 U	1.68 U
Perfluorobutanoic acid	NS	NS	0.044 J	0.35 U	0.27 U	4.2 U
Perfluorodecanesulfonic acid	NS	NS	0.23 U	0.35 U	0.27 U	1.68 U
Perfluorodecanoic acid	NS	NS	0.23 U	0.35 U	0.27 U	1.68 U
Perfluorododecanoic acid	NS	NS	0.23 U	0.35 U	0.27 U	1.68 U
Perfluoroheptanesulfonic acid	NS	NS	0.23 U	0.35 U	0.27 U	1.68 U
Perfluoroheptanoic acid	NS	NS	0.032 J	0.35 U	0.27 U	1.68 U
Perfluorohexanesulfonic acid	NS	NS	0.025 J	0.35 U	0.18 J	1.68 U
Perfluorohexanoic acid	NS	NS	0.057 J	0.35 U	0.27 U	1.68 U
Perfluorononanoic acid	NS	NS	0.23 U	0.35 U	0.27 U	1.68 U
Perfluorooctanesulfonic acid	0.88	44	0.09 J	0.35 U	0.27 U	1.68 U
Perfluorooctanoic acid	**0.66**	33	0.3	0.062 J	0.049 J	1.68 U
Perfluoropentanoic acid	NS	NS	0.23 U	0.35 U	0.27 U	1.68 U
Perfluorotetradecanoic acid	NS	NS	0.23 U	0.35 U	0.27 U	1.68 U
Perfluorotridecanoic acid	NS	NS	0.23 U	0.35 U	0.27 U	1.68 U
Perfluoroundecanoic acid	NS	NS	0.23 U	0.35 U	0.27 U	1.68 U
Perfluroroctanesulfonamide	NS	NS	0.23 U	0.35 UJ	0.27 U	1.68 U

Table 2G
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

		AKRF Sample ID	FB-01_20220614	FB-01_20220616
		Laboratory Sample ID	460-260116-12	460-260285-8
		Date Sampled	6/14/2022	6/16/2022
		Dilution Factor	1	1
		Unit	ppt	ppt
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	4.37 U	4.51 U
8:2 Fluorotelomer sulfonate	NS	NS	2.62 U	2.71 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	2.62 U	2.71 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	1.75 U	1.8 U
Perfluorobutanesulfonic acid	NS	NS	1.75 U	1.8 U
Perfluorobutanoic acid	NS	NS	4.37 U	4.51 U
Perfluorodecanesulfonic acid	NS	NS	1.75 U	1.8 U
Perfluorodecanoic acid	NS	NS	1.75 U	1.8 U
Perfluorododecanoic acid	NS	NS	1.75 U	1.8 U
Perfluoroheptanesulfonic acid	NS	NS	1.75 U	1.8 U
Perfluoroheptanoic acid	NS	NS	1.75 U	1.8 U
Perfluorohexanesulfonic acid	NS	NS	1.75 U	1.8 U
Perfluorohexanoic acid	NS	NS	1.75 U	1.8 U
Perfluorononanoic acid	NS	NS	1.75 U	1.8 U
Perfluorooctanesulfonic acid	0.88	44	1.75 U	1.8 U
Perfluorooctanoic acid	**0.66**	33	1.75 U	1.8 U
Perfluoropentanoic acid	NS	NS	1.75 U	1.8 U
Perfluorotetradecanoic acid	NS	NS	1.75 U	1.8 U
Perfluorotridecanoic acid	NS	NS	1.75 U	1.8 U
Perfluoroundecanoic acid	NS	NS	1.75 U	1.8 U
Perfluroroctanesulfonamide	NS	NS	1.75 U	1.8 U

Table 3A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of VOCs

AKRF Sample ID		RI-MW-01_20220801	RI-MW-X01_20220729	RI-MW-05A_20220729	RI-MW-09_20220630	RI-MW-11_20220630
Laboratory Sample ID		460-263026-2	460-262866-18	460-262866-16	460-261170-4	460-261170-5
Date Sampled		8/01/2022	7/29/2022	7/29/2022	6/30/2022	6/30/2022
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
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 UJ	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	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
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 UJ	1 UJ
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	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
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50	5 U	5 U	5 U	5 UJ	5 UJ
Acetone	50	7.2	5 UJ	5 UJ	5 U	5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 UJ	1 UJ
Bromomethane	5	1 U	1 UJ	1 UJ	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 UJ	1 UJ
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NS	0.78 J	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 UJ	1 UJ
Dichlorodifluoromethane	5	1 U	1 UJ	1 UJ	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	**5**	1 U	1 U	1 U	1 U	1 U
M,P-Xylenes	5	1 U	1 U	1 U	1 U	1 U
Methyl Acetate	NS	5 U	5 U	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	50	1.9 J	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	1.5	1 U	1 U	1 UJ	1 UJ
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
N-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
N-Propylbenzene	**5**	1 U	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	5	1 U	1 U	1 U	1 U	1 U
Sec-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U
T-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	5	1 U	1 U	1 U	1 U	1 U
Toluene	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
Trans-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	2 U	2 U	2 U	2 U	2 U

Table 3A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of VOCs

	AKRF Sample ID	RI-MW-13_20220630	RI-MW-14_20220630	RI-MW-X_20220630	RI-MW-17_20220630	RI-MW-25_20220801
	Laboratory Sample ID	460-261170-1	460-261170-2	460-261170-6	460-261170-3	460-263026-1
	Date Sampled	6/30/2022	6/30/2022	6/30/2022	6/30/2022	8/01/2022
	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
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	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
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	0.52 J	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 UJ	1 UJ	1 UJ	1 UJ	1 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	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
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50	5 UJ	5 UJ	5 UJ	5 UJ	5 U
Acetone	50	5.9	5 U	5.7	5 U	4.4 J
Benzene	1	0.86 J	1 U	1 U	1 U	1 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 UJ	1 UJ	1 UJ	1 UJ	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.55 J	1 U	1 U	1 U	1 U
Chloromethane	5	1 UJ	1 UJ	1 UJ	1 UJ	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	NS	1 UJ	1 U	1 U	1 U	1 U
Cyclohexane	NS	4.2	5.1	4.8	1 U	2.1
Dibromochloromethane	50	1 UJ	1 UJ	1 U	1 UJ	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	**5**	0.43 J	**5.4**	**5.2**	1 U	1 U
M,P-Xylenes	5	0.37 J	0.58 J	0.61 J	1 U	1 U
Methyl Acetate	NS	5 U	5 U	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	2.3 J-	15 J-	14 J-	1 UJ	0.88 J
Methylene Chloride	5	0.43 J	1 U	1 U	1 U	1 U
N-Butylbenzene	5	1 U	1.6	1.5	1 U	1 U
N-Propylbenzene	**5**	0.76 J	**7**	**6.7**	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	5	0.46 J	1 U	1 U	1 U	1 U
Sec-Butylbenzene	5	1 U	1.2	1.1	1 U	1 U
Styrene	5	1 UJ	1 U	1 U	1 U	1 U
T-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	1 U	1 U	1 U	1 U	0.65 J
Tetrachloroethylene (PCE)	5	1 U	1 U	1 U	1 U	1 U
Toluene	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
Trans-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	0.83 J	2 U	2 U	2 U	2 U

Table 3A
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of VOCs

	AKRF Sample ID	FB-01_20220630	FB-01_20220729	TB-01_20220630	TB-01_20220729	TB_20220801
	Laboratory Sample ID	460-261170-8	460-262866-19	460-261170-7	460-262866-17	460-263026-3
	Date Sampled	6/30/2022	7/29/2022	6/30/2022	7/29/2022	8/01/2022
	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
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	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
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 UJ	1 U	1 UJ	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	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
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50	5 UJ	5 U	5 UJ	5 U	5 U
Acetone	50	5 U	5 UJ	5 U	5 UJ	5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 UJ	1 U	1 UJ	1 U	1 U
Bromomethane	5	1 U	1 UJ	1 U	1 UJ	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 UJ	1 U	1 UJ	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NS	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 UJ	1 U	1 UJ	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 UJ	1 U	1 UJ	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	**5**	1 U	1 U	1 U	1 U	1 U
M,P-Xylenes	5	1 U	1 U	1 U	1 U	1 U
Methyl Acetate	NS	5 U	5 U	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	1 UJ	1 U	1 UJ	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
N-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
N-Propylbenzene	**5**	1 U	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	5	1 U	1 U	1 U	1 U	1 U
Sec-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U
T-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	5	1 U	1 U	1 U	1 U	1 U
Toluene	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
Trans-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	2 U	2 U	2 U	2 U	2 U

Table 3B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of SVOCs

	AKRF Sample ID	RI-MW-09_20220630	RI-MW-11_20220630	RI-MW-13_20220630	RI-MW-14_20220630	RI-MW-X_20220630	RI-MW-17_20220630
	Laboratory Sample ID	460-261170-4	460-261170-5	460-261170-1	460-261170-2	460-261170-6	460-261170-3
	Date Sampled	6/30/2022	6/30/2022	6/30/2022	6/30/2022	6/30/2022	6/30/2022
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,3,4,6-Tetrachlorophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	NS	10 U	10 U	10 UJ	10 U	10 U	10 UJ
2,4,6-Trichlorophenol	NS	10 U	10 U	10 UJ	10 U	10 U	10 UJ
2,4-Dichlorophenol	5	10 U	10 U	10 UJ	10 U	10 U	10 UJ
2,4-Dimethylphenol	50	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	20 U	20 U	20 UJ	20 U	20 U	20 UJ
2,4-Dinitrotoluene	5	2 U	2 U	2 U	2 U	2 U	2 U
2,6-Dinitrotoluene	5	2 U	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	NS	10 U	10 U	10 UJ	10 U	10 U	10 UJ
2-Methylnaphthalene	NS	10 U	10 U	10 U	10 U	10 U	0.92 J
2-Methylphenol (O-Cresol)	NS	10 U	10 U	10 UJ	10 U	10 U	10 UJ
2-Nitroaniline	5	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	NS	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
3- And 4- Methylphenol (Total)	NS	10 U	10 U	10 UJ	10 U	10 U	10 UJ
3,3'-Dichlorobenzidine	5	10 U	10 U	10 UJ	10 U	10 U	10 U
3-Nitroaniline	5	10 U	10 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-Methylphenol	NS	20 U	20 U	20 U	20 U	20 U	20 U
4-Bromophenyl Phenyl Ether	NS	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	NS	10 U	10 U	10 UJ	10 U	10 U	10 UJ
4-Chloroaniline	5	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	NS	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	NS	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	5	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	NS	20 U	20 U	20 UJ	20 U	20 U	20 UJ
Acenaphthene	20	10 U	10 U	10 U	10 U	10 U	1.2 J
Acenaphthylene	NS	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	NS	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U	10 U	10 U
Atrazine	7.5	2 U	2 U	2 U	2 U	2 U	2 U
Benzaldehyde	NS	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzo(a)Anthracene	0.002	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(a)Pyrene	ND	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)Fluoranthene	0.002	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(g,h,i)Perylene	NS	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	0.002	1 U	1 U	1 U	1 U	1 U	1 U
Benzyl Butyl Phthalate	50	10 U	10 U	10 U	10 U	10 U	10 U
Biphenyl (Diphenyl)	5	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	1 U	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Bis(2-Ethylhexyl) Phthalate	5	2 U	2 U	2 U	2 U	2 U	2 U
Caprolactam	NS	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Carbazole	NS	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)Anthracene	NS	1 U	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	NS	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	50	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	50	10 U	10 U	10 U	10 U	10 U	10 U
Di-N-Butyl Phthalate	50	10 U	10 U	10 U	10 U	10 U	10 U
Di-N-Octylphthalate	50	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	2 U	2 U	2 U	2 U	2 U	2 U
Indeno(1,2,3-c,d)Pyrene	0.002	2 U	2 U	2 U	2 U	2 U	2 U
Isophorone	50	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	2 U	2 U	2 U	2 U	2 U	2 U
Nitrobenzene	0.4	1 U	1 U	1 U	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	NS	1 U	1 U	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	50	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	NS	20 U	20 U	20 U	20 U	20 U	20 U
Phenanthrene	50	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	1	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Pyrene	50	10 U	10 U	10 U	10 U	10 U	10 U

Table 3B
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of SVOCs

AKRF Sample ID		RI-MW-25_20220801	FB-01_20220630	FB-01_20220729
Laboratory Sample ID		460-263026-1	460-261170-8	460-262866-19
Date Sampled		8/01/2022	6/30/2022	7/29/2022
Unit		µg/L	µg/L	µg/L
Dilution Factor		1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	NS	10 U	0.2 U	10 U
2,3,4,6-Tetrachlorophenol	NS	10 U	10 U	10 U
2,4,5-Trichlorophenol	NS	10 U	10 U	10 U
2,4,6-Trichlorophenol	NS	10 U	10 U	10 U
2,4-Dichlorophenol	5	10 U	10 U	10 U
2,4-Dimethylphenol	50	10 U	10 U	10 U
2,4-Dinitrophenol	10	40 U	20 U	40 U
2,4-Dinitrotoluene	5	10 U	2 U	10 U
2,6-Dinitrotoluene	5	2 U	2 U	2 U
2-Chloronaphthalene	10	10 U	10 U	10 U
2-Chlorophenol	NS	10 U	10 U	10 U
2-Methylnaphthalene	NS	10 U	10 U	10 U
2-Methylphenol (O-Cresol)	NS	10 U	10 U	10 U
2-Nitroaniline	5	10 U	10 U	10 U
2-Nitrophenol	NS	10 U	10 U	10 U
3- And 4- Methylphenol (Total)	NS	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U	10 U
3-Nitroaniline	5	10 U	10 U	10 U
4,6-Dinitro-2-Methylphenol	NS	20 U	20 U	20 U
4-Bromophenyl Phenyl Ether	NS	10 U	10 U	10 U
4-Chloro-3-Methylphenol	NS	10 U	10 U	10 U
4-Chloroaniline	5	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	NS	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	NS	10 U	10 U	10 U
4-Nitroaniline	5	10 U	10 U	10 U
4-Nitrophenol	NS	20 U	20 U	20 UJ
Acenaphthene	20	10 U	10 U	10 U
Acenaphthylene	NS	10 U	10 U	10 U
Acetophenone	NS	10 U	10 U	10 U
Anthracene	50	10 U	10 U	10 U
Atrazine	7.5	2 U	2 U	2 U
Benzaldehyde	NS	10 UJ	10 UJ	10 UJ
Benzo(a)Anthracene	0.002	1 U	1 U	1 U
Benzo(a)Pyrene	ND	1 U	1 U	1 U
Benzo(b)Fluoranthene	0.002	2 U	2 U	2 U
Benzo(g,h,i)Perylene	NS	10 U	10 U	10 U
Benzo(k)Fluoranthene	0.002	1 U	1 U	1 U
Benzyl Butyl Phthalate	50	10 U	10 U	3.6 J
Biphenyl (Diphenyl)	5	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	10 UJ	10 U	10 UJ
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	2 U	2 U	2 U
Caprolactam	NS	10 U	10 UJ	10 UJ
Carbazole	NS	10 U	10 U	10 U
Chrysene	0.002	2 U	2 U	2 U
Dibenz(a,h)Anthracene	NS	1 U	1 U	1 U
Dibenzofuran	NS	10 U	10 U	10 U
Diethyl Phthalate	50	10 U	10 U	10 U
Dimethyl Phthalate	50	10 U	10 U	10 U
Di-N-Butyl Phthalate	50	10 U	10 U	10 U
Di-N-Octylphthalate	50	10 U	10 U	10 U
Fluoranthene	50	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U
Hexachlorobenzene	0.04	1 U	1 U	1 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U
Hexachloroethane	5	2 U	2 U	2 U
Indeno(1,2,3-c,d)Pyrene	0.002	2 U	2 U	2 U
Isophorone	50	10 U	10 U	10 U
Naphthalene	10	2 U	2 U	2 U
Nitrobenzene	0.4	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	NS	1 U	1 U	1 U
N-Nitrosodiphenylamine	50	10 U	10 U	10 U
Pentachlorophenol	NS	20 U	20 U	20 U
Phenanthrene	50	10 U	10 U	10 U
Phenol	1	10 U	10 U	10 UJ
Pyrene	50	10 U	10 U	10 U

Table 3C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of Total Metals

	AKRF Sample ID	RI-MW-09_20220630	RI-MW-11_20220630	RI-MW-13_20220630	RI-MW-14_20220630
	Laboratory Sample ID	460-261170-4	460-261170-5	460-261170-1	460-261170-2
	Date Sampled	6/30/2022	6/30/2022	6/30/2022	6/30/2022
	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	68.9	2,510 J-	40 U
Antimony	3	2 U	2 U	2 U	2 U
Arsenic	25	3.7	3.5	3.4	2 U
Barium	1,000	175	63.5 J	100	160
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	113,000	45,600	128,000	160,000
Chromium, Total	50	4 U	4 U	4.7	4 U
Cobalt	NS	4 U	4 U	1.3 J	4 U
Copper	200	4 U	4 U	4.2	4 U
Iron	**300**	**13,800**	**1,480**	**7,860**	**1,700**
Lead	25	1.2 U	2.9	20.2	1.2 U
Magnesium	**35,000**	26,400	7,000	**57,600**	**39,100**
Manganese	**300**	**569**	177	**483 J+**	**531**
Mercury	0.7	0.2 U	0.2 U	0.13 J	0.2 U
Nickel	100	4 U	4 U	3.5 J	4 U
Potassium	NS	17,400	7,030	25,200	12,500
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**	**131,000**	**26,000**	**165,000**	**106,000 J**
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	4 U	4 U	7.6	0.71 J
Zinc	2,000	16 U	16 U	30.4	16 U

Table 3C
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of Total Metals

	AKRF Sample ID	RI-MW-X_20220630	RI-MW-17_20220630	FB-01_20220630	FB-01_20220729
	Laboratory Sample ID	460-261170-6	460-261170-3	460-261170-8	460-262866-19
	Date Sampled	6/30/2022	6/30/2022	6/30/2022	7/29/2022
	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	26.2 J	240	40 U	NR
Antimony	3	2 U	0.96 J	2 U	NR
Arsenic	25	2 U	4	2 U	NR
Barium	1,000	165	149	4 U	NR
Beryllium	3	0.8 U	0.8 U	0.8 U	NR
Cadmium	5	2 U	2 U	2 U	NR
Calcium	NS	158,000	107,000	500 U	NR
Chromium, Total	50	4 U	4 U	4 U	NR
Cobalt	NS	4 U	4 U	4 U	NR
Copper	200	4 U	4 U	4 U	NR
Iron	**300**	**1,790**	**3,400**	120 U	NR
Lead	25	1.2 U	10	1.2 U	1.2 U
Magnesium	**35,000**	**39,700**	15,800	200 U	NR
Manganese	**300**	**540**	**636**	8 U	NR
Mercury	0.7	0.2 U	0.12 J	0.2 U	NR
Nickel	100	4 U	4 U	4 U	NR
Potassium	NS	12,600	9,460	200 U	NR
Selenium	10	2.5 U	2.5 U	2.5 U	NR
Silver	50	2 U	2 U	2 U	NR
Sodium	**20,000**	**76,700**	18,600	500 U	NR
Thallium	0.5	0.8 U	0.8 U	0.8 U	NR
Vanadium	NS	0.77 J	1.4 J	4 U	NR
Zinc	2,000	16 U	16 U	16 U	NR

Table 3D
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of Dissolved Metals

	AKRF Sample ID	RI-MW-09_20220630	RI-MW-11_20220630	RI-MW-13_20220630	RI-MW-14_20220630	RI-MW-X_20220630	RI-MW-17_20220630
	Laboratory Sample ID	460-261170-4	460-261170-5	460-261170-1	460-261170-2	460-261170-6	460-261170-3
	Date Sampled	6/30/2022	6/30/2022	6/30/2022	6/30/2022	6/30/2022	6/30/2022
	Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	40 U	40 U	40 U	40 U	40 U	40 U
Antimony	3	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	25	3.1	3.5	2	2 U	2 U	2.8
Barium	1,000	177	81 J	91.5	167	170	149
Beryllium	3	0.8 U	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	2 U
Calcium	NS	121,000	45,100	128,000	163,000	166,000	108,000
Chromium, Total	50	4 U	4 U	4 U	4 U	4 U	4 U
Cobalt	NS	4 U	4 U	4 U	4 U	4 U	4 U
Copper	200	4 U	4 U	4 U	4 U	4 U	4 U
Iron	**300**	**12,600**	**1,290**	**4,890**	**1,580**	**1,570**	**2,710**
Lead	25	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Magnesium	**35,000**	23,200	6,320	**50,500**	**35,900**	**35,600**	14,600
Manganese	**300**	**527**	177	**427**	**501**	**513**	**599**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	4 U	4 U	4 U	4 U	4 U	4 U
Potassium	NS	17,400	7,170	25,000	12,800	12,900	9,490
Selenium	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Silver	50	2 U	2 U	2 U	2 U	2 U	2 U
Sodium	**20,000**	**115,000**	**23,200**	**122,000**	**71,500**	**68,000**	17,200
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	4 U	4 U	0.87 J	4 U	4 U	4 U
Zinc	2,000	16 U	16 U	16 U	16 U	16 U	16 U

Table 3E
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of PCBs

	AKRF Sample ID	RI-MW-09_20220630	RI-MW-11_20220630	RI-MW-13_20220630	RI-MW-14_20220630
	Laboratory Sample ID	460-261170-4	460-261170-5	460-261170-1	460-261170-2
	Date Sampled	6/30/2022	6/30/2022	6/30/2022	6/30/2022
	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
PCB-1016 (Aroclor 1016)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1262 (Aroclor 1262)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	NS	0.4 U	0.4 U	0.4 U	0.4 U
Total PCBs	0.09	0.4 U	0.4 U	0.4 U	0.4 U

Table 3E
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of PCBs

	AKRF Sample ID	RI-MW-X_20220630	RI-MW-17_20220630	FB-01_20220630
	Laboratory Sample ID	460-261170-6	460-261170-3	460-261170-8
	Date Sampled	6/30/2022	6/30/2022	6/30/2022
	Unit	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	0.4 U	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	NS	0.4 U	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	NS	0.4 U	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	NS	0.4 U	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	NS	0.4 U	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	NS	0.4 U	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	NS	0.4 U	0.4 U	0.4 U
PCB-1262 (Aroclor 1262)	NS	0.4 U	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	NS	0.4 U	0.4 U	0.4 U
Total PCBs	0.09	0.4 U	0.4 U	0.4 U

Table 3F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of Pesticides

	AKRF Sample ID	RI-MW-09_20220630	RI-MW-11_20220630	RI-MW-13_20220630	RI-MW-14_20220630
	Laboratory Sample ID	460-261170-4	460-261170-5	460-261170-1	460-261170-2
	Date Sampled	6/30/2022	6/30/2022	6/30/2022	6/30/2022
	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
Aldrin	ND	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	NS	0.02 U	0.02 U	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	0.02 U	0.02 U	0.02 U	0.02 U
Beta Endosulfan	NS	0.02 U	0.02 U	0.02 U	0.02 U
cis-Chlordane	NS	0.02 U	0.02 U	0.02 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	NS	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfans ABS	NS	NR	NR	NR	NR
Endrin	ND	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Ketone	5	0.02 U	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	0.05	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	0.03	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	35	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.3	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDE	0.2	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDT	0.2	0.02 U	0.02 U	0.02 U	0.02 U
Silvex (2,4,5-TP)	0.26	1.2 U	1.2 U	1.2 U	1.2 U
Toxaphene	0.06	0.5 U	0.5 U	0.5 U	0.5 U

Table 3F
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of Pesticides

	AKRF Sample ID	RI-MW-X_20220630	RI-MW-17_20220630	FB-01_20220630
	Laboratory Sample ID	460-261170-6	460-261170-3	460-261170-8
	Date Sampled	6/30/2022	6/30/2022	6/30/2022
	Unit	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q
Aldrin	ND	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	NS	0.02 U	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	0.02 U	0.02 U	0.02 U
Beta Endosulfan	NS	0.02 U	0.02 U	0.02 U
cis-Chlordane	NS	0.02 U	0.02 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	NS	0.02 U	0.02 U	0.02 U
Endosulfans ABS	NS	NR	NR	0 U
Endrin	ND	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	0.02 U	0.02 U	0.02 U
Endrin Ketone	5	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	0.05	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	0.03	0.02 U	0.02 U	0.02 U
Methoxychlor	35	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.3	0.02 U	0.02 U	0.02 U
P,P'-DDE	0.2	0.02 U	0.02 U	0.02 U
P,P'-DDT	0.2	0.02 U	0.02 U	0.02 U
Silvex (2,4,5-TP)	0.26	1.2 U	1.2 U	1.2 U
Toxaphene	0.06	0.5 U	0.5 U	0.5 U

Table 3G
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of PFAS

	AKRF Sample ID	RI-MW-09_20220630	RI-MW-11_20220630	RI-MW-13_20220630	RI-MW-14_20220630
	Laboratory Sample ID	460-261180-4	460-261180-5	460-261180-1	460-261180-2
	Date Sampled	6/30/2022	6/30/2022	6/30/2022	6/30/2022
	Unit	ppt	ppt	ppt	ppt
	Dilution Factor	1	1	1	1
Compound	**NYSDEC PFAS Guidance Value**	CONC Q	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	100	4.62 U	4.77 U	4.51 U	4.8 U
8:2 Fluorotelomer sulfonate	100	2.77 U	2.86 U	2.7 U	2.88 U
N-ethyl perfluorooctanesulfonamidoacetic acid	100	2.77 U	2.86 U	2.7 U	2.88 U
N-methyl perfluorooctanesulfonamidoacetic acid	100	1.85 U	1.91 U	1.8 U	1.92 U
Perfluorobutanesulfonic acid	100	7.93 J+	2.18 J+	4.72 J+	4.02 J+
Perfluorobutanoic acid	100	4.62 R	7.05	4.21 J+	4.56 J
Perfluorodecanesulfonic acid	100	1.85 U	1.91 U	1.8 UJ	1.92 U
Perfluorodecanoic acid	100	1.85 U	1.31 J	1.8 U	1.92 U
Perfluorododecanoic acid	100	1.85 U	1.91 U	1.8 U	1.92 U
Perfluoroheptanesulfonic acid	100	1.85 U	1.91 U	1.8 U	1.92 U
Perfluoroheptanoic acid	100	7.72	3.47	3.79 J+	5.22
Perfluorohexanesulfonic acid	100	1.37 J	0.66 J	1.36 J	1.66 J
Perfluorohexanoic acid	100	4.81	3.64	4.56	3.44
Perfluorononanoic acid	100	0.7 J	1.18 J	0.51 J	1.13 J
Perfluorooctanesulfonic acid	10	1.85 U	1.91 U	1.8 U	1.92 U
Perfluorooctanoic acid	***10***	***60.3 J+***	***22.5***	***62.4 J-***	***57.8***
Perfluoropentanoic acid	100	7.43 J+	3.48	3.01	7.35
Perfluorotetradecanoic acid	100	1.85 U	1.91 U	1.8 U	1.92 U
Perfluorotridecanoic acid	100	1.85 U	1.91 U	1.8 UJ	1.92 U
Perfluoroundecanoic acid	100	1.85 U	1.91 U	1.8 U	1.92 U
Perflurooctanesulfonamide	100	1.94	1.74 J	1.8 J-	0.92 J-

Table 3G
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Groundwater Analytical Results of PFAS

	AKRF Sample ID	RI-MW-X_20220630	RI-MW-17_20220630	FB-01_20220630
	Laboratory Sample ID	460-261180-6	460-261180-3	460-261180-7
	Date Sampled	6/30/2022	6/30/2022	6/30/2022
	Unit	ppt	ppt	ppt
	Dilution Factor	1	1	1
Compound	**NYSDEC PFAS Guidance Value**	CONC Q	CONC Q	CONC Q
6:2 Fluorotelomer sulfonate	100	5.26 U	4.69 U	4.14 U
8:2 Fluorotelomer sulfonate	100	3.16 U	2.81 U	2.48 U
N-ethyl perfluorooctanesulfonamidoacetic acid	100	3.16 U	2.81 U	2.48 U
N-methyl perfluorooctanesulfonamidoacetic acid	100	2.1 U	1.87 U	1.65 U
Perfluorobutanesulfonic acid	100	4.68	2.08	1.65 U
Perfluorobutanoic acid	100	4.09 J	4.13 J	4.14 U
Perfluorodecanesulfonic acid	100	2.1 U	1.87 U	1.65 U
Perfluorodecanoic acid	100	2.1 U	0.91 J	1.65 U
Perfluorododecanoic acid	100	2.1 U	1.87 U	1.65 U
Perfluoroheptanesulfonic acid	100	2.1 U	1.87 U	1.65 U
Perfluoroheptanoic acid	100	4.87	3.2	1.65 U
Perfluorohexanesulfonic acid	100	1.56 J	1.07 J	1.65 U
Perfluorohexanoic acid	100	4.33	3.32	1.65 U
Perfluorononanoic acid	100	1.07 J	1.64 J	1.65 U
Perfluorooctanesulfonic acid	10	2.1 U	1.87 U	1.65 U
Perfluorooctanoic acid	***10***	***67.1***	***22.7***	1.65 U
Perfluoropentanoic acid	100	9.16	3.73	1.65 U
Perfluorotetradecanoic acid	100	2.1 U	1.87 U	1.65 U
Perfluorotridecanoic acid	100	2.1 U	1.87 U	1.65 U
Perfluoroundecanoic acid	100	2.1 U	1.87 U	1.65 U
Perfluroroctanesulfonamide	100	0.78 J	1.05 J	1.65 U

Table 4
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Vapor Analytical Results of VOCs

Sample ID	RI-SV-02_20220728	RI-SV-02_20220728	RI-SV-05_20220622	RI-SV-05_20220622	RI-SV-06_20220622	RI-SV-07_20220622	RI-SV-09_20220622
Lab Sample ID	200-64363-6	200-64363-6	200-63931-3	200-63931-3	200-63931-4	200-63931-2	200-63931-1
Date Sampled	7/28/2022	7/28/2022	6/22/2022	6/22/2022	6/22/2022	6/22/2022	6/22/2022
Unit	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$
Dilution Factor	10	50	20	100	1	1	1
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	NR	3,800 J	26	NR	1.1 U	1.5	1.1 U
1,1,2,2-Tetrachloroethane	14 UJ	NR	27 U	NR	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	15 UJ	NR	31 U	NR	1.5 U	0.46 J	1.5 U
1,1,2-Trichloroethane	11 UJ	NR	22 U	NR	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	73 J	NR	16 U	NR	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	4.2 J	NR	4 U	NR	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	37 UJ	NR	74 U	NR	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	6.5 J	NR	20 U	NR	0.5 J	1.2	0.98 U
1,2-Dibromoethane (Ethylene Dibromide)	15 UJ	NR	31 U	NR	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	12 UJ	NR	24 U	NR	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	8.1 UJ	NR	16 U	NR	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	9.2 UJ	NR	18 U	NR	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	14 UJ	NR	28 U	NR	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	2.2 J	NR	20 U	NR	0.98 U	0.3 J	0.98 U
1,3-Butadiene	5.3 J	NR	8.8 U	NR	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	12 UJ	NR	24 U	NR	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	12 UJ	NR	24 U	NR	1.2 U	1.2 U	1.2 U
2,2,4-Trimethylpentane	9.3 UJ	NR	19 U	NR	0.43 J	1.8	210 J
2-Chlorotoluene	10 UJ	NR	21 U	NR	1 U	1 U	1 U
2-Hexanone	20 UJ	NR	41 U	NR	2 U	2 U	2 U
4-Ethyltoluene	9.8 UJ	NR	20 U	NR	0.98 U	0.98 U	0.98 U
Acetone	370 J	NR	240 U	NR	6.1 J	9 J	76
Allyl Chloride (3-Chloropropene)	16 UJ	NR	31 U	NR	1.6 U	1.6 U	1.6 U
Benzene	4 J	NR	8.1 J	NR	0.3 J	3	14
Benzyl Chloride	10 UJ	NR	21 U	NR	1 U	1 U	1 U
Bromodichloromethane	13 UJ	NR	27 U	NR	1.3 U	1.3 U	1.3 U
Bromoform	21 UJ	NR	41 U	NR	2.1 U	2.1 U	2.1 U
Bromomethane	7.8 UJ	NR	16 U	NR	0.78 U	0.78 U	0.78 U
Butane	65 J	NR	810	NR	1 J	0.91 J	2,600 J
Carbon Disulfide	13 J	NR	31 U	NR	2.5	1.6 U	23
Carbon Tetrachloride	2.2 UJ	NR	4.4 U	NR	0.36	1.7	0.22 U
Chlorobenzene	9.2 UJ	NR	18 U	NR	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	18 UJ	NR	35 U	NR	1.5 J	0.48 J	1.8 U
Chloroethane	13 UJ	NR	26 U	NR	1.3 U	1.3 U	1.3 U
Chloroform	5.5 J	NR	350	NR	0.8 J	180	0.98 U
Chloromethane	10 UJ	NR	21 U	NR	0.72 J	1 U	1 U
Cis-1,2-Dichloroethylene	2 UJ	NR	22	NR	0.2 U	0.2 U	0.2 U
Cis-1,3-Dichloropropene	9.1 UJ	NR	18 U	NR	0.91 U	0.91 U	0.91 U
Cyclohexane	14 J	NR	14 U	NR	0.92	0.69 U	260 J
Cymene	11 UJ	NR	22 U	NR	1.1 U	1.1 U	1.1 U
Dibromochloromethane	17 UJ	NR	34 U	NR	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	25 UJ	NR	49 U	NR	2.3 J	2.7	0.73 J
Ethylbenzene	12 J	NR	17 U	NR	0.74 J	3	0.87 U
Hexachlorobutadiene	21 UJ	NR	43 U	NR	2.1 U	2.1 U	2.1 U
Isopropanol	120 UJ	NR	250 U	NR	12 U	12 U	2.4 J
Isopropylbenzene (Cumene)	9.8 UJ	NR	20 U	NR	0.98 U	0.98 U	0.39 J
M,P-Xylenes	55 J	NR	43 U	NR	1.4 J	9.7	7
Methyl Ethyl Ketone (2-Butanone)	28 J	NR	12 J	NR	1.1 J	1.2 J	16
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	20 UJ	NR	41 U	NR	2 U	2 U	2 U
Methyl Methacrylate	20 UJ	NR	41 U	NR	2 U	2 U	2 U
Methylene Chloride	6.8 J	NR	35 U	NR	0.73 J	1.7 U	1.7 U
Naphthalene	26 UJ	NR	52 U	NR	2.6 U	2.6 U	1.2 J
N-Butylbenzene	11 UJ	NR	22 U	NR	1.1 U	1.1 U	1.1 U
N-Heptane	18 J	NR	130	NR	0.51 J	0.81 J	0.82 U
N-Hexane	22 J	NR	230	NR	0.87 J	1.8 U	390 J
N-Propylbenzene	9.8 UJ	NR	20 U	NR	0.98 U	0.98 U	0.72 J
O-Xylene (1,2-Dimethylbenzene)	15 J	NR	17 U	NR	0.48 J	1.8	0.87 U
Sec-Butylbenzene	11 UJ	NR	22 U	NR	1.1 U	1.1 U	1.1 U
Styrene	8.5 UJ	NR	17 U	NR	0.85 U	3	0.85 U
T-Butylbenzene	11 UJ	NR	22 U	NR	1.1 U	1.1 U	1.1 U
Tert-Butyl Alcohol	93 J	NR	300 U	NR	15 U	6.4 J	11 J
Tert-Butyl Methyl Ether	7.2 UJ	NR	14 U	NR	0.72 U	0.72 U	0.72 U
Tetrachloroethylene (PCE)	130 J	NR	20 J	NR	0.89 J	4.3	0.85 J
Tetrahydrofuran	150 UJ	NR	290 U	NR	15 U	15 U	15 U
Toluene	9.2 J	NR	18	NR	3.9	41	14
Trans-1,2-Dichloroethene	7.9 UJ	NR	16 U	NR	0.79 U	0.79 U	0.79 U
Trans-1,3-Dichloropropene	9.1 UJ	NR	18 U	NR	0.91 U	0.91 U	0.91 U
Trichloroethylene (TCE)	5.5 J	NR	NR	5,200	1.1	0.6	0.2 U
Trichlorofluoromethane	11 UJ	NR	22 U	NR	1.5	1.7	1.1 U
Vinyl Bromide	8.7 UJ	NR	17 U	NR	0.87 U	0.87 U	0.87 U
Vinyl Chloride	2 UJ	NR	4 U	NR	0.2 U	0.2 U	0.2 U

Table 4
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Vapor Analytical Results of VOCs

Sample ID	RI-SV-13_20220622	RI-SV-14_20220622	RI-SV-16_20220622	RI-SV-17_20220622	RI-SV-18_20220621	RI-SV-19_20220621	RI-SV-20_20220621
Lab Sample ID	200-63931-7	200-63931-8	200-63931-6	200-63931-5	200-63928-7	200-63928-6	200-63928-5
Date Sampled	6/22/2022	6/22/2022	6/22/2022	6/22/2022	6/21/2022	6/21/2022	6/21/2022
Unit	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Dilution Factor	1	1	1	1	1	1	1
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	1.1 U	1.1 U	1.1 U	2.7	1.1 U	9.8	0.68 J
1,1,2,2-Tetrachloroethane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	1.5 U	1.5 U	0.49 J	1.5 U	0.55 J	1.5 U	1.5 U
1,1,2-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	0.72 J	1.3	0.65 J	0.68 J	1.6	2	3
1,2-Dibromoethane (Ethylene Dibromide)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.9 J
1,3,5-Trimethylbenzene (Mesitylene)	0.23 J	0.98 U	0.98 U	0.98 U	0.44 J	0.45 J	0.73 J
1,3-Butadiene	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.76	0.44 U
1,3-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
2,2,4-Trimethylpentane	1.3	2	0.72 J	1.5	1.9	1.6	1.5
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	0.85 J	1.7 J	2 U	3.5	2 U	2 U	2 U
4-Ethyltoluene	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Acetone	52	120 J	47	180 J	56	43	27
Allyl Chloride (3-Chloropropene)	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Benzene	1.6	0.34 J	0.3 J	0.64 U	0.53 J	0.79	4
Benzyl Chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butane	7.6	1.2 U	1.2 U	10	3.2	100 J	2.6
Carbon Disulfide	1.7	3.1	0.51 J	1.8	14	1.8	0.49 J
Carbon Tetrachloride	0.22 U	0.22 U	0.22 U	4.6	0.22 U	0.22 U	0.22 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	0.4 J	0.41 J	1.8 U	0.55 J	0.94 J	0.66 J	2.7
Chloroethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	5.6	0.65 J	0.98 U	24	0.98 U	0.62 J	1.7
Chloromethane	0.69 J	0.42 J	0.5 J	0.35 J	0.94 J	0.59 J	0.6 J
Cis-1,2-Dichloroethylene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cis-1,3-Dichloropropene	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	1.2	1.4	1.4	0.92	1.4	0.69 U	4.9
Cymene	1.1 U	0.33 J	1.1 U	1.1 U	0.39 J	0.31 J	0.78 J
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	5.3	2.8	3.1	18	2.2 J	2 J	4.3
Ethylbenzene	0.53 J	0.75 J	0.64 J	0.56 J	1.3	1.1	3.5
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropanol	3 J	7 J	3.5 J	4.1 J	2.8 J	12 U	4.6 J
Isopropylbenzene (Cumene)	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
M,P-Xylenes	1.8 J	1.7 J	1.6 J	1.1 J	2.9	2.3	9.2
Methyl Ethyl Ketone (2-Butanone)	3.7	8.8	2.4	18	4.9	2.8	2.5
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Methacrylate	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylene Chloride	1.7 U	1.7 U	1.7 U	1.7 U	2.4	1.7 U	16
Naphthalene	0.94 J	2.6 U	2.6 U	2.6 U	1.8 J	2.1 J	2.6 U
N-Butylbenzene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
N-Heptane	0.82 U	0.6 J	0.82 U	2	3.4	2.7	37
N-Hexane	0.83 J	1.8 U	0.93 J	3.1	5.7	11	60
N-Propylbenzene	0.98 U	0.98 U	0.98 U	0.98 U	0.27 J	0.23 J	0.4 J
O-Xylene (1,2-Dimethylbenzene)	0.67 J	0.74 J	0.69 J	0.48 J	1.1	0.89	2.2
Sec-Butylbenzene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Styrene	0.5 J	0.85 U	0.82 J	0.29 J	0.85 U	0.85 U	0.85 U
T-Butylbenzene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Tert-Butyl Alcohol	14 J	46	6.8 J	61	11 J	9.4 J	15 U
Tert-Butyl Methyl Ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Tetrachloroethylene (PCE)	3.2	16	220	160	1.9	4.4	5.7
Tetrahydrofuran	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Toluene	3.1	5.4	4.6	3.5	10	9	11
Trans-1,2-Dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trans-1,3-Dichloropropene	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethylene (TCE)	0.2 U	0.2 U	0.95	1.2	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	1.1	0.84 J	1.3	1.6	1.7	1.2	1.4
Vinyl Bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table 4
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Vapor Analytical Results of VOCs

Sample ID	RI-SV-21_20220621	RI-SV-22_20220621	RI-SV-23_20220621	RI-SV-24_20220621	RI-SV-29_20220728	RI-SV-29_20220728	RI-SV-30_20220728
Lab Sample ID	200-63928-4	200-63928-3	200-63928-2	200-63928-1	200-64363-1	200-64363-1	200-64363-5
Date Sampled	6/21/2022	6/21/2022	6/21/2022	6/21/2022	7/28/2022	7/28/2022	7/28/2022
Unit	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Dilution Factor	1	1	1	1	5	20	1
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	1.1 U	1.1 U	1.1 U	0.85 J	16	NR	1.7
1,1,2,2-Tetrachloroethane	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	NR	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	1.5 U	0.5 J	1.5 U	1.5 U	7.7 U	NR	0.54 J
1,1,2-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	NR	1.1 U
1,1-Dichloroethane	0.81 U	0.81 U	0.81 U	0.81 U	4 U	NR	0.81 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	1 U	NR	0.2 U
1,2,4-Trichlorobenzene	3.7 UJ	3.7 UJ	3.7 UJ	3.7 UJ	19 U	NR	3.7 U
1,2,4-Trimethylbenzene	4.1	4.1	4.5	3.6	4.5 J	NR	4.4
1,2-Dibromoethane (Ethylene Dibromide)	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	NR	1.5 U
1,2-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	6 U	NR	1.2 U
1,2-Dichloroethane	0.81 U	0.81 U	0.81 U	0.81 U	4 U	NR	0.81 U
1,2-Dichloropropane	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	NR	0.92 U
1,2-Dichlorotetrafluoroethane	1.4 U	1.4 U	1.4 U	1.4 U	7 U	NR	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	1.4	1.3	1.2	0.78 J	1.4 J	NR	1.8
1,3-Butadiene	1.7	0.38 J	0.44	0.66	2.2 U	NR	0.44 U
1,3-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	6 U	NR	1.2 U
1,4-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	6 U	NR	1.2 U
2,2,4-Trimethylpentane	3.2	1.6	1.9	1.3	4.7 U	NR	0.93 U
2-Chlorotoluene	1 U	1 U	1 U	1 U	5.2 U	NR	1 U
2-Hexanone	2 U	2 U	2 U	2 U	10 U	NR	2 U
4-Ethyltoluene	0.98	0.98	1.1	0.67 J	4.9 U	NR	1.2
Acetone	82	50	100 J	36	59 U	NR	42
Allyl Chloride (3-Chloropropene)	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	NR	1.6 U
Benzene	20	4.8	32	1.2	1.7 J	NR	23
Benzyl Chloride	1 U	1 U	1 U	1 U	5.2 U	NR	1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	NR	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	10 U	NR	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	NR	0.78 U
Butane	21	8.3	86	25	2.4 J	NR	8.3
Carbon Disulfide	8.1	3	13	7	8.1	NR	1.9
Carbon Tetrachloride	0.52	0.3	0.22 U	0.55	2.8	NR	2
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	NR	0.92 U
Chlorodifluoromethane	1.2 J	0.96 J	0.76 J	1.3 J	8.8 U	NR	0.8 J
Chloroethane	1.3 U	1.3 U	1.3 U	1.3 U	6.6 U	NR	1.3 U
Chloroform	3	16	0.51 J	0.53 J	43	NR	9.9
Chloromethane	2.4	0.4 J	0.41 J	0.54 J	5.2 U	NR	0.82 J
Cis-1,2-Dichloroethylene	0.2 U	0.2 U	0.2 U	0.2 U	1 U	NR	0.2 U
Cis-1,3-Dichloropropene	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	NR	0.91 U
Cyclohexane	27	25	19	2.6	0.86 J	NR	0.56 J
Cymene	1.1	1.1	1.2	0.81 J	5.5 U	NR	1.1 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	NR	1.7 U
Dichlorodifluoromethane	1.9 J	1.8 J	2 J	2.1 J	12 U	NR	1.5 J
Ethylbenzene	4.4	2.9	3.2	2.3	3.9 J	NR	12
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	11 U	NR	2.1 U
Isopropanol	4.2 J	3.2 J	3.5 J	2.5 J	61 U	NR	12 U
Isopropylbenzene (Cumene)	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	NR	0.98 U
M,P-Xylenes	12	7.7	6.9	5.5	19	NR	47
Methyl Ethyl Ketone (2-Butanone)	8.2	3.2	9	2.3	7.6	NR	6.3
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2 U	2 U	2 U	2 U	10 U	NR	2.4
Methyl Methacrylate	2 U	2 U	2 U	2 U	10 U	NR	2 U
Methylene Chloride	1.6 J	4.2	0.76 J	1.9	5.6 J	NR	1.7 U
Naphthalene	2.6 UJ	2.6 UJ	2.6 UJ	2.6 UJ	13 U	NR	2.6 U
N-Butylbenzene	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	NR	1.1 U
N-Heptane	67	3.7	19	4	4.1 U	NR	6.5
N-Hexane	63	8.6	38	6.7	8.8 U	NR	3.3
N-Propylbenzene	0.73 J	0.65 J	0.69 J	0.47 J	4.9 U	NR	1.2
O-Xylene (1,2-Dimethylbenzene)	4	2.7	2.2	1.7	5.6	NR	21
Sec-Butylbenzene	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	NR	1.1 U
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	4.3 U	NR	3.9
T-Butylbenzene	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	NR	1.1 U
Tert-Butyl Alcohol	15	11 J	15	9.1 J	76 U	NR	15 U
Tert-Butyl Methyl Ether	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	NR	0.72 U
Tetrachloroethylene (PCE)	11	23	4.1	3.3	9.1	NR	25
Tetrahydrofuran	15 U	15 U	15 U	15 U	74 U	NR	15 U
Toluene	41	15	11	10	6.1	NR	89
Trans-1,2-Dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	4 U	NR	0.79 U
Trans-1,3-Dichloropropene	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	NR	0.91 U
Trichloroethylene (TCE)	2.3	0.39	0.2 U	0.58	NR	1,100	2
Trichlorofluoromethane	1.4	2.1	1.7	1.6	2.5 J	NR	1.8
Vinyl Bromide	0.87 U	0.87 U	0.87 U	0.87 U	4.4 U	NR	0.87 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	1 U	NR	0.2 U

Table 4
Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY
Remedial Investigation
Soil Vapor Analytical Results of VOCs

Sample ID	RI-SV-31_20220728	RI-SV-32_20220728	RI-SV-33_20220728	RI-AA-01_20220621	RI-AA-01_20220622
Lab Sample ID	200-64363-3	200-64363-2	200-64363-4	200-63928-8	200-63931-9
Date Sampled	7/28/2022	7/28/2022	7/28/2022	6/21/2022	6/22/2022
Unit	μg/m^3	μg/m^3	μg/m^3	μg/m^3	μg/m^3
Dilution Factor	1	1	1	1	1
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	10	17	3.5	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.44 J	1.5 U	0.51 J	1.5 U	1.5 U
1,1,2-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	0.98 U	6.3	2.5	0.44 J	0.98 U
1,2-Dibromoethane (Ethylene Dibromide)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	1.4 U	1.4 U	1.4 U	1.4 U	3.1
1,3,5-Trimethylbenzene (Mesitylene)	0.98 U	1.9	0.81 J	0.98 U	0.98 U
1,3-Butadiene	0.44 U	0.42 J	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
2,2,4-Trimethylpentane	0.93 U	0.93 U	0.52 J	0.81 J	0.93 U
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U
2-Hexanone	2 U	6.5	2 U	2 U	2 U
4-Ethyltoluene	0.98 U	1.5	0.64 J	0.98 U	0.98 U
Acetone	7.6 J	1,500 J	28	13	6.6 J
Allyl Chloride (3-Chloropropene)	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Benzene	0.64 U	4.6	0.96	0.67	0.64 U
Benzyl Chloride	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butane	13	28	2.5	NR	NR
Carbon Disulfide	3.7	13	54	1.6 U	1.6 U
Carbon Tetrachloride	0.22 U	0.55	2.3	0.33	0.27
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	0.86 J	1.1 J	1.1 J	1.6 J	1.2 J
Chloroethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	35	6.3	2.1	0.98 U	0.98 U
Chloromethane	0.48 J	0.63 J	0.78 J	1	0.79 J
Cis-1,2-Dichloroethylene	1.1	0.2 U	0.2 U	0.2 U	0.2 U
Cis-1,3-Dichloropropene	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	0.3 J	11	0.59 J	1.5	0.69 U
Cymene	1.1 U	0.95 J	0.79 J	1.1 U	1.1 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	1.9 J	2.2 J	2 J	1.9 J	1.8 J
Ethylbenzene	0.87 U	4.7	2.6	0.56 J	0.87 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropanol	8.3 J	6 J	12 U	6 J	12 U
Isopropylbenzene (Cumene)	0.98 U	0.98 U	1.2	0.98 U	0.98 U
M,P-Xylenes	2.2 U	19	10	1.7 J	2.2 U
Methyl Ethyl Ketone (2-Butanone)	1.5 U	32	9.4	2.4	0.78 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2 U	12	2 U	2 U	2 U
Methyl Methacrylate	2 U	2 U	2 U	2 U	2 U
Methylene Chloride	2.4	17	1.5 J	8.1	1.7 U
Naphthalene	2.6 U	2.6 U	2.6 U	NR	NR
N-Butylbenzene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
N-Heptane	0.45 J	30	1.3	0.52 J	0.82 U
N-Hexane	1.8 U	19	1.2 J	8.6	1.8 U
N-Propylbenzene	0.98 U	1	0.45 J	0.98 U	0.98 U
O-Xylene (1,2-Dimethylbenzene)	0.87 U	6.4	3.2	0.65 J	0.87 U
Sec-Butylbenzene	1.1 U	1.1 U	1.1 U	1.1 U	0.21 J
Styrene	0.85 U	0.85 U	0.85 U	0.17 J	0.85 U
T-Butylbenzene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Tert-Butyl Alcohol	15 U	24	15 U	15 U	15 U
Tert-Butyl Methyl Ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Tetrachloroethylene (PCE)	4	26	9.1	0.76 J	1.1 J
Tetrahydrofuran	15 U	15 U	15 U	15 U	15 U
Toluene	0.41 J	29	4.4	4.4	0.95
Trans-1,2-Dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trans-1,3-Dichloropropene	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethylene (TCE)	83	120	6.4	0.2 U	0.2 U
Trichlorofluoromethane	1.7	2.1	1.5	1.1	0.86 J
Vinyl Bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

DEFINITIONS

H :	Sample result is estimated and biased high.
J :	The concentration given is an estimated value.
L :	Sample result is estimated and biased low.
ND :	The standard is a non-detectable concentration by the approved analytical method.
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.
+ :	Sample result is estimated and biased high.
- :	Sample result is estimated and biased low.
mg/kg :	milligrams per kilogram
ppb :	parts per billion
ppt :	parts per trillion
µg/L :	micrograms per liter
µg/m^3 :	micrograms per cubic meter of air

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].

Note: Endosulfans ABS represents the detected sum of Endosulfan I, Endosulfan II, and Endosulfan Sulfate.

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 with an underline.

EPA Hazardous Waste Criteria by TCLP : Protection of Environment. Chapter I - United States Environmental Protection Agency (EPA).
Subchapter I - Solid Wastes. Part 261 - Identification And Listing Of Hazardous Waste.
Subpart C - Characteristics Of Hazardous Waste. § 261.24 (b)
Table 1—Maximum Concentration of Contaminants for the Toxicity Characteristic.

Exceedances of the EPA Hazardous Waste Criteria are highlighted in bold font and gray shading.

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 Groundwater Guidance Values are highlighted in bold italic font.

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).

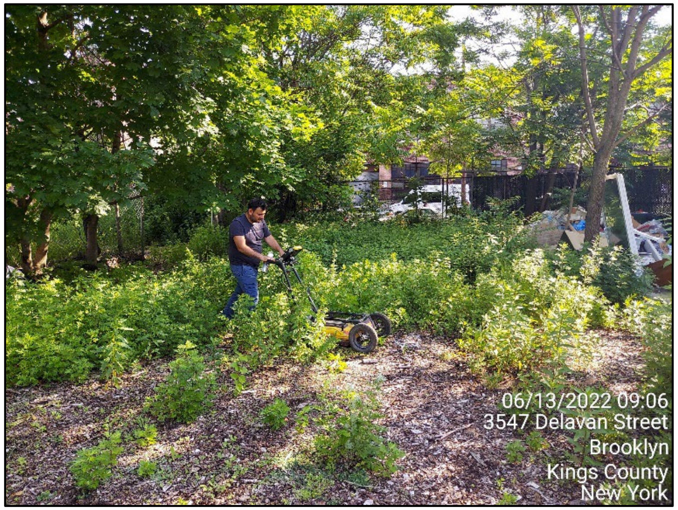
Exceedances of NYSDEC Class GA AWQSGVs are highlighted in bold font.

DUPLICATES

RI-MW-X_20220630 is a blind duplicate of sample RI-MW-14_20220630
RI-MW-X01_20220729 is a blind duplicate of sample RI-MW-05A_20220729
RI-SB-X01_20220613 is a blind duplicate of sample RI-SB-01_6-8_20220613
RI-SB-X01_20220614 is a blind duplicate of sample RI-SB-16_10-12_20220614
RI-SB-X01_20220616 is a blind duplicate of sample RI-SB-07_0-2_20220616
RI-SB-X01_20220617 is a blind duplicate of sample RI-SB-09E1_3-5_20220617
RI-SB-X01_20220727 is a blind duplicate of sample RI-SB-29_0-2_20220727
RI-SB-X01_20220728 is a blind duplicate of sample RI-SB-25_8-10_20220728
RI-SB-X02_20220617 is a blind duplicate of sample RI-SB-09W1_3-5_20220617

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION

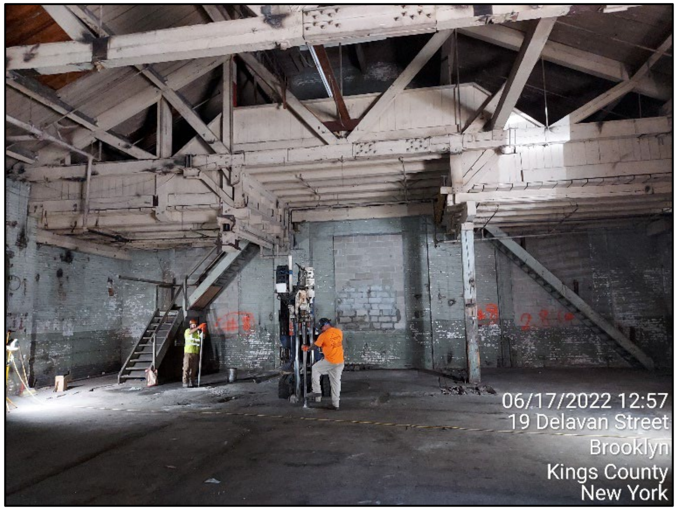


Photograph 1: Completion of geophysical survey across accessible portions of the Site. (June 2022)

Photograph 2: A metallic anomaly (suspected UST) in the southern portion of the warehouse. (June 2022)

Photograph 3: Installation of a groundwater monitoring well in the western portion of the Site. (June 2022)

Photograph 4: Installation of flush-mounted well cover at a newly installed monitoring well in the western portion of the Site. (June 2022)



Photograph 5: Geoprobe in position to advance soil borings in the warehouse in the eastern portion of the Site. (June 2022)

Photograph 6: Soil cores staged for field screening and sample collection. (June 2022)

Photograph 7: Field evidence of petroleum contamination (NAPL globules) observed at soil boring RI-SB-11. (June 2022)

Photograph 8: Field evidence of petroleum contamination (NAPL globules) observed at soil boring RI-SB-09. (June 2022)

Photograph 9: Installation of an off-site soil vapor point in the sidewalk along Verona Street. (June 2022).

Photograph 10: Purging of a soil vapor point prior to the collection of soil vapor sample. (June 2022)

Photograph 11: Collection of an off-site soil vapor sample in the sidewalk along Delavan Street. (June 2022)

Photograph 12: Development of monitoring well RI-MW-17 and soil vapor sampling at RI-SV-17. (June 2022)

Photograph 13: Collection of groundwater samples at RI-MW-14 via low-flow sampling equipment. (June 2022)

Photograph 14: Completion of a geophysical survey across accessible portions of the Site. (July 2022)

Photograph 15: Geoprobe in position to advance soil borings in the warehouse in the eastern portion of the Site. (June 2022)

Photograph 16: Installation of groundwater monitoring well in the northwestern portion of the Site. (July 2022)

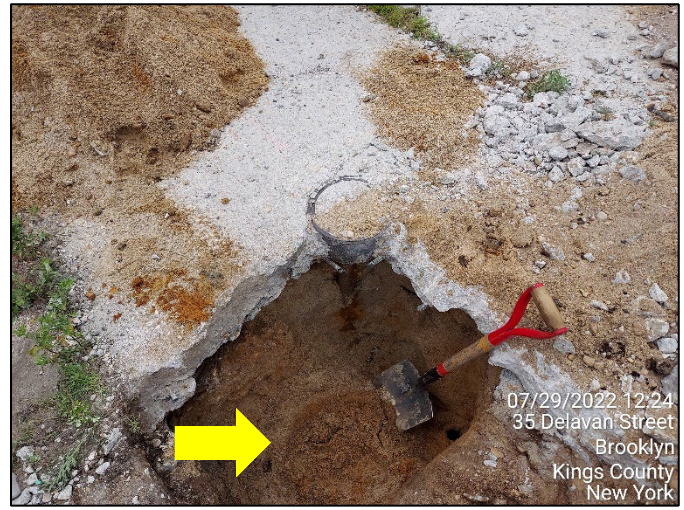
Photograph 17: Soil cores staged for field screening and sample collection. (June 2022)

Photograph 18: Purging of a soil vapor point prior to the collection of soil vapor sample. (July 2022)

Photograph 19: Collection of a soil vapor sample in the in the warehouse in the eastern portion of the Site. (July 2022)

Photograph 20: Collection of groundwater samples at RI-MW-01 via low-flow sampling equipment. (August 2022)

Photograph 21: Confirmation of an UST at the magnetic anomaly that was identified in the southern portion of the warehouse. (July 2022)



Photograph 22: Confirmation of an UST at the magnetic anomaly that was identified in the concrete lot in the western portion of the Site. (July 2022)

Photograph 23: NAPL detected at monitoring well RI-MW-07 in the central portion of the warehouse, in the vicinity of the confirmed UST. (July 2022)

APPENDIX B

GEOPHYSICAL SURVEY REPORTS

GEOPHYSICAL ENGINEERING SURVEY REPORT

NYC SCA Project Site
21 Delavan Street,
Brooklyn, New York 11231

NOVA PROJECT NUMBER:
22-2714

DATED:
June 17, 2022

PREPARED FOR:

AKRF

440 Park Avenue South, 7th Floor,
New York, NY 10016
www.akrf.com

PREPARED BY:

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions

56-01 Marathon Parkway # 765
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347-556-7787 (PHONE)
718-261-1527(FAX)
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NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS
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June 20, 2022

Rebecca A. Kinal, PE
Vice President

AKRF
P: 914.922.2362
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34 South Broadway, Suite 300,
White Plains, New York 10601

Re: Geophysical Engineering Survey (GES) Report
SCA Site
21 Delavan Street,
Brooklyn, New York 11231

Dear Ms. Kinal.

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 21 Delavan Street, New York, New York (the "Site")

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks (USTs) and other substructures on June 13th, 2022.

The equipment selected for this investigation was a Sensors and Software NOGGIN 250 MHz ground penetrating radar (GPR) with a shielded antenna and a RadioDetection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

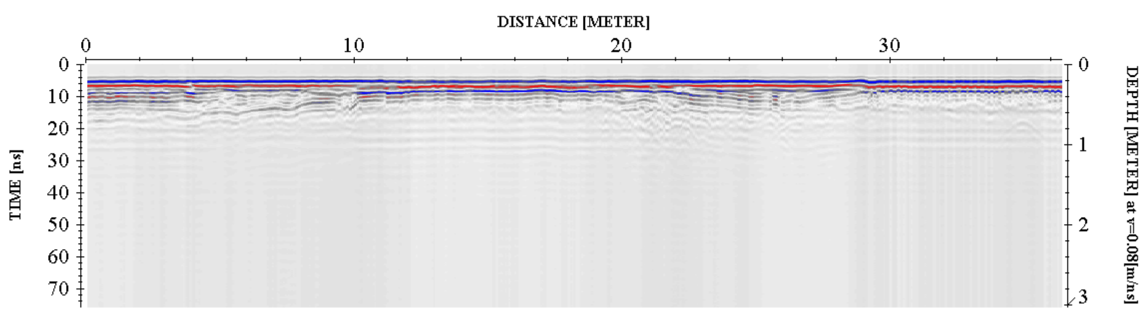
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

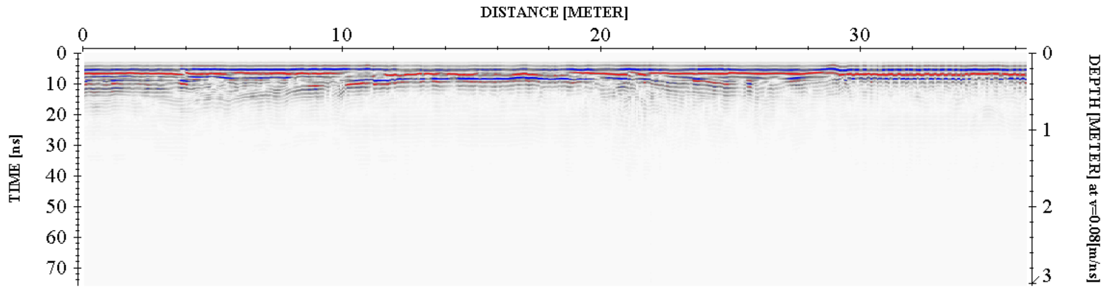
DATA PROCESSING

To improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing workflow is briefly described in this section.

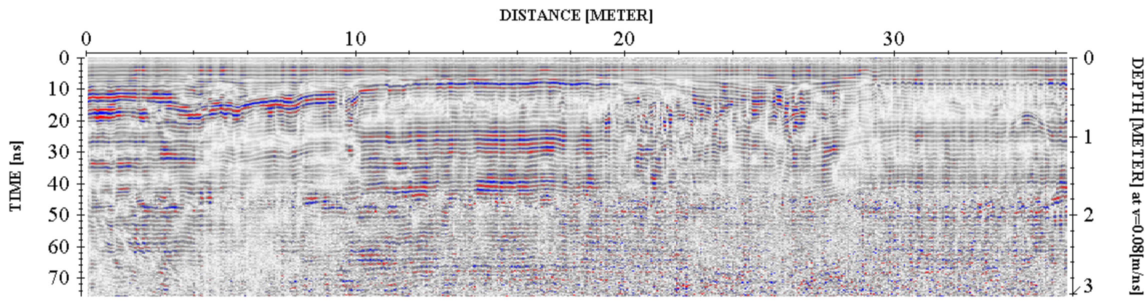
Step 1. Import Raw RAMAC data to standard processing format



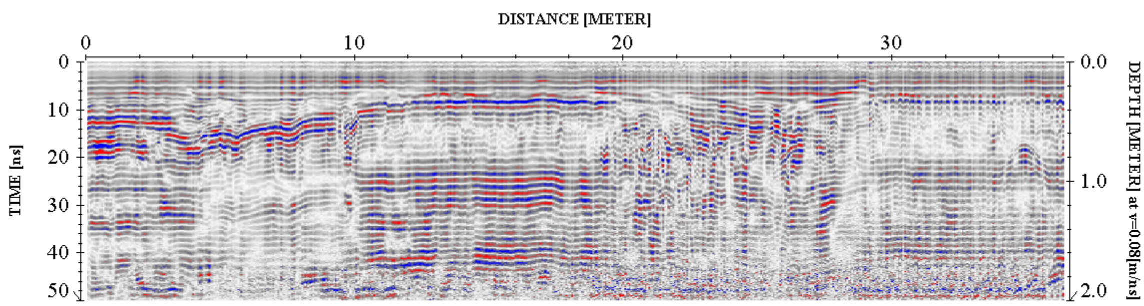
Step 2. Remove instrument noise *(dewow)*



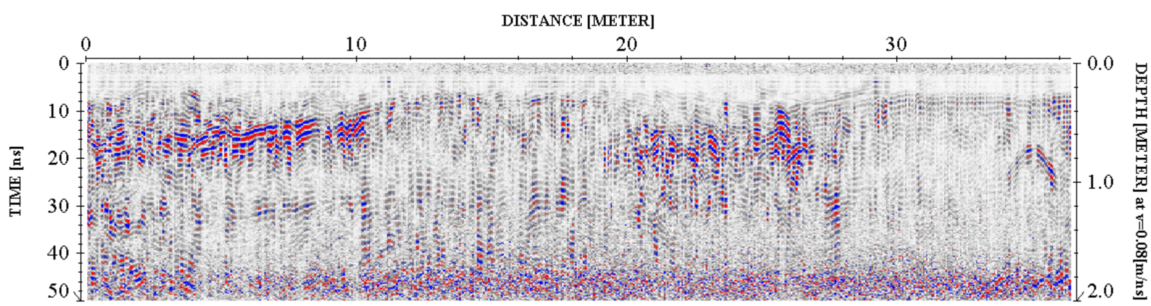
Step 3. Correct for attenuation losses *(energy decay function)*



Step 4. Remove static from bottom of profile *(time cut)*



Step 5. Mute horizontal ringing/noise *(subtracting average)*



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Clear

Temperature: 80° F

Surface: Concrete, Vegetation, Asphalt, Gravel

Survey Parameters: A ground penetrating radar (GPR) grid scan was conducted within the survey areas as shown in the survey plan. The line spacing of the grid survey was approximately 5'. Additional GPR data was collected over features of interest and proposed boring locations. A utility locator was used in conjunction with GPR throughout the survey area.

Limitations: The geophysical noise level (GNL) at the site was high due to being in an urban environment, reinforced concrete, and other unknown anthropogenic and subsurface noise sources. Small portions of the site were unable to be fully surveyed due to overgrown vegetation or were inaccessible.

RESULTS

The results of the geophysical engineering survey (GES) identified the following at the project site:

- Anomalies resembling potential subsurface utilities (such as electric, water, sewer, and gas) were identified within the surveyed areas. Additional anomalies resembling potential subsurface utilities were identified but could not be connected to known utilities. Surface features, such as drains and leaching drywells, were also identified in during the GES. The approximate locations are shown in the survey plan.
- A potential telecom line was identified on the North sidewalk of Delavan Street due to previous, incomplete, one-call mark outs. NOVA was unable to identify this telecom line during the GES and suggests calling 811 to ensure the line is marked correctly prior to drilling in this area.
- Two large geophysical anomalies resembling potential underground storage tanks (USTs) were identified during the GES. A fill port and vent pipe were traced from the exterior of the eastern building to the UST location shown on the survey plan.
- All cleared boring locations were marked during the onsite mark out.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services

Levent Eskicakit, P.G., E.P.

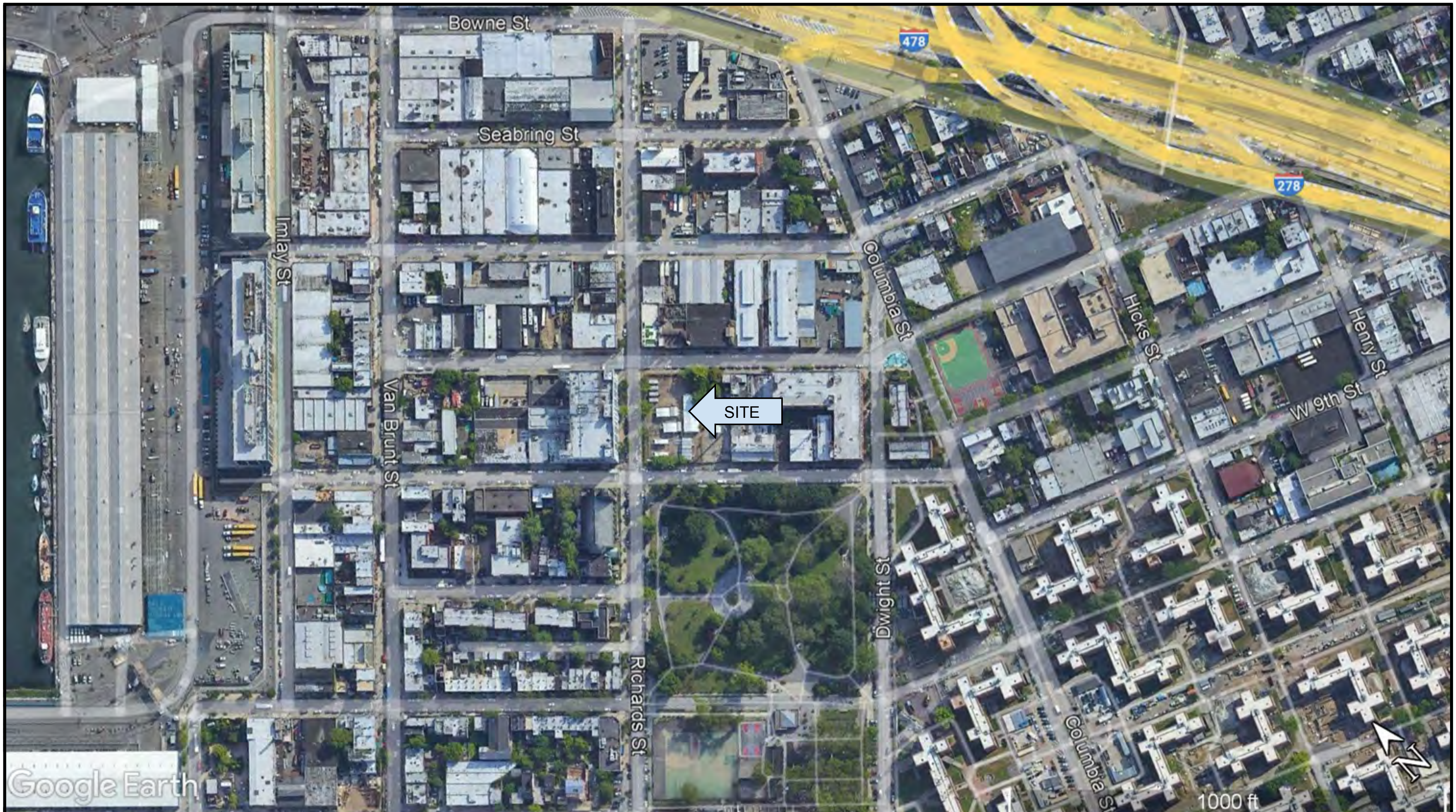
Project Manager

Attachments:

Location Map

Survey Plan

Geophysical Images



LOCATION MAP

LEGEND

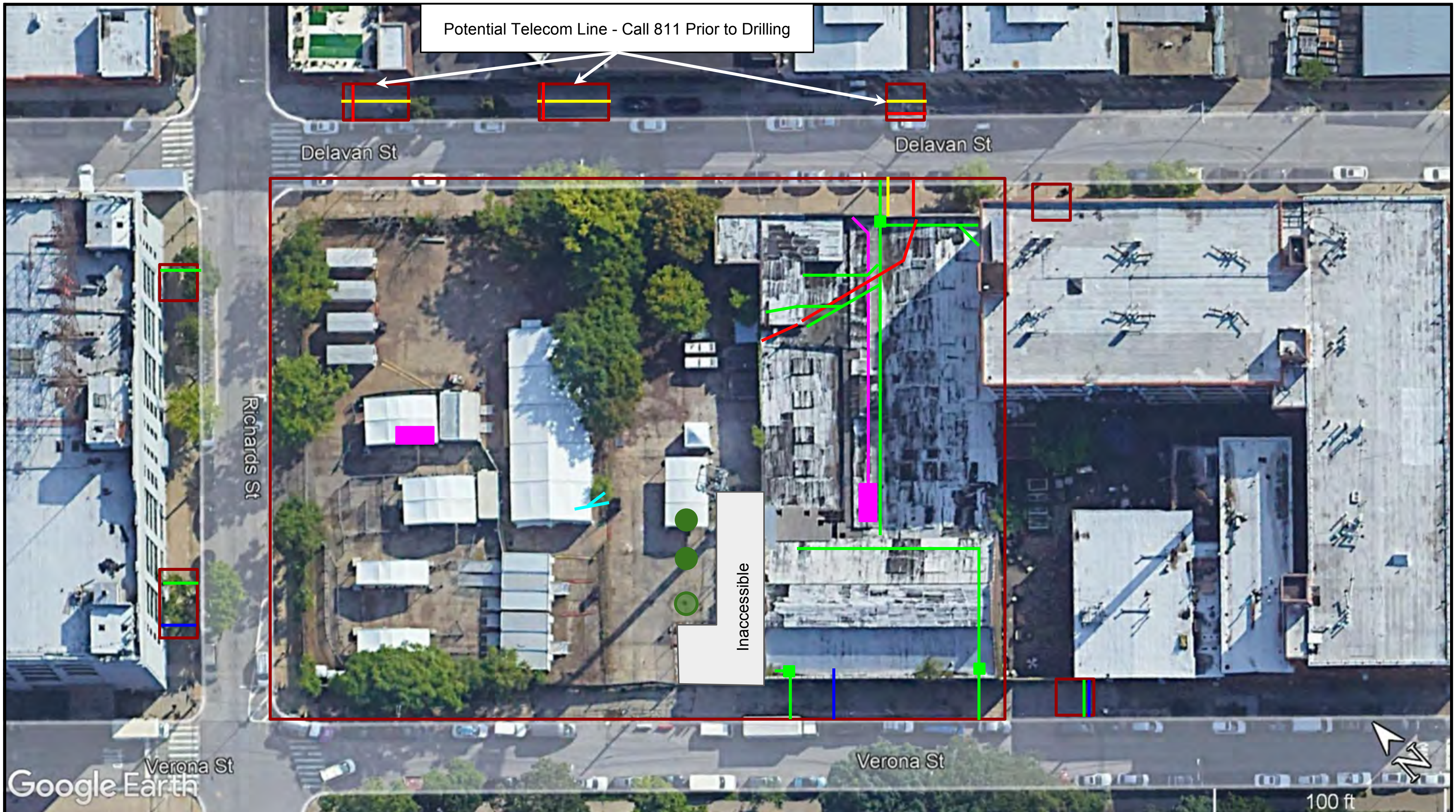
NOVA
Geophysical Services
Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

SITE: **SCA Site**
21 Delavan Street,
Brooklyn, New York 11231

CLIENT: AKRF

DATE: June 13th, 2022

AUTH: Chris Steinley



SURVEY PLAN	
SITE:	**SCA Site** 21 Delavan Street, Brooklyn, New York 11231
CLIENT:	AKRF
DATE:	June 13th, 2022
AUTH:	Chris Steinley

LEGEND

Survey Area	UST
Electric	Vent Pipe/Fill Port
Gas	Drain - Filled with Soil
Water	Leaching Drywell
Sewer	
Unknown	

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GEOPHYSICAL IMAGES

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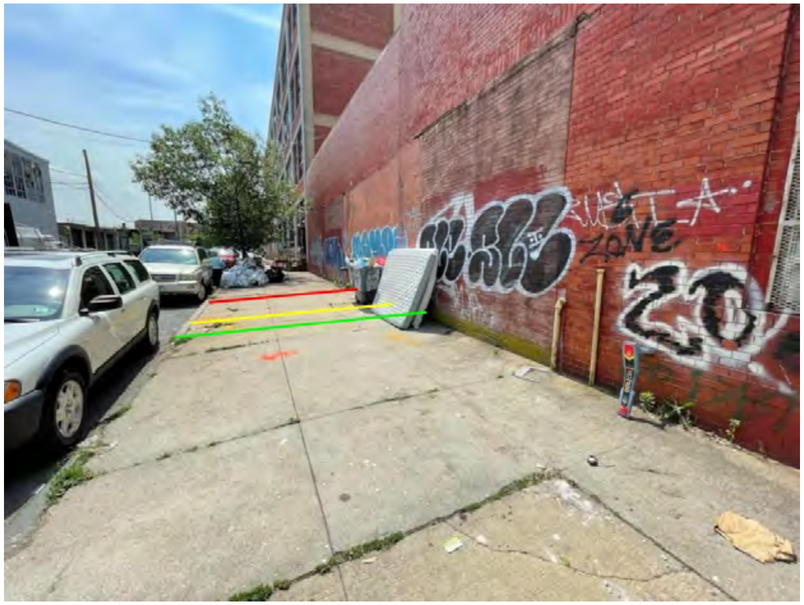

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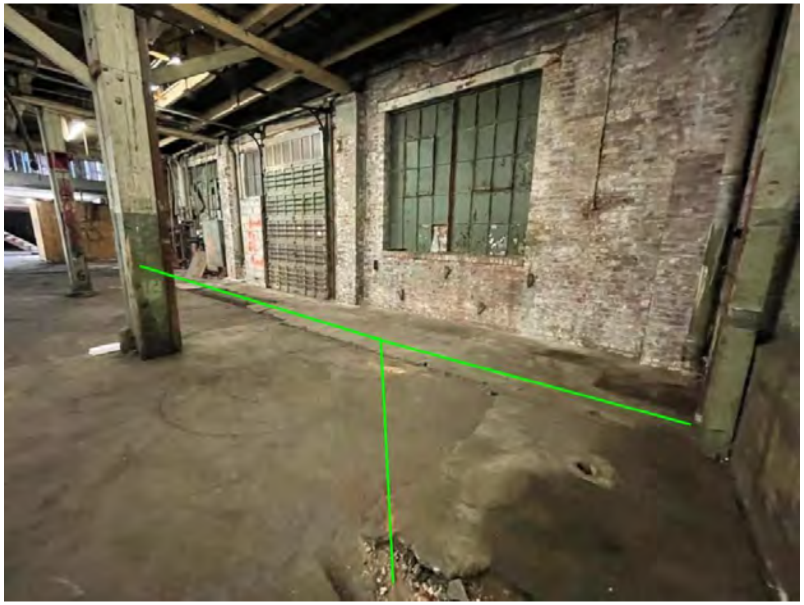

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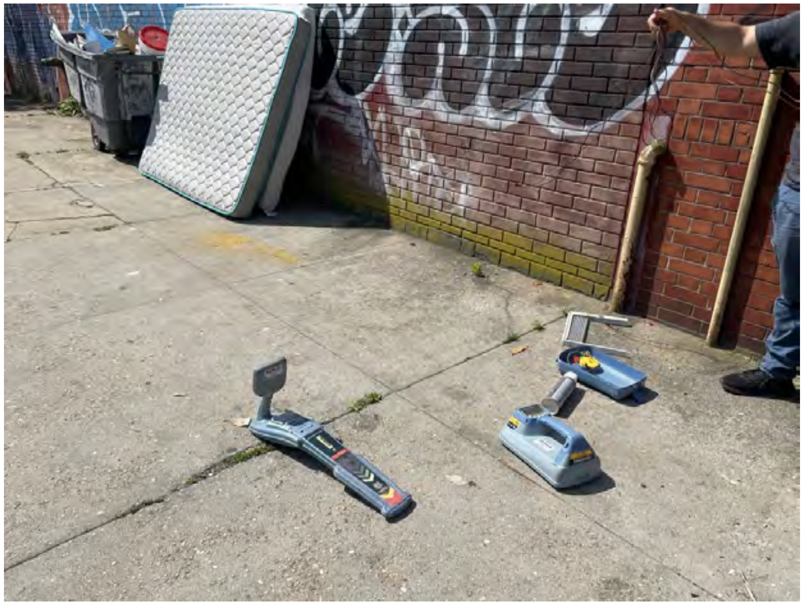

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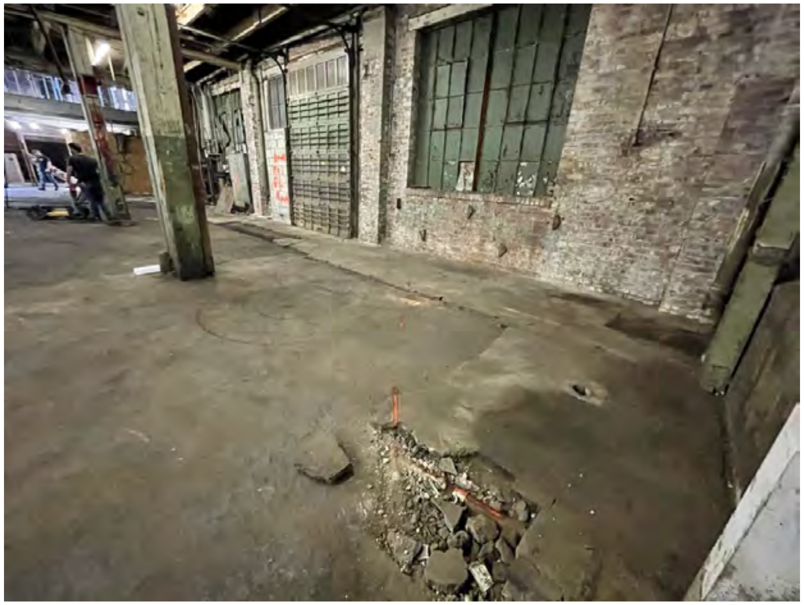

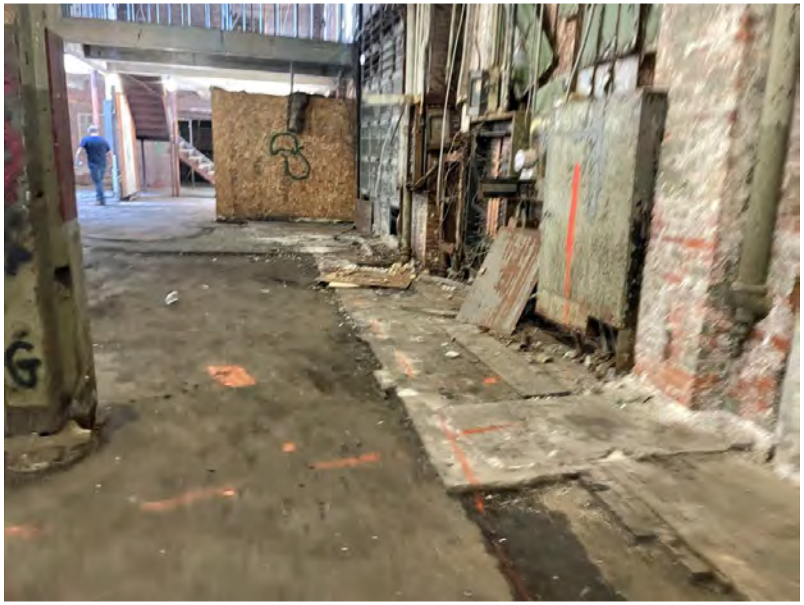

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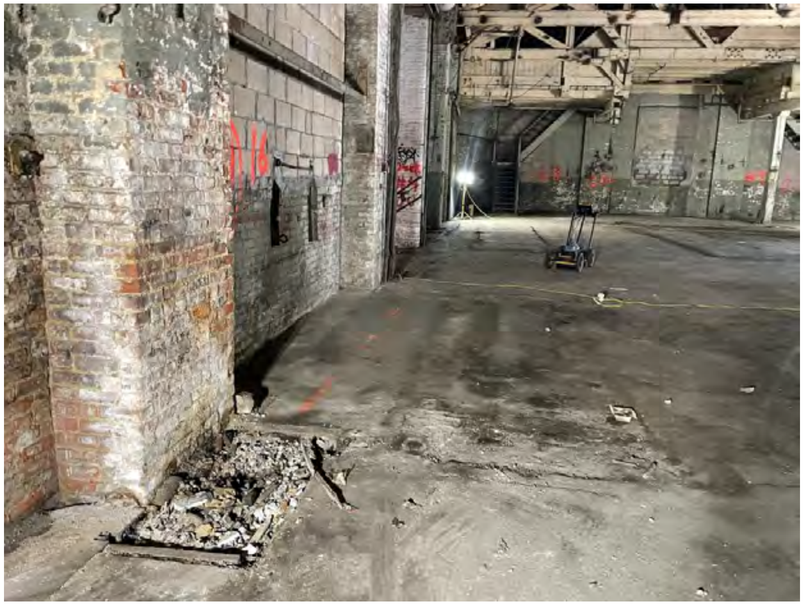

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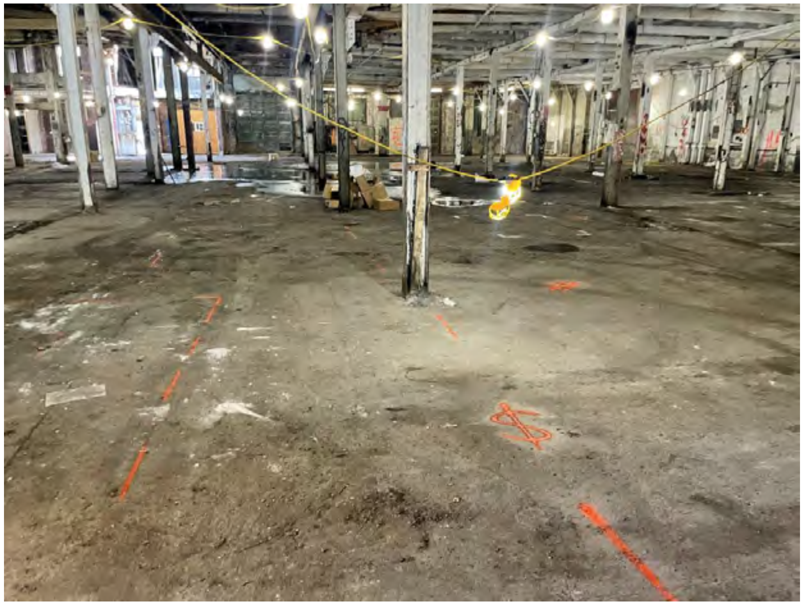

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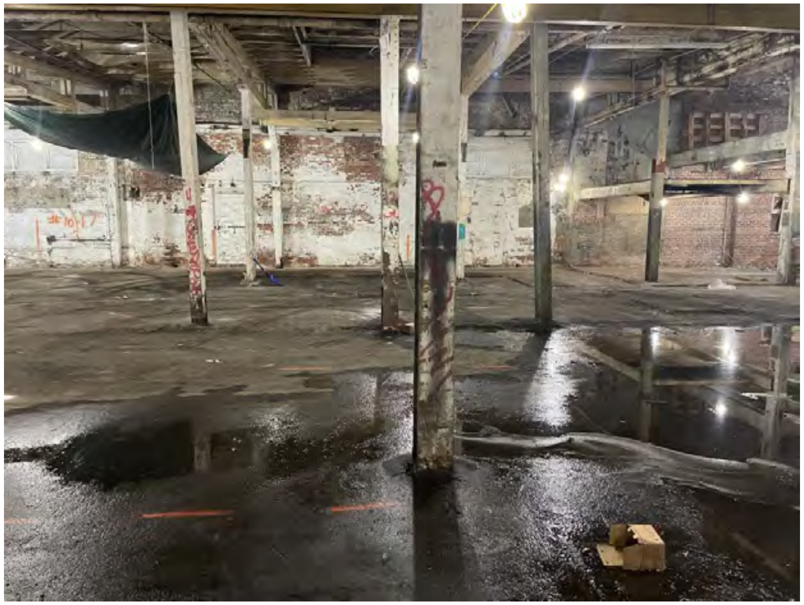

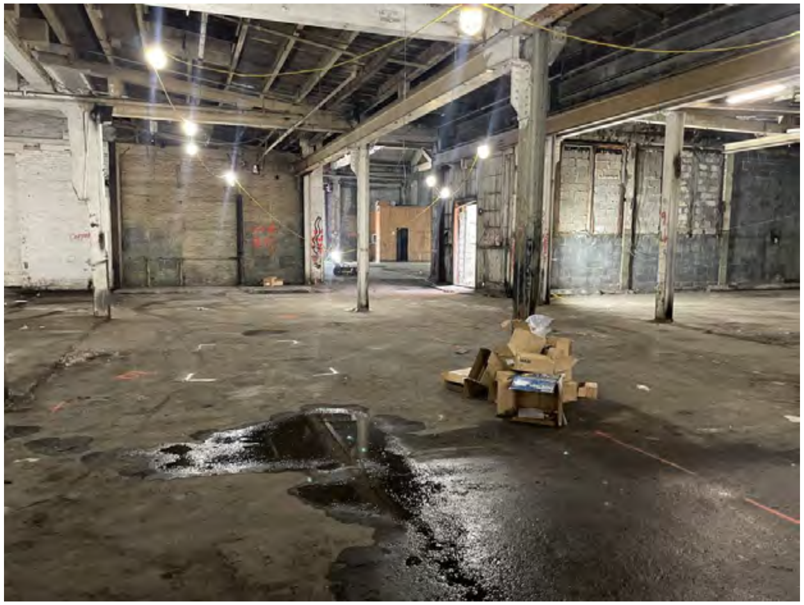

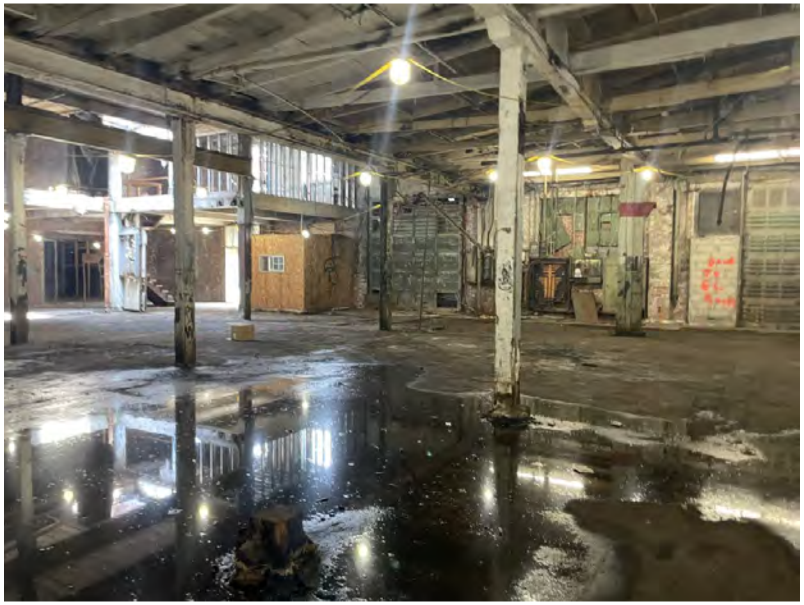

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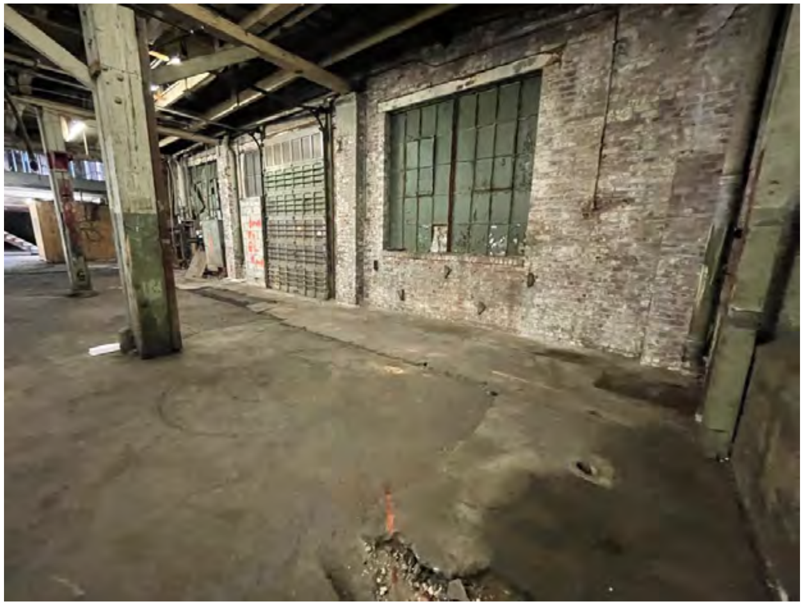

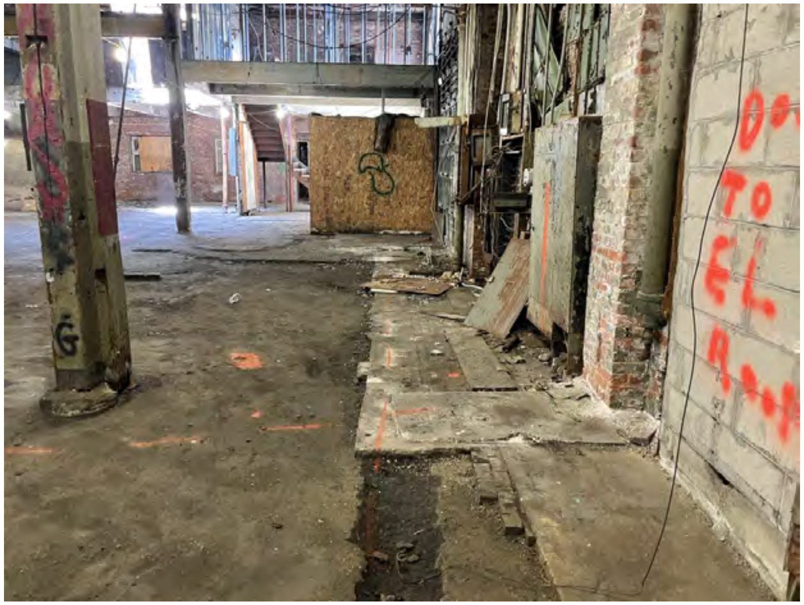

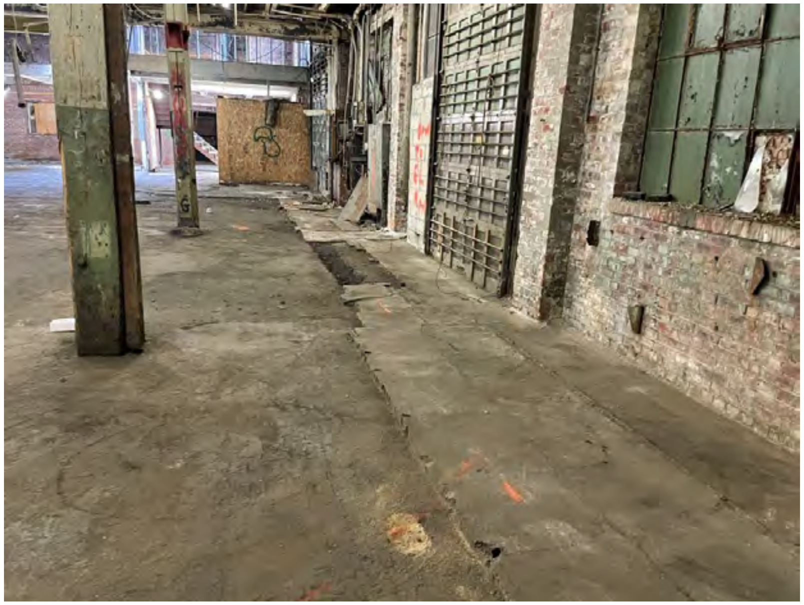

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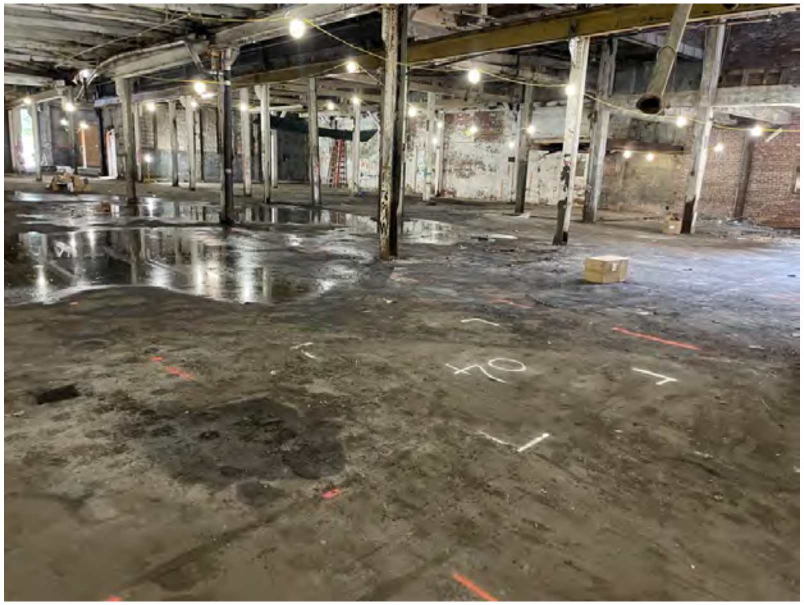

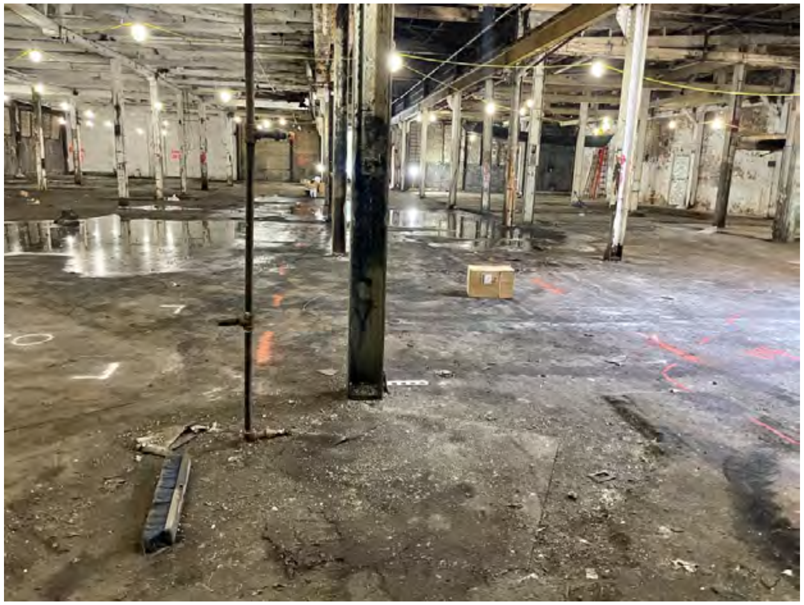

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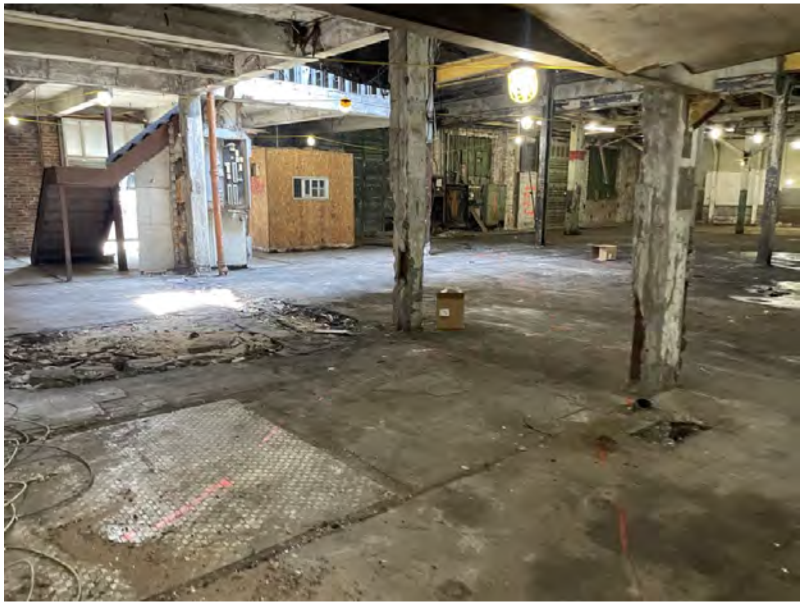

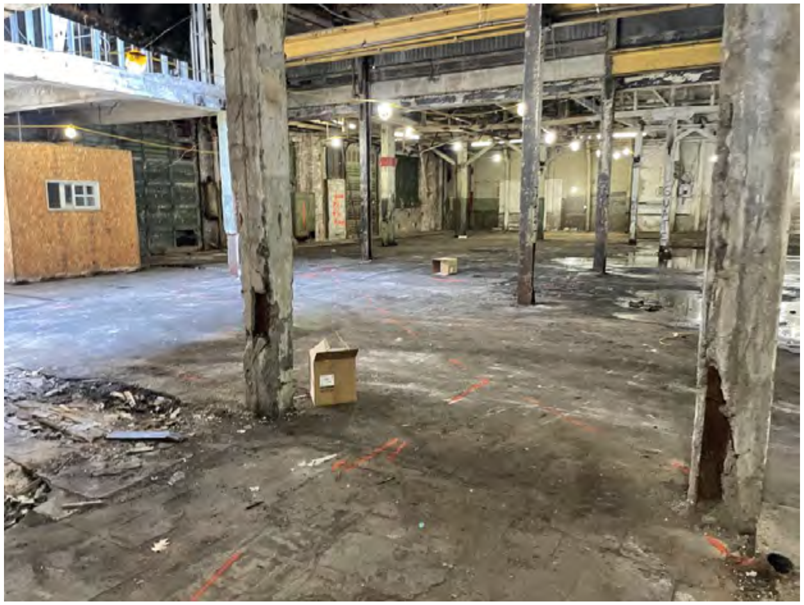

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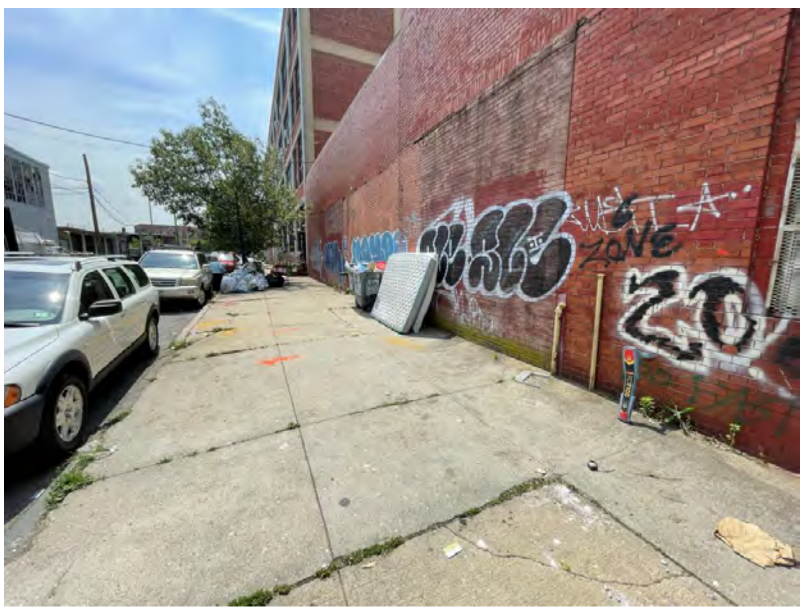

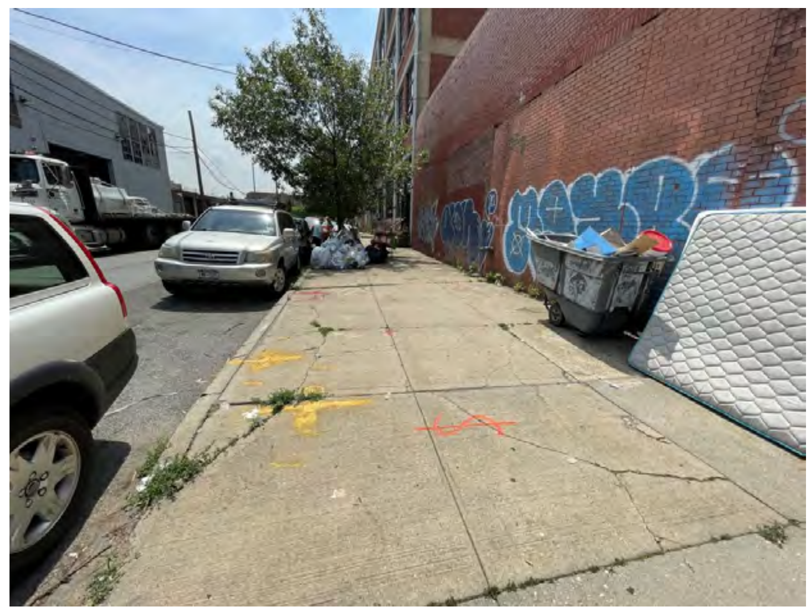

GEOPHYSICAL IMAGES

SCA Site

21 Delavan Street,
Brooklyn, New York 11231
June 13th, 2022

GEOPHYSICAL ENGINEERING SURVEY REPORT

NYC SCA Site
21 Delavan Street,
Brooklyn, New York 11231

NOVA PROJECT NUMBER:
22-2758

DATED:
July 27, 2022

PREPARED FOR:

AKRF

440 Park Avenue South, 7th Floor,
New York, NY 10016
www.akrf.com

PREPARED BY:

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions
56-01 Marathon Parkway # 765
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718-261-1527(FAX)
www.nova-gsi.com

July 27, 2022

Rebecca A. Kinal, PE
Vice President

AKRF

P: 914.922.2362
M: 914.263.8730
E: mailto:rkinal@akrf.com
34 South Broadway, Suite 300,
White Plains, New York 10601

Re: Geophysical Engineering Survey (GES) Report
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21 Delavan Street,
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Dear Ms. Kinal.

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 21 Delavan Street, New York, New York (the "Site")

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks (USTs) and other substructures in the vicinity of proposed boring locations on July 25th, 2022. This report contains conclusions from the June 13th, 2022, survey conducted by NOVA for AKRF at this site.

The equipment selected for this investigation was a Sensors and Software NOGGIN 250 MHz ground penetrating radar (GPR) with a shielded antenna and a RadioDetection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

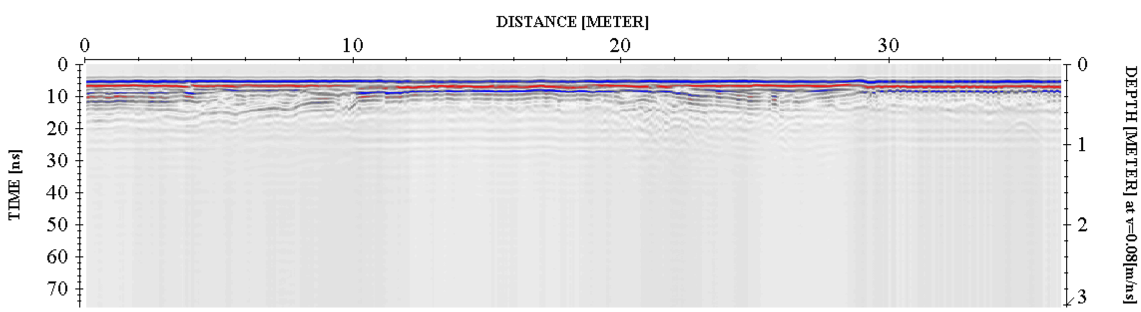
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

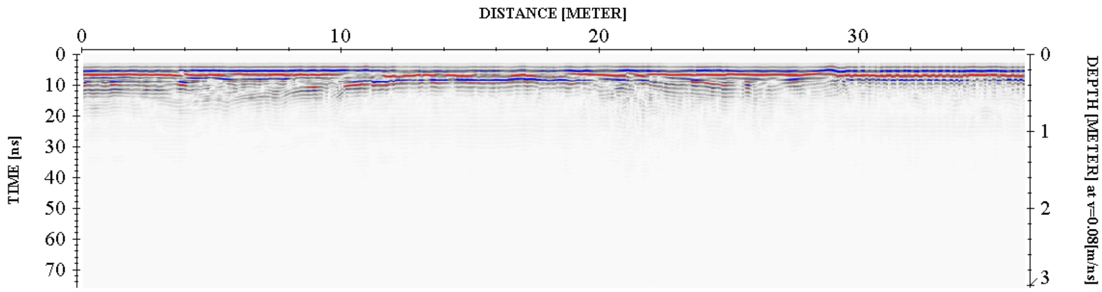
DATA PROCESSING

To improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing workflow is briefly described in this section.

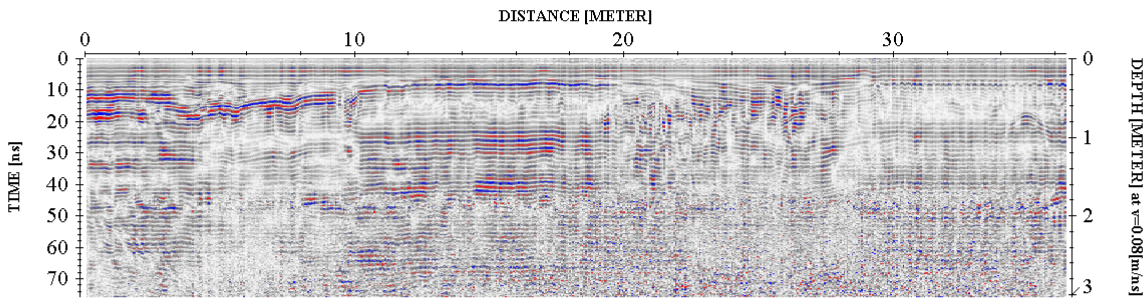
Step 1. Import Raw RAMAC data to standard processing format



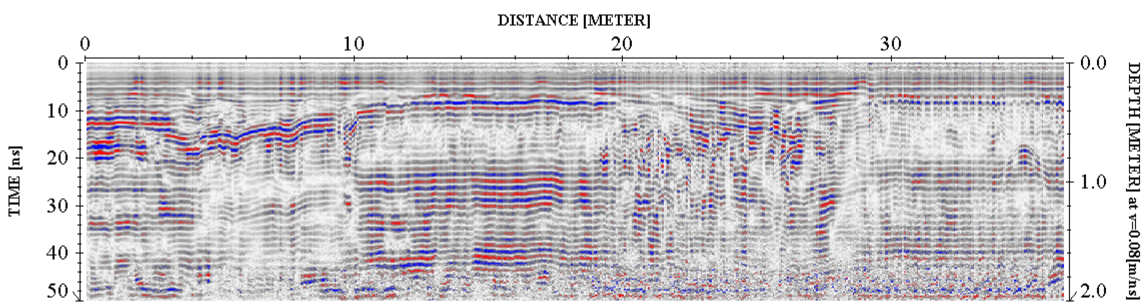
Step 2. Remove instrument noise *(dewow)*



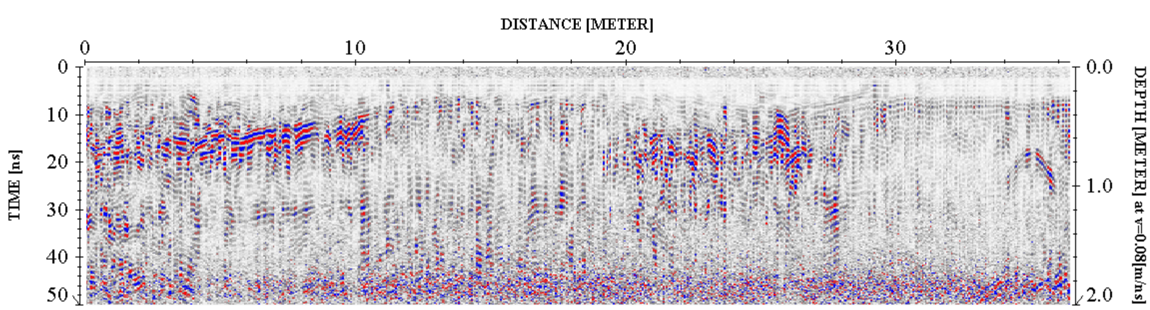
Step 3. Correct for attenuation losses *(energy decay function)*



Step 4. Remove static from bottom of profile *(time cut)*



Step 5. Mute horizontal ringing/noise *(subtracting average)*



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Clear

Temperature: 85° F

Surface: Concrete, Vegetation, Asphalt, Gravel

Survey Parameters: A ground penetrating radar (GPR) grid scan was conducted within the survey areas as shown in the survey plan. The line spacing of the grid survey was approximately 5’. Additional GPR data was collected over features of interest and proposed boring locations. A utility locator was used in conjunction with GPR throughout the survey area.

Limitations: The geophysical noise level (GNL) at the site was high due to being in an urban environment, reinforced concrete, and other unknown anthropogenic and human noise sources. Small portions of the site were unable to be fully surveyed due to overgrown vegetation or were inaccessible.

RESULTS

The results of the geophysical engineering survey (GES) identified the following at the project site:

- Anomalies resembling potential subsurface utilities (such as electric, water, sewer, and gas) were identified within the surveyed areas. Additional anomalies resembling potential subsurface utilities were identified but could not be connected to known utilities. Surface features, such as drains and leaching drywells, were also identified in during the GES. The approximate locations are shown in the survey plan.

- A potential telecom line was identified on the North sidewalk of Delavan Street due to previous, incomplete, one-call mark outs. NOVA was unable to identify this telecom line during the GES and suggests calling 811 to ensure the line is marked correctly prior to drilling in this area.

- Two large geophysical anomalies resembling potential underground storage tanks (USTs) were identified during the GES. A fill port and vent pipe were traced from the exterior of the eastern building to the UST location shown on the survey plan.

- All cleared boring locations were marked during the onsite mark out.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services

Levent Eskicakit, P.G., E.P.

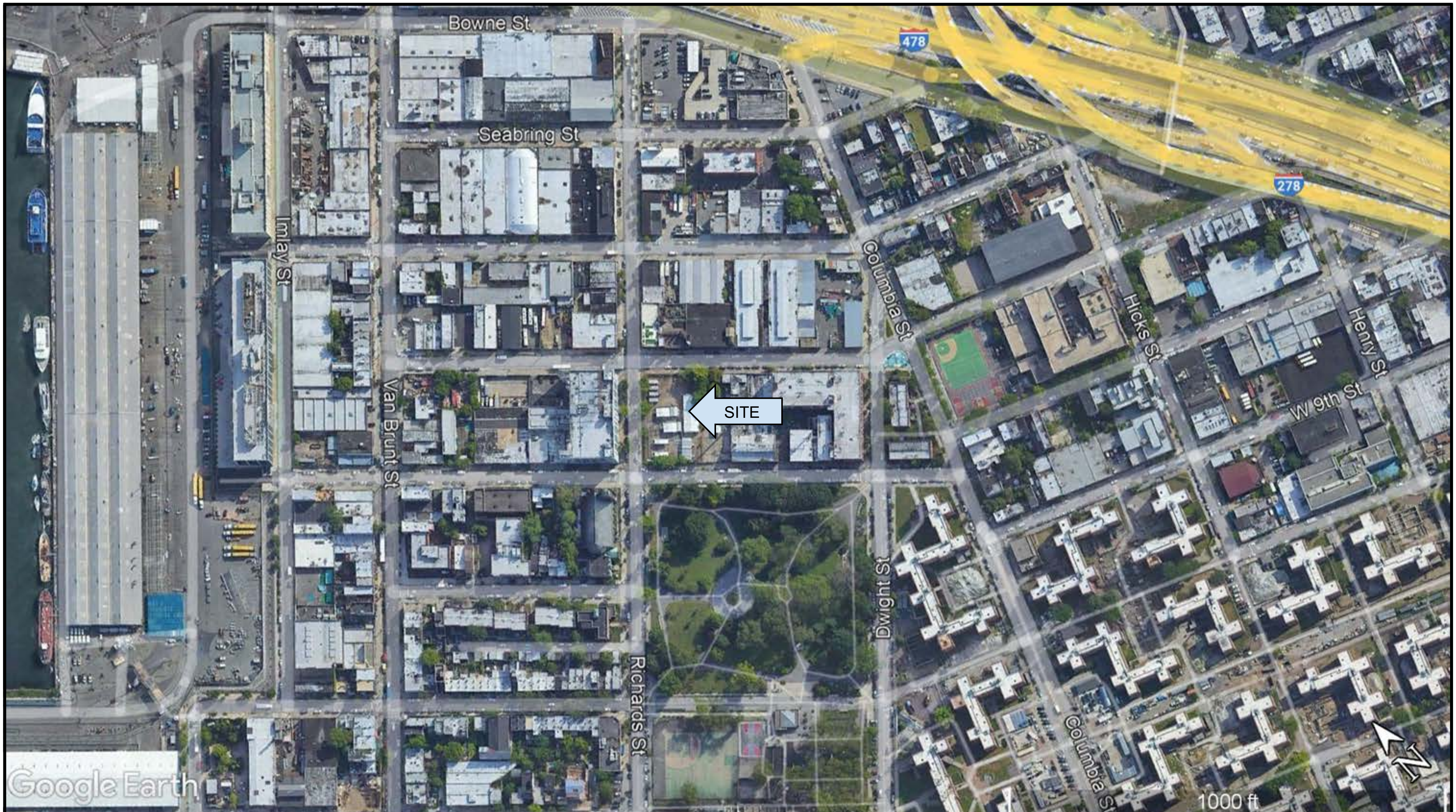
Project Manager

Attachments:

Location Map

Survey Plan

Geophysical Images



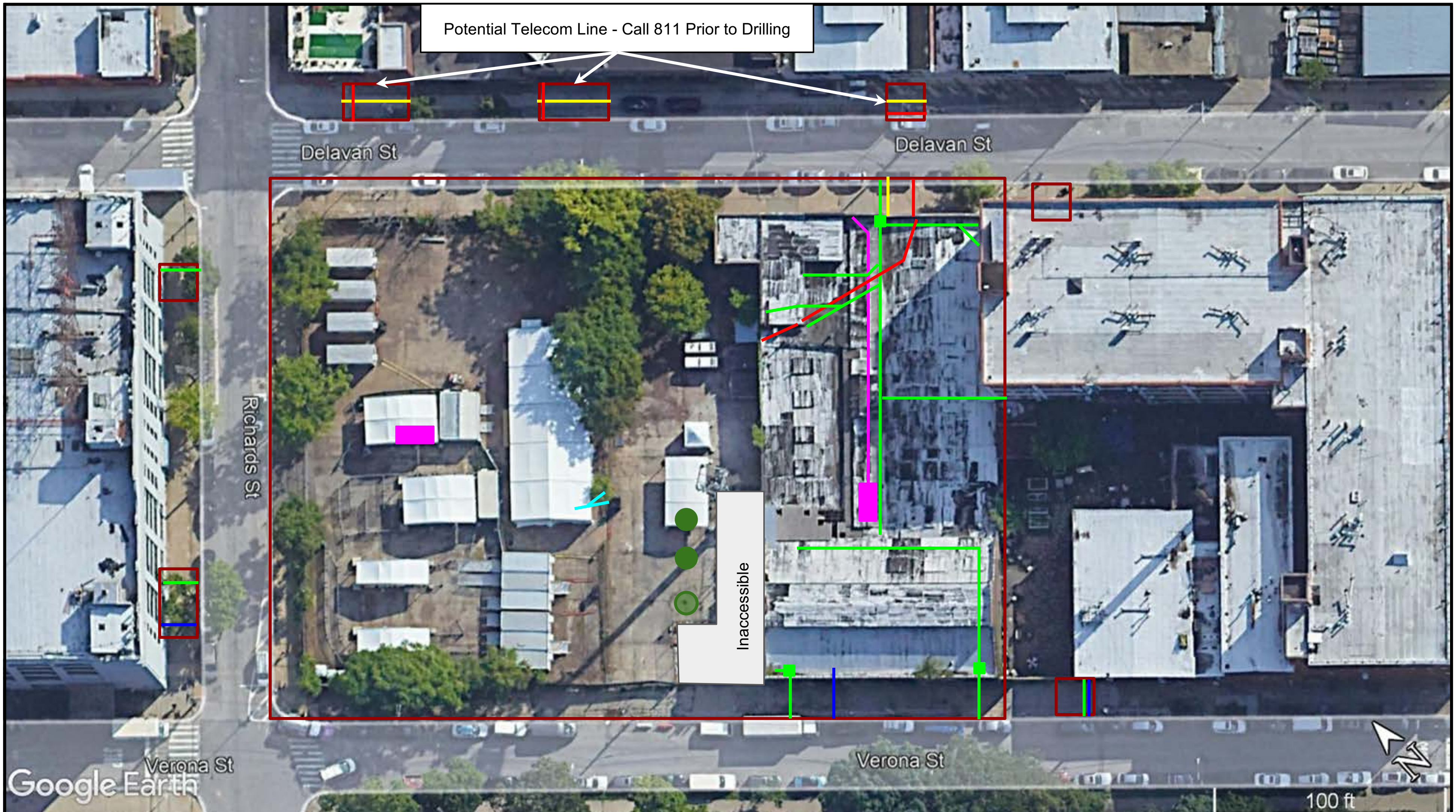
NOVA
Geophysical Services
Subsurface Mapping Solutions

56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

LOCATION MAP

SITE:	**SCA Site** 21 Delavan Street, Brooklyn, New York 11231
CLIENT:	AKRF
DATE:	July 25th, 2022
AUTH:	Chris Steinley

LEGEND



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SURVEY PLAN

SITE:	**SCA Site** 21 Delavan Street, Brooklyn, New York 11231
CLIENT:	AKRF
DATE:	July 25th, 2022
AUTH:	Chris Steinley

LEGEND

- Survey Area
- Electric
- Gas
- Water
- Sewer
- Unknown
- UST
- Vent Pipe/Fill Port
- Drain - Filled with Soil
- Leaching Drywell

*Contains conclusions from a previous survey conducted in June 2022.

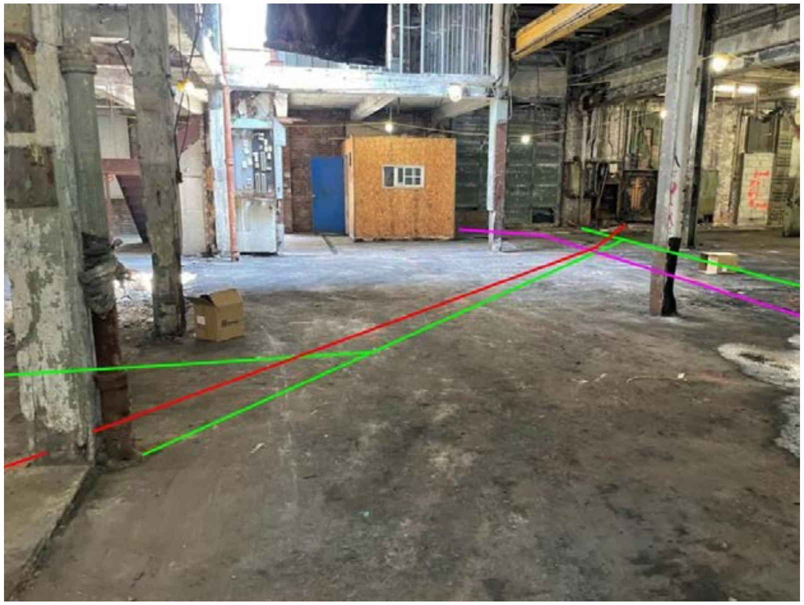
GEOPHYSICAL IMAGES

SCA Site
21 Delavan Street,
Brooklyn, New York 11231
July 25th, 2022

GEOPHYSICAL IMAGES

SCA Site

21 Delavan Street,
Brooklyn, New York 11231
July 25th, 2022



GEOPHYSICAL IMAGES
SCA Site
21 Delavan Street,
Brooklyn, New York 11231
July 25th, 2022

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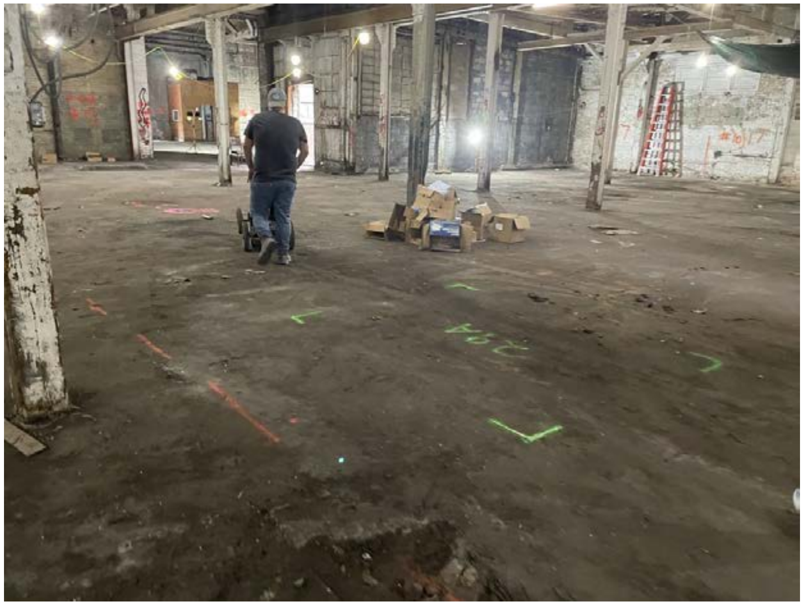
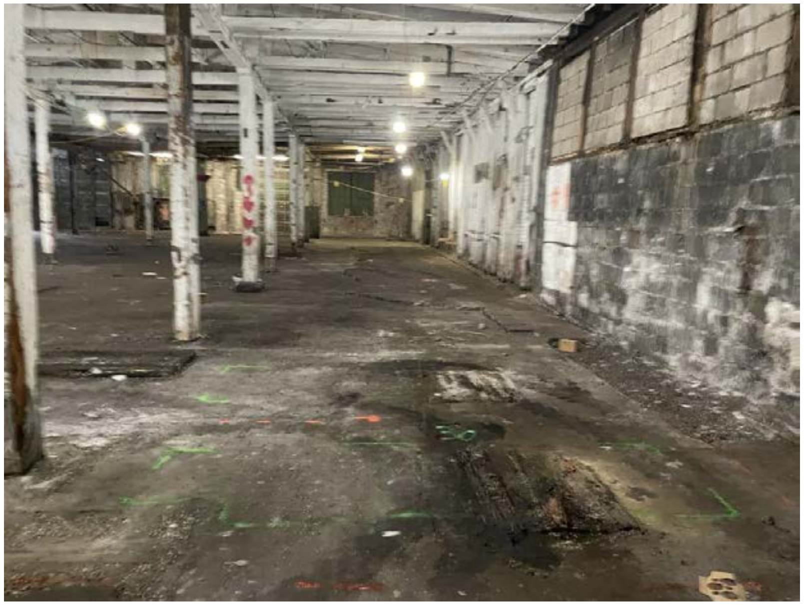
Brooklyn, New York 11231
July 25th, 2022

GEOPHYSICAL IMAGES

SCA Site

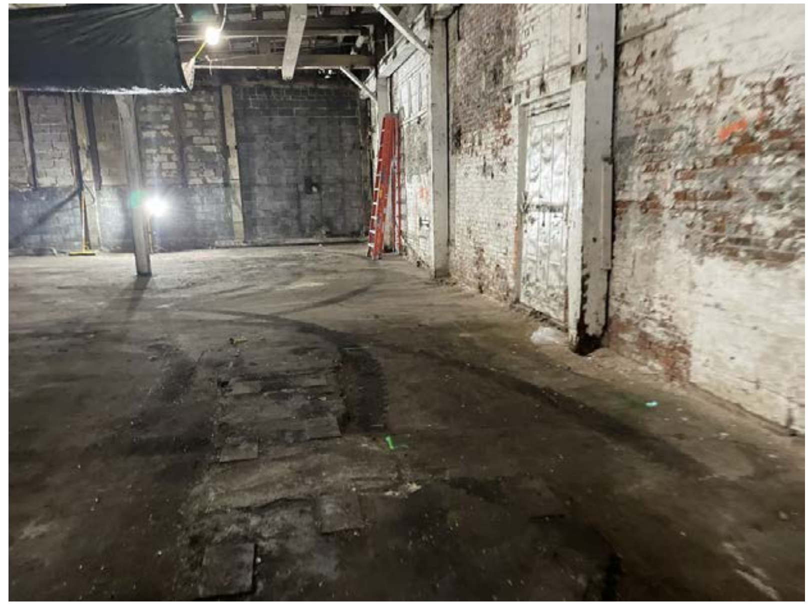
21 Delavan Street,
Brooklyn, New York 11231
July 25th, 2022

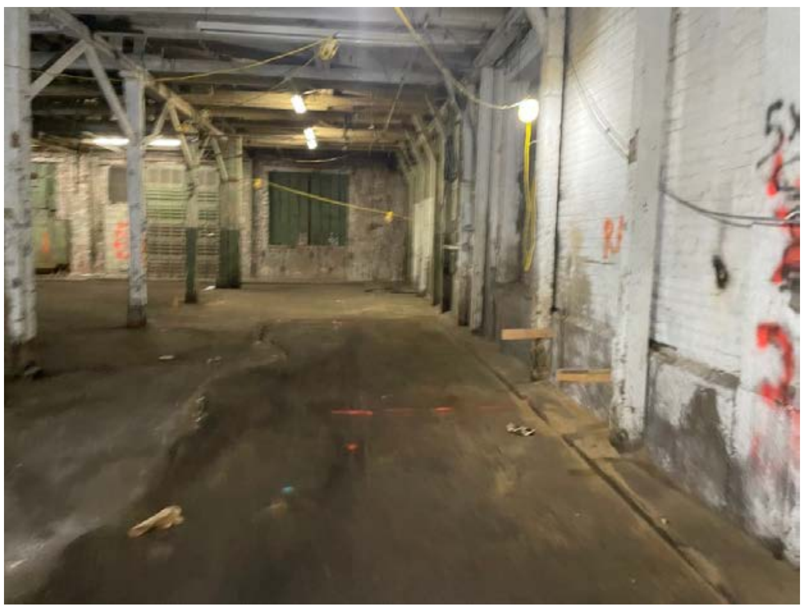




GEOPHYSICAL IMAGES

SCA Site
21 Delavan Street,
Brooklyn, New York 11231
July 25th, 2022





GEOPHYSICAL IMAGES

SCA Site
21 Delavan Street,
Brooklyn, New York 11231
July 25th, 2022

GEOPHYSICAL IMAGES

SCA Site

21 Delavan Street,

Brooklyn, New York 11231

July 25th, 2022

APPENDIX C

SOIL BORING AND MONITORING WELL INSTALLATION LOGS

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Soil Boring ID: Sheet 1 of 1	RI-SB-01

AKRF 440 Park Avenue South, 7th Floor New York, NY 10016		
Drilling Method:	Geoprobe 6610DT	**Drilling**
Sampling Method:	5' Macrocore	**Start Time:** 12:00 / **Finish Time:** 13:30
Driller:	Cascade Environmental	
Weather:	~85°F, Sunny	**Date:** 6/13/2022
Logged By:	S. Schmid, AKRF	

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	36	Top 8": CONCRETE.	ND	Dry	ND	ND	
2					ND		
3					1.6		RI-SB-01_0-2_ 20220613
4		Bottom 28": Brown SAND, little Brick, fine Gravel, trace Silt (FILL).	ND	Dry	1.1	ND	
5					ND		
6	39	Top 12": Brown SAND, little Brick, fine Gravel, trace Silt (FILL).	ND	Dry	1.9	ND	
7				Wet at 7ft	42.3		
8					52.1		RI-SB-01_6-8_ 20220613
9		Bottom 27": Grey SAND, little Silt, trace Wood, fine Gravel (FILL).	Petroleum-like	Wet	22.6	ND	
10					6.4		
11	60	Top 6": SLOUGH (FILL).	Faint Petroleum-like	Wet	4.2	Faint Sheen	
12					1.8		
13		Next 26": Grey SILT, trace Clay, Organics (Roots) (NATIVE).	Faint Petroleum-like	Wet	2.9	ND	RI-SB-01_12-14_ 20220613
14		Bottom 28": Grey fine SAND (NATIVE).	Faint Petroleum-like	Wet	2.4	ND	
15					2.5		
16	60	Grey fine SAND (NATIVE).	ND	Wet	ND	ND	
17							
18							
19							
20							

Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND WELL INSTALLATION LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Groundwater Monitoring Well ID: Sheet 1 of 1	RI-MW-01	Soil Boring ID:	RI-MW-01

440 Park Avenue South, 7th Floor
New York, NY 10016

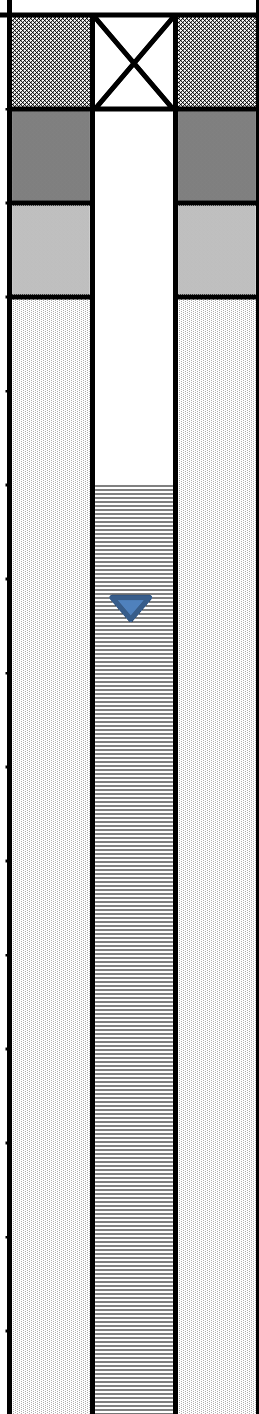
Drilling Method:	Geoprobe 6610DT, Augers
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~90°F, Partly Cloudy
Logged by:	S. Schmid, AKRF

Drilling

Start Time: 8:45 | **Finish Time:** 11:00

Date: 7/28/2022

Well Construction — **Surface Condition:** Concrete



Flush-mounted well cover, locking j-plug, and concrete seal: grade to 1' below grade.

Non-shrinking cement grout: 1' to 2' below grade.

2" diameter PVC well casing: 0.25' to 5.11' below grade.

Bentonite seal: 2' to 3' below grade.

0.020-inch slotted PVC well screen: 5.11' to 15.11' below grade.

No. 2 morie sandpack filter: 3' to 15.11' below grade.

End cap: 15.11' below grade.

Depth (feet)	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
0–5	36	Top 8": CONCRETE.	ND	Dry	ND ND 1.6	ND	
		Bottom 28": Brown SAND, little Brick, fine Gravel, trace Silt (FILL).	ND	Dry	1.1 ND	ND	
5–10	39	Top 12": Brown SAND, little Brick, fine Gravel, trace Silt (FILL).	ND	Wet at 7ft	1.9 42.3 52.1	ND	
		Bottom 27": Grey SAND, little Silt, trace Wood, fine Gravel (FILL).	Petroleum-like	Wet	22.6 6.4	ND	
10–15	60	Top 6": SLOUGH.	Faint Petroleum-like	Wet	4.2 1.8	Faint Sheen	
		Next 26": Grey SILT, trace Clay, Organics (Roots) (NATIVE).	Faint Petroleum-like	Wet	2.9 2.4	ND	
		Bottom 28": Grey fine SAND (NATIVE).	Faint Petroleum-like	Wet	2.5	ND	
15–20	60	Grey fine SAND (NATIVE).	Organic-like	Wet	ND	ND	

Notes: Groundwater Depth Indicator

Groundwater was measured at 6.65 feet below the top of the casing in RI-MW-01 on 8/23/2022.

Monitoring well installed to approximately 15.11 feet below grade.

Soil samples were not collected for analysis during monitoring well installation.

Groundwater encountered at approximately 7 feet below grade during soil boring installation.

End of soil boring at 20 feet below grade.

PID = photoionization detector **NAPL = non-aqueous phase liquid** **ppm = parts per million** **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Soil Boring ID: Sheet 1 of 1	RI-SB-02

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Sunny
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 13:40 **Finish Time:** 14:40

Date: 6/13/2022

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	27	Top 4": CONCRETE.	ND	Dry	ND	ND	RI-SB-02_0-0.2_ 20220613
		Bottom 23": Brown SAND, little fine Gravel, trace Silt, Brick, Concrete (FILL).	ND	Dry	ND	ND	RI-SB-02_0-2_ 20220613
6–10	60	Top 50": Brown SAND, little fine Gravel, trace Silt, Brick, Concrete (FILL).	ND	Dry	ND	ND	RI-SB-02_7-9_ 20220613
		Bottom 10": Grey SAND (NATIVE).	ND	Wet at 8ft	ND	ND	RI-SB-02_9-11_ 20220613
11–15	60	Top 40": Grey SAND (NATIVE).	ND	Wet	ND	ND	
		Bottom 20": Grey Silt, trace Clay (NATIVE).	ND	Wet	ND	ND	
16–20	60	Grey fine SAND (NATIVE).	ND	Wet	ND	ND	

Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 8 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG	**Former Chesebrough Manufacturing Site** **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** **Sheet 1 of 1**	**RI-SB-03**

AKRF 440 Park Avenue South, 7th Floor New York, NY 10016		
Drilling Method:	Geoprobe 6610DT	**Drilling**
Sampling Method:	5' Macrocore	**Start Time:** 10:00 / **Finish Time:** 10:50
Driller:	Cascade Environmental	
Weather:	~75°F, Sunny	**Date:** 6/15/2022
Logged By:	S. Schmid, AKRF	

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	37	Top 5": CONCRETE.	ND	Dry	ND	ND	
2							
3							RI-SB-03_0-2_ 20220615
4		Bottom 32": Brown SAND, some Brick, trace fine Gravel, Concrete, Silt (FILL).	ND	Dry	ND	ND	
5							
6	38	Top 18": Brown SAND, some Brick, trace fine Gravel, Concrete, Silt (FILL).	ND	Dry	ND	ND	
7				Wet at 7ft	17.6		
8					33.4		RI-SB-03_7-9_ 20220615
9		Bottom 20": Dark Grey SAND, little fine Gravel, trace Silt (FILL).	Faint petroleum-like	Wet	30.5	ND	
10					18.7		
11	22	Top 6": SLOUGH.	Faint petroleum-like	Wet	12.6	ND	
12					5.3		
13		Next 12": Grey SILT, trace Clay (NATIVE).	ND	Wet	2.1	ND	RI-SB-03_13-15_ 20220615
14					ND		
15		Bottom 4": ORGANICS (Peat) (NATIVE).	ND	Wet	ND	ND	
16	60	Top 6": SLOUGH.	ND	Wet	1.4	ND	
17					ND		
18					ND		
19		Bottom 54": Grey fine SAND (NATIVE).	ND	Wet	ND	ND	
20					ND		

Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector   ppm = parts per million   NAPL = non-aqueous phase liquid   ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	**Former Chesebrough Manufacturing Site** **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** Sheet 1 of 1	**RI-SB-04**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~75°F, Sunny
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 9:30 **Finish Time:** 10:15

Date: 6/20/2022

Depth (feet)	Recovery (Inches)	**Surface Condition:** Concrete	Odor	Moisture	PID	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	38	Top 4": CONCRETE.	ND	Dry	ND	ND	RI-SB-04_0-2_ 20220620
		Next 6": Brown SAND, trace Concrete, Brick, Silt, Glass, Coal (FILL).	ND	Dry	ND	ND	
		Next 6": Black SILTY SAND (FILL).	ND	Dry	ND	ND	
		Bottom 22": Brown SAND, trace Concrete, Brick, Silt, Glass, Coal (FILL).	ND	Dry	ND	ND	
6–10	18	Top 9": Brown SAND, trace Concrete, Brick, Silt, Glass, Coal (FILL).	ND	Dry	ND	ND	RI-SB-04_6-8_ 20220620
		Bottom 9": Brown SAND, trace fine Gravel, Silt.	ND	Wet at 9ft	ND	ND	
11–15	60	Top 12": Brown fine SAND.	ND	Wet	ND	ND	RI-SB-04_10-12_ 20220620
		Next 18": Brownish-Grey SILT, trace fine SAND, Organics (Roots) (NATIVE).	ND	Wet	ND	ND	
		Bottom 30": Dark Grey SAND, trace fine Gravel (NATIVE).	ND	Wet	ND	ND	
16–20	60	Brown fine SAND (NATIVE).	ND	Wet	ND	ND	

Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 9 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector   NAPL = non-aqueous phase liquid   ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	**Former Chesebrough Manufacturing Site** **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** **Sheet 1 of 1**	**RI-SB-05**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~75°F, Sunny
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 10:30 | **Finish Time:** 11:15

Date: 6/20/2022

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	42	Top 4": CONCRETE.	ND	Dry	ND	ND	RI-SB-05_0-2_ 20220620
		Bottom 38": Brown SAND, little Brick, trace fine Gravel, Concrete, Silt (FILL).	ND	Dry	ND	ND	
6–10	41	Brown SAND, little Brick, trace fine Gravel, Concrete, Silt (FILL).	ND	Wet at 7ft	ND	ND	
11–15	50	Top 20": Grey SAND, little fine Gravel, trace Brick, Concrete, Silt (FILL).	ND	Wet	ND	ND	RI-SB-05_10-12_ 20220620
		Bottom 30": Grey SILT, trace Clay, Organics (Roots) (NATIVE).	ND	Wet	ND	ND	RI-SB-05_12-14_ 20220620
16–20	60	Top 36": Brownish-Grey fine SAND (NATIVE).	ND	Wet	ND	ND	
		Bottom 24": Grey SAND, some fine Gravel (NATIVE).	ND	Wet	ND	ND	

Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND WELL INSTALLATION LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Groundwater Monitoring Well ID: Sheet 1 of 1	RI-MW-05A	Soil Boring ID:	RI-SB-05A

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

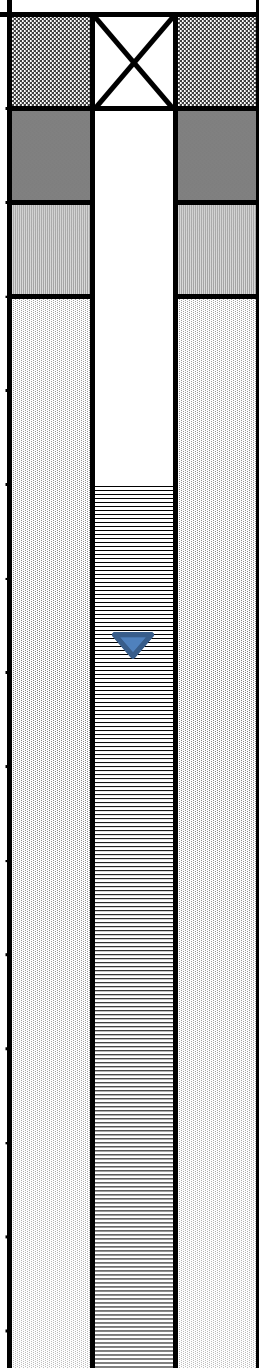
Drilling Method:	Geoprobe 6610DT, Augers
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~80°F, Sunny
Logged by:	S. Schmid, AKRF

Drilling

Start Time: 12:30 **Finish Time:** 15:15

Date: 7/27/2022

Well Construction



Surface Condition: Concrete

Flush-mounted well cover, locking j-plug, and concrete seal: grade to 1' below grade.

Non-shrinking cement grout: 1' to 2' below grade.

2" diameter PVC well casing: 0.25' to 4.58' below grade.

Bentonite seal: 2' to 3' below grade.

0.020-inch slotted PVC well screen: 4.58' to 14.58' below grade.

No. 2 morie sandpack filter: 3' to 14.58' below grade.

End cap: 14.58' below grade.

Depth (feet)	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
0–5	28	Top 6": CONCRETE.	ND	Dry	ND	ND	RI-SB-05A_0-2_20220727
		Bottom 22": Brown SAND, trace fine Gravel, Brick, Concrete, Silt (FILL).	ND	Dry	ND	ND	
5–10	30	Top 18": Brown SAND, trace fine Gravel, Brick, Concrete, Silt (FILL).	ND	Wet at 8ft	ND	ND	RI-SB-05A_7-9_20220727
		Bottom 12": Grey SAND, little Silt, trace fine Gravel.	Faint Petroleum-like	Wet	ND	ND	
10–15	60	Top 23": Grey SAND, little Silt, trace fine Gravel.	ND	Wet	ND	ND	
		Bottom 37": Grey SANDY SILT, trace Clay, Organics (Peat) (NATIVE).	ND	Wet	ND	ND	
15–20	60	Grey fine SAND.	ND	Wet	ND 0.2 ND ND ND	ND	

Notes: Groundwater Depth Indicator
Groundwater was measured at 7.05 feet below the top of the casing in RI-MW-05A on 8/23/2022.
Monitoring well installed to approximately 14.58 feet below grade.

Soil samples analyzed for VOCs by EPA Method 8260.
Groundwater encountered at approximately 8 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector NAPL = non-aqueous phase liquid ppm = parts per million ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Soil Boring ID: Sheet 1 of 1	**RI-SB-06**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~75°F, Cloudy and Showers
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 8:30 **Finish Time:** 9:10

Date: 6/16/2022

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	50	Top 4": CONCRETE.	ND	Dry	ND	ND	
2					14.6		
3					21.4		RI-SB-06_0-2_ 20220616
4		Bottom 46": Brown SAND, trace Brick, Silt, Concrete, Coal (FILL).	ND	Dry	24.3	ND	
5					25.8		
6	56	Top 34": Brown SAND, trace Brick, Silt, Concrete, Coal (FILL).	ND	Dry	27.6	ND	
7				Wet at 7ft	34.8		
8					31.2		RI-SB-06_6-8_ 20220616
9		Bottom 22": Grey SAND, little fine Gravel, trace Brick, Concrete (FILL).	Faint petroleum-like	Wet	24.0	ND	
10					21.3		
11	60	Top 4": SLOUGH	Faint petroleum-like	Wet	18.4	ND	
12		Next 21": Grey SAND, little fine Gravel (NATIVE).	Faint petroleum-like	Wet	8.9	ND	
13					6.7		RI-SB-06_12-14_ 20220616
14		Next 30": Grey SILT, trace Clay, Organics (Roots) (NATIVE).	Faint organic-like	Wet	6.3	ND	
15		Bottom 5": Brownish-Grey fine SAND (NATIVE).	Faint organic-like	Wet	7.8	ND	
16	60	Top 6" : SLOUGH.	ND	Wet	6.3	ND	
17					5.4		
18					8.3		
19		Bottom 54": Brownish-Grey fine SAND (NATIVE).	ND	Wet	7.1	ND	
20					7.4		

Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND WELL INSTALLATION LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 AKRF Project Number: 200283.11	Groundwater Monitoring Well ID: Sheet 1 of 1	RI-MW-07	Soil Boring ID:	RI-SB-07

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT, Augers
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~75°F, Cloudy and Showers
Logged by:	S. Schmid, AKRF

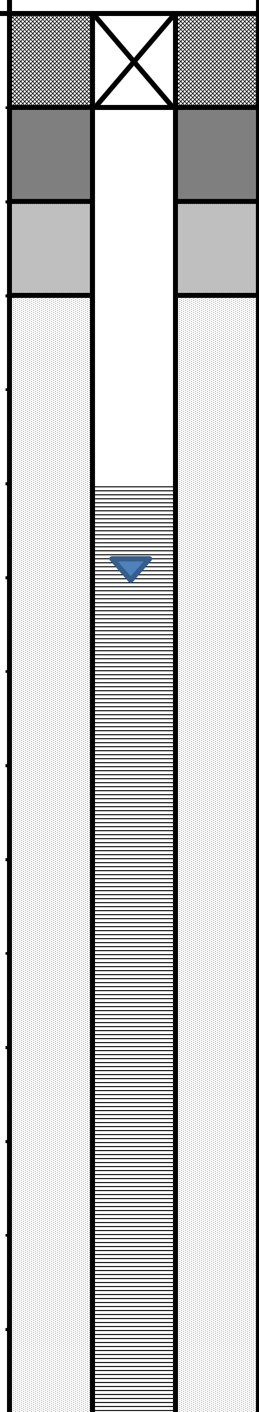
Drilling

Start Time: 7:30 | **Finish Time:** 8:20

Date: 6/16/2022

Surface Condition: Concrete

Depth (feet): 1 – 20



Well Construction

Flush-mounted well cover, locking j-plug, and concrete seal: grade to 1' below grade.

Non-shrinking cement grout: 1' to 2' below grade.

2" diameter PVC well casing: 0' to 5' below grade.

Bentonite seal: 2' to 3' below grade.

0.020-inch slotted PVC well screen: 5' to 15' below grade.

No. 2 morie sandpack filter: 3' to 15' below grade.

End cap: 15' below grade.

Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
45	Top 4": CONCRETE.	ND	Dry	ND, 13.3, 12.7	ND	RI-SB-07_0-2_ 20220616
	Bottom 41": Brown SAND, trace Coal, Concrete, Brick, fine Gravel (FILL).	ND	Dry	14.6, 13.5	ND	
43	Top 21": Brown SAND, trace Coal, Concrete, Brick, fine Gravel (FILL).	Petroleum-like	Dry	12.1, 17.3	ND	RI-SB-07_8-10_ 20220616
	Next 13": Black fine SAND, trace fine Gravel, Brick (FILL).	Petroleum-like	Wet at 7ft	26.4, 44.2	Sheen	
	Bottom 9": Grey fine SAND.	Petroleum-like	Wet	36.2	ND	
19	Top 4": SLOUGH.	Petroleum-like	Wet	22.6, 20.7, 14.8	ND	RI-SB-07_14-16_ 20220616
	Bottom 15": Grey fine SAND.	ND	Wet	16.9, 12.5	ND	
60	Top 34": Grey SAND, trace Silt, fine Gravel.	Petroleum-like	Wet	28.9, 24.3	Light NAPL	
	Next 8": Grey SAND, little Silt.	Petroleum-like	Wet	25.6, 17.7	ND	
	Bottom 18": Brown fine SAND.	Organic-like	Wet	2.4	ND	

Notes: Groundwater Depth Indicator

Groundwater was measured at 7.50 feet below the top of the casing in RI-MW-07 on 8/23/2022.

Monitoring well installed to approximately 15 feet below grade.

Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 7 feet below grade during soil boring installation.

End of soil boring at 20 feet below grade.

PID = photoionization detector **NAPL = non-aqueous phase liquid** **ppm = parts per million** **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	**Former Chesebrough Manufacturing Site** **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** **Sheet 1 of 1**	**RI-SB-08**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~75°F, Sunny
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 12:35 | **Finish Time:** 13:35

Date: 6/15/2022

Depth (feet)	Recovery (Inches)	**Surface Condition:** Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	60	Top 6": CONCRETE.	ND	Dry	ND ND	ND	RI-SB-08_0-0.2_ 20220615
2							
3					0.4		
4		Bottom 54": Brown SAND, trace Brick, Coal, Concrete, fine Gravel, Silt (FILL).	Faint petroleum-like	Dry	7.3	ND	RI-SB-08_0-2_ 20220615
5					14.4		
6	45	Top 9": Brown SAND, trace Brick, Coal, Concrete, fine Gravel, Silt (FILL).	Faint petroleum-like	Wet at 7ft	8.6	ND	
7					55.1		
8					66.4		RI-SB-08_7-9_ 20220615
9		Bottom 36": Dark Grey SAND, little fine Gravel, Silt, trace Coal, Brick (FILL).	Faint petroleum-like	Wet	23.2	ND	
10					12.7		
11	60	Top 10": Dark Grey SAND, little fine Gravel, Silt, trace Coal, Brick (FILL).	Faint petroleum-like	Wet	12.2	ND	
12					7.5		
13		Next 30": Grey SAND, trace fine Gravel (NATIVE).	ND	Wet	6.6	ND	
14					5.4		
15		Bottom 20": Grey Silt, little Clay, trace Organics (Roots) (NATIVE).	ND	Wet	4.3	ND	
16	60	Top 40": Grey fine SAND (NATIVE).	ND	Wet	7.6	ND	
17					6.5		
18		Next 6": ORGANICS (Peat) (NATIVE).	Organic-like	Wet	6.9	ND	RI-SB-08_18-20_ 20220615
19					ND		
20		Bottom 14": Grey fine SAND (NATIVE).	ND	Wet	ND	ND	

Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector   ppm = parts per million   NAPL = non-aqueous phase liquid   ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND WELL INSTALLATION LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 AKRF Project Number: 200283.11	Groundwater Monitoring Well ID: Sheet 1 of 1	RI-MW-09	Soil Boring ID:	RI-SB-09

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT, Augers
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Sunny
Logged by:	S. Schmid, AKRF

Drilling

Start Time: 7:30 **Finish Time:** 9:00

Date: 6/17/2022

Depth (feet)	Well Construction	Surface Condition: Concrete	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1		**Flush-mounted well cover, locking j-plug, and concrete seal: grade to 1' below grade.**	52	Top 4": CONCRETE.	ND	Dry	ND	ND	RI-SB-09_0-2_ 20220617
2							13.3		
3		**Non-shrinking cement grout: 1' to 2' below grade.**					12.7		RI-SB-09_3-4_ 20220617
4		**2" diameter PVC well casing: 0.25' to 3.15' below grade.**		Bottom 48": Brown SAND, trace Concrete, Brick, Silt (FILL).	ND	Dry	14.6	ND	RI-SB-09_3-5_ 20220617
5							13.5		
6		**Bentonite seal: 2' to 3' below grade.**	57	Top 35": Brown SAND, trace Concrete, Brick, Silt (FILL).	Petroleum-like	Dry	12.1	ND	RI-SB-09_5-6_ 20220617
7		**0.020-inch slotted PVC well screen: 3.15' to 18.15' below grade.**					17.3		
8				Next 8": Light Grey CLAYEY SILT, some Concrete (FILL).	Petroleum-like	Wet at 7ft	26.4	Sheen	
9		**No. 2 morie sandpack filter: 3' to 18.15' below grade.**					44.2		RI-SB-09_9-10_ 20220617
10				Bottom 14": Grey SAND, trace Silt, fine Gravel.	Petroleum-like	Wet	36.2	ND	
11			48	Top 16": Grey SAND, some fine Gravel, trace Silt.	Petroleum-like	Wet	22.6	ND	RI-SB-09_10-12_ 20220617
12							20.7		
13							14.8		
14				Bottom 32": Greyish-Brown SAND, little fine Gravel (NATIVE).	ND	Wet	16.9	ND	RI-SB-09_11-12_ 20220617
15							12.5		
16			60	Top 2": Greyish-Brown SAND, little fine Gravel (NATIVE). Next 4": ORGANICS (Peat) (NATIVE).	Petroleum-like	Wet	28.9	Light NAPL	
17							24.3		
18				Next 18": Grey SILT, little Clay (NATIVE).	Petroleum-like	Wet	25.6	ND	
19		**End cap: 18.15' below grade.**		Next 30": Grey SAND, some fine Gravel (NATIVE).			17.7		
20				Bottom 6": Grey SAND, trace fine Gravel (NATIVE).	Organic-like	Wet	2.4	ND	

Notes: Groundwater Depth Indicator

Groundwater was measured at 8.03 feet below the top of the casing in RI-MW-09 on 8/23/2022.

Monitoring well installed to approximately 18.15 feet below grade.

Soil samples collected in 2-foot intervals analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Soil samples collected in 1-foot intervals were analyzed for total and TCLP lead, only.

Groundwater encountered at approximately 7 feet below grade during soil boring installation.

End of soil boring at 20 feet below grade.

PID = photoionization detector NAPL = non-aqueous phase liquid ppm = parts per million ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY 11231
AKRF Project Number: 200283.11

Soil Boring ID: RI-SB-09N1
Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Sunny
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 10:30 **Finish Time:** 11:15

Date: 6/17/2022

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	45	Top 5": CONCRETE.	ND	Dry	ND	ND	
2					0.6		
3		Next 38": Brown SAND, trace Coal, Concrete, Silt (FILL).	Faint petroleum-like	Dry	5.3	ND	RI-SB-09N1_3-5_ 20220617
4					2.6		
5		Bottom 2": Grey SANDY SILTY, little fine Gravel.	Faint petroleum-like	Dry	4.7	ND	
6	34	Top 4": SLOUGH	Faint petroleum-like	Dry	19.3	ND	RI-SB-09N1_5-6_ 20220617
7					26.4		RI-SB-09N1_7-8_ 20220617
8					33.1		
9		Bottom 30": Grey SAND, trace fine Gravel, Silt.	Faint petroleum-like	Wet at 8ft	20.3	ND	RI-SB-09N1_9-10_ 20220617
10					12.4		
11	21	Grey SAND, little fine Gravel, trace Silt.	Petroleum-like	Wet	8.4	Globules	RI-SB-09N1_11-12_ 20220617
12					4.3		
13							
14							
15							
16							
17							
18							
19							
20							

Notes: Soil samples analyzed for total and TCLP lead.
Groundwater encountered at approximately 8 feet below grade during soil boring installation.
End of soil boring at 12 feet below grade.

PID = photoionization detector   ppm = parts per million   NAPL = non-aqueous phase liquid   ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	**Former Chesebrough Manufacturing Site** **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** **Sheet 1 of 1**	**RI-SB-09N2**
AKRF 440 Park Avenue South, 7th Floor New York, NY 10016	**Drilling Method:** Geoprobe 6610DT **Sampling Method:** 5' Macrocore **Driller:** Cascade Environmental **Weather:** ~85°F, Sunny **Logged By:** S. Schmid, AKRF	**Drilling** **Start Time:** 12:15 **Date:** 6/17/2022	**Finish Time:** 12:40

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	52	Top 5": CONCRETE.	ND	Dry	ND	ND	
2					4.3		
3		Next 45": Brown SAND, little fine Gravel, trace Brick, Coal, Concrete, Silt (FILL).	ND	Dry	5.5	ND	RI-SB-09N2_3-5_ 20220617
4					5.1		
5		Bottom 2": Grey SAND, trace Silt, fine Gravel.	ND	Dry	9.0	ND	
6	34	Top 4": SLOUGH	Petroleum-like	Dry	7.6	ND	RI-SB-09N2_5-6_ 20220617
7					11.2		RI-SB-09N2_7-8_ 20220617
8					8.1		
9		Bottom 30": Grey SAND, trace fine Gravel, Silt.	Petroleum-like	Wet at 8ft	9.2	ND	RI-SB-09N2_9-10_ 20220617
10					4.6		
11	24	Grey SAND, little fine Gravel, trace Silt.	Petroleum-like	Wet	2.8	Globules	RI-SB-09N2_11-12_ 20220617
12					1.7		
13							
14							
15							
16							
17							
18							
19							
20							

Notes: Soil samples analyzed for total and TCLP lead.
Groundwater encountered at approximately 8 feet below grade during soil boring installation.
End of soil boring at 12 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

Former Chesebrough Manufacturing Site **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** **Sheet 1 of 1**	**RI-SB-09-N3**	

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 7822DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Partly Cloudy
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 11:45 | **Finish Time:** 12:20

Date: 7/29/2022

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	30	Top 4": CONCRETE	ND	Dry	ND	ND	
2					ND		
3					ND		RI-SB-09-N3_5-6_ 20220729
4		Bottom 26": Brown SAND, little fine Gravel, trace Concrete, Brick (FILL).	ND	Dry	10.6	ND	
5					12.5		
6	30	Top 26": Brown SAND, little fine Gravel, trace Concrete, Brick (FILL).	ND	Dry	77.3	ND	RI-SB-09-N3_7-8_ 20220729
7					85.8		
8					51.1		
9		Bottom 4": Grey SAND, little fine Gravel, trace Silt.	Petroleum-like	Wet at 9ft	39.4	ND	RI-SB-09-N3_9-10_ 20220729
10					35.0		
11	30	Top 20": Grey SAND, little fine Gravel, trace Silt.	Petroleum-like	Wet	17.3	Light NAPL	
12					8.4		
13					3.2		
14		Bottom 10": Grey SILTY SAND, trace Clay, Organics (Roots) (NATIVE).	Organic-like	Wet	3.0	ND	
15					2.1		
16	26	Top 20": Grey SAND.	Organic-like	Wet	1.9	ND	
17					2.3		
18					1.1		
19		Bottom 6": ORGANICS (Peat) (NATIVE).	Organic-like	Wet	ND	ND	
20					ND		

Notes: Soil samples analyzed for total and TCLP lead.
Groundwater encountered at approximately 9 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector **ppm = parts per million** **NAPL = non-aqueous phase liquid** **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

Former Chesebrough Manufacturing Site
46 Verona Street, Brooklyn, NY 11231
AKRF Project Number: 200283.11

Soil Boring ID: RI-SB-09E1
Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Sunny
Logged By:	S. Schmid, AKRF

Drilling
Start Time: 9:00 **Finish Time:** 9:30
Date: 6/17/2022

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	56	Top 4": CONCRETE.	ND	Dry	ND	ND	
2					55.3		
3					63.7		RI-SB-09E1_3-5_ 20220617
4		Bottom 52": Brown SAND, trace Brick, Coal, Concrete, fine Gravel, Silt (FILL).	ND	Dry	66.8	ND	
5			Petroleum-like		97.4		
6	42	Top 24": Black SAND, trace Silt, Brick, Concrete (FILL).	Petroleum-like	Dry	67.0	ND	RI-SB-09E1_5-6_ 20220617
7					59.3		RI-SB-09E1_7-8_ 20220617
8					87.4		
9		Bottom 18": Grey SAND, little Silt, fine Gravel.	Petroleum-like	Wet at 8ft	44.5	ND	RI-SB-09E1_9-10_ 20220617
10					49.2		
11	24	Grey SAND, little Silt, fine Gravel.	Petroleum-like	Wet	104.3	Light NAPL	RI-SB-09E1_11-12_ 20220617
12					94.2		
13							
14							
15							
16							
17							
18							
19							
20							

Notes: Soil samples analyzed for total and TCLP lead.
Groundwater encountered at approximately 8 feet below grade during soil boring installation.
End of soil boring at 12 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	**Soil Boring ID:** Sheet 1 of 1	**RI-SB-09E2**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Sunny
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 9:30	**Finish Time:** 10:00
Date: 6/17/2022	

Depth (feet)	Recovery (Inches)	**Surface Condition:** Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	41	Top 4": CONCRETE.	ND	Dry	ND 0.1	ND	
2							
3					0.6		RI-SB-09E2_3-5_ 20220617
4		Bottom 37": Brown SAND, little Brick, trace Concrete, fine Gravel (FILL).	ND Petroleum-like	Dry	1.3 2.7	ND	
5							
6	41	Top 10": Brown SAND, little Brick, trace Concrete, fine Gravel (FILL).	Petroleum-like	Dry	4.4	ND	RI-SB-09E2_5-6_ 20220617
7		Next 12": Black SAND, little Silt.	Petroleum-like	Wet at 7ft	33.8 27.6	ND	RI-SB-09E2_7-8_ 20220617
8							
9		Bottom 19": Grey SAND, little Silt, trace fine Gravel.	Petroleum-like	Wet	22.1 25.3	ND	RI-SB-09E2_9-10_ 20220617
10							
11	20	Grey SAND, little Silt, trace fine Gravel.	ND	Wet	24.4 24.4	ND	RI-SB-09E2_11-12_ 20220617
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes: Soil samples analyzed for total and TCLP lead.
Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 12 feet below grade.

PID = photoionization detector   ppm = parts per million   NAPL = non-aqueous phase liquid   ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Soil Boring ID: Sheet 1 of 1	RI-SB-09-E3

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 7822DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Partly Cloudy
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 10:30 | **Finish Time:** 11:00

Date: 7/29/2022

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	39	Top 4": CONCRETE.	ND	Dry	ND	ND	
2					ND		
3					ND		RI-SB-09-E3_5-6_ 20220729
4		Bottom 35": Dark Brown SAND, trace Silt, Brick, fine Gravel, Concrete (FILL).	ND	Dry	ND	ND	
5					12.7		
6	22	Dark Brown SAND, trace Silt, Brick, fine Gravel, Concrete (FILL).	Faint Petroleum-like	Wet at 9ft	3.6	ND	RI-SB-09-E3_7-8_ 20220729
7					5.3		
8					4.6		
9					3.9		RI-SB-09-E3_9-10_ 20220729
10					7.1		
11	37	Top 12": Grey SAND, little fine Gravel.	Faint Petroleum-like	Wet	5.5	ND	
12					3.2		
13					2.2		
14		Bottom 25": Grey SILT, little Clay, trace Organics (Roots) (NATIVE).	Organic-like	Wet	1.7	ND	
15					1.9		
16	26	Top 7": Grey SILT, little Clay, trace Organics (Roots) (NATIVE).	ND	Wet	5.3	ND	
17					4.7		
18					6.2		
19		Bottom 19": Brown SAND.	ND	Wet	5.9	ND	
20					5.8		

Notes: Soil samples analyzed for total and TCLP lead.
Groundwater encountered at approximately 9 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector **ppm = parts per million** **NAPL = non-aqueous phase liquid** **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Soil Boring ID: Sheet 1 of 1	RI-SB-09W1

AKRF 440 Park Avenue South, 7th Floor New York, NY 10016		
Drilling Method:	Geoprobe 6610DT	**Drilling**
Sampling Method:	5' Macrocore	**Start Time:** 12:50 / **Finish Time:** 13:20
Driller:	Cascade Environmental	
Weather:	~85°F, Sunny	**Date:** 6/17/2022
Logged By:	S. Schmid, AKRF	

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	50	Top 4": CONCRETE.	ND	Dry	ND	ND	
2					6.7		
3		Next 44": Brownish-Black SAND, trace fine Gravel, Concrete, Silt, Brick (FILL).	ND	Dry	30.4	ND	RI-SB-09W1_3-5_ 20220617
4					27.9	ND	
5		Bottom 2": Grey SAND, little Silt, fine Gravel.	Petroleum-like	Dry	6.9		
6	36	Top 18": Grey SAND, little Silt, fine Gravel.	Petroleum-like	Dry	17.6	ND	RI-SB-09W1_5-6_ 20220617
7					55.3		RI-SB-09W1_7-8_ 20220617
8			Petroleum-like		53.6		
9		Bottom 18": Grey SAND, trace fine Gravel, Silt.		Wet at 8ft	28.1	ND	RI-SB-09W1_9-10_ 20220617
10			ND		7.0		
11	24	Grey SAND, little fine Gravel, Silt.	ND	Wet	11.6	Light NAPL	RI-SB-09W1_11-12_ 20220617
12					20.8		
13							
14							
15							
16							
17							
18							
19							
20							

Notes: Soil samples analyzed for total and TCLP lead.
Groundwater encountered at approximately 8 feet below grade during soil boring installation.
End of soil boring at 12 feet below grade.

PID = photoionization detector **ppm = parts per million** **NAPL = non-aqueous phase liquid** **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Soil Boring ID: Sheet 1 of 1	RI-SB-09W2

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Sunny
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 13:30 | **Finish Time:** 14:00

Date: 6/17/2022

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	43	Top 4": CONCRETE.	ND	Dry	ND	ND	
2					8.7		
3		Next 37": Brownish-Black SAND, trace Brick, Concrete, Ceramics, Silt, fine Gravel (FILL).	Petroleum-like	Dry	10.3	ND	RI-SB-09W2_3-5_ 20220617
4					15.6		
5		Bottom 2": Grey SAND, little Silt.	Petroleum-like	Dry	14.3	ND	
6	30	Top 6": SLOUGH.	Petroleum-like	Dry	4.3	ND	RI-SB-09W2_5-6_ 20220617
7					12.7		
8					13.6		RI-SB-09W2_7-8_ 20220617
9		Bottom 24": Grey SAND, little Silt, trace fine Gravel.	Faint petroleum-like	Wet at 9ft	12.1	ND	RI-SB-09W2_9-10_ 20220617
10					10.0		
11	24	Grey SAND, little fine Gravel, trace Silt.	Faint petroleum-like	Wet	2.3	Light NAPL	RI-SB-09W2_11-12_ 20220617
12					1.9		
13							
14							
15							
16							
17							
18							
19							
20							

Notes: Soil samples analyzed for total and TCLP lead.
Groundwater encountered at approximately 9 feet below grade during soil boring installation.
End of soil boring at 12 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	**Former Chesebrough Manufacturing Site** **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** **Sheet 1 of 1**	**RI-SB-09-W3**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 7822DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Partly Cloudy
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 11:45 | **Finish Time:** 12:20

Date: 7/29/2022

Depth (feet)	Recovery (Inches)	**Surface Condition:** Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	28	Top 4": CONCRETE.	ND	Dry	ND	ND	
2					2.6		
3					2.0		RI-SB-09-W3_5-6_ 20220729
4		Bottom 24": Dark Brown SAND, trace fine Gravel, Silt, Concrete, Brick (FILL).	Petroleum-like	Dry	1.7	ND	
5					1.6		
6	30	Top 27": Dark Brown SAND, trace fine Gravel, Silt, Concrete, Brick (FILL).	Petroleum-like	Dry	13.4	ND	RI-SB-09-W3_7-8_ 20220729
7					83.1		
8					55.7		
9		Bottom 3": Grey SAND, little fine Gravel, trace Silt.	Petroleum-like	Wet at 10ft	22.3	ND	RI-SB-09-W3_9-10_ 20220729
10					17.2		
11	28	Grey SAND, little Silt, trace fine Gravel.	ND	Wet	12.2	ND	
12					7.7		
13					3.4		
14					1.9	ND	
15					1.2		
16	36	Top 20": Grey SAND, little Silt, trace fine Gravel.	ND	Wet	1.1	ND	
17					1.3		
18		Next 6": ORGANICS (Peat) (NATIVE).	Organic-Like	Wet	ND	ND	
19					ND		
20		Bottom 10": Brown SAND (NATIVE).	ND	Wet	ND	ND	

Notes: Soil samples analyzed for total and TCLP lead.
Groundwater encountered at approximately 10 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector **ppm = parts per million** **NAPL = non-aqueous phase liquid** **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 AKRF Project Number: 200283.11	Soil Boring ID: Sheet 1 of 1	RI-SB-10

AKRF 440 Park Avenue South, 7th Floor New York, NY 10016			
Drilling Method:	Geoprobe 6610DT	Drilling	
Sampling Method:	5' Macrocore	Start Time: 14:00	Finish Time: 14:35
Driller:	Cascade Environmental		
Weather:	~75°F, Cloudy and Showers	Date: 6/16/2022	
Logged By:	S. Schmid, AKRF		

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	56	Top 4": CONCRETE.	ND	Dry	ND	ND	
2					10.3		
3					13.7		RI-SB-10_0-2_ 20220616
4		Bottom 52": Brown SAND, little fine Gravel, trace Brick, Concrete, Silt, Coal (FILL).	ND	Dry	15.5	ND	
5					22.4		
6	50	Top 16": Brown SAND, little fine Gravel, trace Brick, Concrete, Silt, Coal (FILL).	ND	Dry	31.6	ND	
7					34.2		
8		Next 17": Grey SAND, some Silt, trace fine Gravel.	Petroleum-like	Wet at 7ft	24.7	ND	
9					77.0		
10		Bottom 17": Grey SILT, some fine Grvel, trace Sand.	Petroleum-like	Wet	68.1	ND	
11	60	Top 4": SLOUGH	Petroleum-like	Wet	38.4	ND	RI-SB-10_11-13_ 20220616
12					46.1		
13		Next 50": Grey SAND, trace fine Gravel, Glass.	Petroleum-like	Wet	88.3	ND	
14					21.6		RI-SB-10_14-16_ 20220616
15		Bottom 6": Grey SILT, trace Clay, Organics (Roots) (NATIVE).	ND	Wet	10.3	ND	
16	60				10.7		
17					9.6		
18		Grey fine SAND (NATIVE).	ND	Wet	11.4	ND	
19					13.2		
20					3.3		

Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector   ppm = parts per million   NAPL = non-aqueous phase liquid   ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND WELL INSTALLATION LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Groundwater Monitoring Well ID: Sheet 1 of 1	RI-MW-11	Soil Boring ID:	RI-SB-11

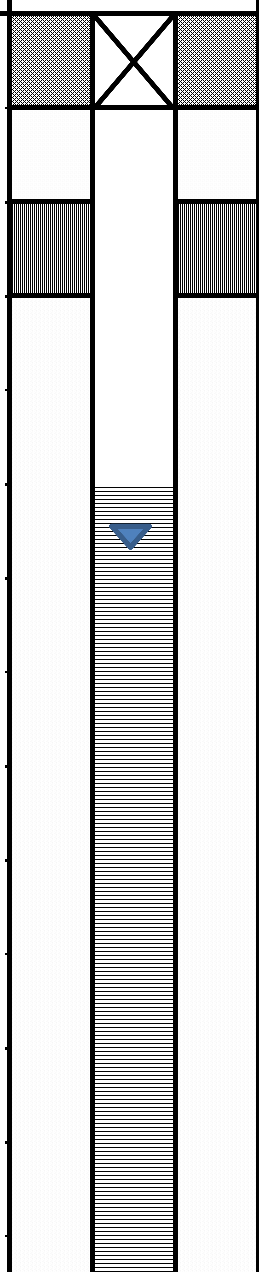
AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT, Augers
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~75°F, Sunny
Logged by:	S. Schmid, AKRF

Drilling

Start Time: 13:35	**Finish Time:** 14:45
Date: 6/15/2022	

Well Construction — **Surface Condition:** Concrete



Depth (feet)	Well construction description
0–1	**Flush-mounted well cover, locking j-plug, and concrete seal: grade to 1' below grade.**
1–2	**Non-shrinking cement grout: 1' to 2' below grade.**
0.25–3.56	**2" diameter PVC well casing: 0.25' to 3.56' below grade.**
2–3	**Bentonite seal: 2' to 3' below grade.**
3.56–13.56	**0.020-inch slotted PVC well screen: 3.56' to 13.56' below grade.**
3–13.56	**No. 2 morie sandpack filter: 3' to 13.56' below grade.**
13.56	**End cap: 13.56' below grade.**

Depth (feet)	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	43	Top 4": CONCRETE.	ND	Dry	ND 1.7	ND	
3					2.3		RI-SB-11_0-2_ 20220615
4–5		Bottom 39": Brown SAND, little fine Gravel, trace Brick, Coal, Concrete, Metal (FILL).	Faint petroleum-like	Dry	2.8 2.4	ND	
6–7	32	Top 20": Brown SAND, little fine Gravel, trace Brick, Coal, Concrete, Metal (FILL).	Petroleum-like	Wet at 7ft	12.1 36.4	ND	
8					59.3		RI-SB-11_8-10_ 20220615
9–10		Bottom 12": Grey fine SAND, trace Organics (Shell fragments) (NATIVE).	Petroleum-like	Wet	375.2 460.8	ND	
11–12	55	Top 35": Grey fine SAND, trace Organics (Shell fragments) (NATIVE).	Petroleum-like	Wet	102.3 218.7	Globules	
13–14		Next 14": Grey SILT, little Clay, trace Organics (Roots) (NATIVE).	Petroleum-like	Wet	77.5 50.4	ND	RI-SB-11_13-15_ 20220615
15		Bottom 6": ORGANICS (Peat) (NATIVE).	Organic-like	Wet	16.4	ND	
16–20	60	Greyish-Brown fine SAND (NATIVE).	Organic-like ND	Wet	54.3 72.1 50.6 47.5 26.3	ND	

Notes: ▼ **Groundwater Depth Indicator**

Groundwater was measured at 6.96 feet below the top of the casing in RI-MW-11 on 8/23/2022.

Monitoring well installed to approximately 13.56 feet below grade.

Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 7 feet below grade during soil boring installation.

End of soil boring at 20 feet below grade.

PID = photoionization detector **NAPL = non-aqueous phase liquid** **ppm = parts per million** **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	**Former Chesebrough Manufacturing Site** **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** **Sheet 1 of 1**	**RI-SB-12**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT	**Drilling**	
Sampling Method:	5' Macrocore	**Start Time:** 7:45	**Finish Time:** 8:35
Driller:	Cascade Environmental		
Weather:	~75°F, Sunny	**Date:** 6/15/2022	
Logged By:	S. Schmid, AKRF		

Depth (feet)	Recovery (Inches)	**Surface Condition:** Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	40	Top 4": CONCRETE.	ND	Dry	ND	ND	RI-SB-12_0-0.2_ 20220615
2							
3							
4		Bottom 36": Brown SAND, little fine Gravel, trace Silt, Brick, Concrete, Coal (FILL).	ND	Dry	ND	ND	RI-SB-12_0-2_ 20220615
5							
6	41	Top 31": Brown SAND, little fine Gravel, trace Silt, Brick, Concrete, Coal (FILL).	ND	Wet at 7ft	ND	ND	
7			Petroleum-like		ND		
8					6.4		RI-SB-12_8-10_ 20220615
9		Bottom 10": Grey SAND, little fine Gravel.	Petroleum-like	Wet	33.1	ND	
10					17.2		
11	60	Top 3": SLOUGH	Petroleum-like	Wet	3.2	ND	
12					2.1		
13		Next 16": Grey fine SAND, trace fine Gravel.	Petroleum-like	Wet	ND	ND	RI-SB-12_12-14_ 20220615
14					ND		
15		Bottom 41": Grey SILT, little Clay, trace Organics (Roots) (NATIVE).	ND	Wet	ND	ND	
16	60	Top 14": Grey SILT, little Clay, trace Organics (Roots) (NATIVE).	ND	Wet		ND	
17							
18					ND		
19		Bottom 46": Grey fine SAND (NATIVE).	ND	Wet		ND	
20							

Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND WELL INSTALLATION LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 AKRF Project Number: 200283.11	Groundwater Monitoring Well ID: Sheet 1 of 1	RI-MW-13	Soil Boring ID:	RI-SB-13

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT, Augers
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~80°F, Partly Cloudy
Logged by:	S. Schmid, AKRF

Drilling

Start Time: 8:05	**Finish Time:** 10:00
Date: 6/14/2022	

Surface Condition: Concrete

Well Construction:

- **Flush-mounted well cover, locking j-plug, and concrete seal: grade to 1' below grade.**
- **Non-shrinking cement grout: 1' to 2' below grade.**
- **2" diameter PVC well casing: 0.25' to 4.10' below grade.**
- **Bentonite seal: 2' to 3' below grade.**
- **0.020-inch slotted PVC well screen: 4.10' to 14.10' below grade.**
- **No. 2 morie sandpack filter: 3' to 14.10' below grade.**
- **End cap: 14.10' below grade.**

Depth (feet)	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
0-5	36	Top 6": CONCRETE.	ND	Dry	ND	ND	RI-SB-13_0-0.2_ 20220614
		Bottom 30": Brown SAND, some Brick, little fine Gravel, trace Concrete, Coal, Silt (FILL).	ND	Dry	ND	ND	RI-SB-13_0-2_ 20220614
5-10	37	Top 6": SLOUGH.	ND	Dry	ND	ND	
		Next 27": Brown SAND, little fine Gravel, trace Silt, Wood (FILL).	Faint petroleum-like	Dry	ND	ND	RI-SB-13_8-10_ 20220614
		Bottom 4": Grey SAND, trace fine Gravel.	Faint petroleum-like	Wet at 9ft	ND	ND	
10-15	60	Top 10": Grey SAND, trace fine Gravel.	ND	Wet	ND 2.0	ND	
		Next 38": Grey SILT, little Clay, trace Organics (Roots) (NATIVE).	ND	Wet	11.1 3.6	ND	RI-SB-13_10-12_ 20220614
		Bottom 12": Grey fine SAND (NATIVE).	ND	Wet	ND	ND	
15-20	60	Grey fine SAND (NATIVE).	ND	Wet	ND	ND	

Notes: ▼ **Groundwater Depth Indicator**

Groundwater was measured at 6.96 feet below the top of the casing in RI-MW-13 on 8/23/2022.

Monitoring well installed to approximately 14.10 feet below grade.

Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 9 feet below grade during soil boring installation.

End of soil boring at 20 feet below grade.

PID = photoionization detector | **NAPL = non-aqueous phase liquid** | **ppm = parts per million** | **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND WELL INSTALLATION LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Groundwater Monitoring Well ID: Sheet 1 of 1	**RI-MW-14**	Soil Boring ID:	**RI-SB-14**

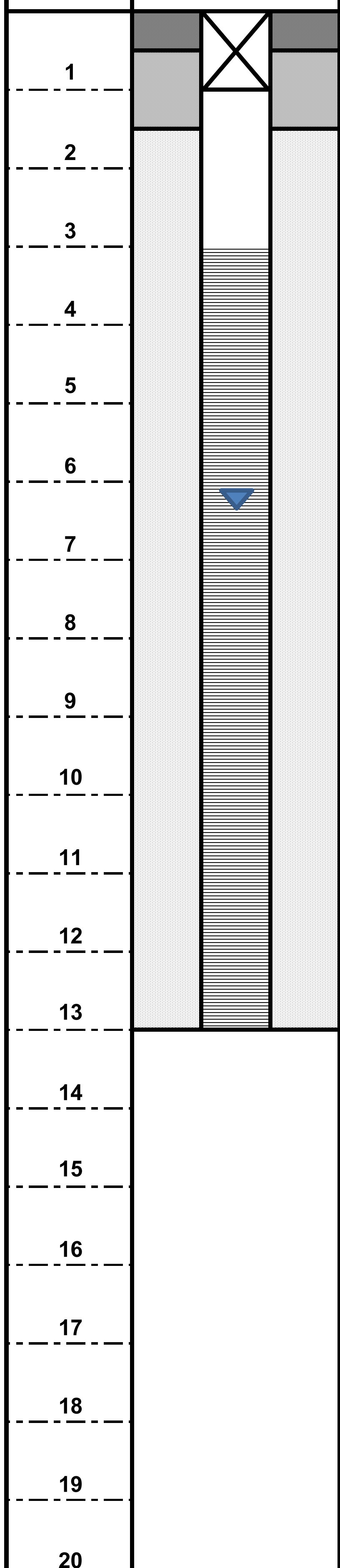
AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT, Augers
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Sunny
Logged by:	S. Schmid, AKRF

Drilling

Start Time: 10:15	**Finish Time:** 11:00
Date: 6/13/2022	

Depth (feet) | **Well Construction** | **Surface Condition:** Concrete



Flush-mounted well cover, locking j-plug, and concrete seal: grade to 1' below grade.

Non-shrinking cement grout: 0' to 0.5' below grade.

2" diameter PVC well casing: 0.5' to 2.95' below grade.

Bentonite seal: 0.5' to 1.5' below grade.

0.020-inch slotted PVC well screen: 2.95' to 12.95' below grade.

No. 2 morie sandpack filter: 1.5' to 12.95' below grade.

End cap: 12.95' below grade.

Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
36	Top 6": CONCRETE.	ND	Dry	ND	ND	RI-SB-14_0-2_ 20220613
	Bottom 30": Brown SAND, little Brick, trace fine Gravel, Silt (FILL).	ND	Dry	ND	ND	
41	Top 21": Brown SAND, little Brick, trace fine Gravel, Silt (FILL).	ND	Dry	2.3 22.6 17.8	ND	RI-SB-14_6-8_ 20220613
	Bottom 20": Grey SAND, trace Brick, fine Gravel, Silt (FILL).	Petroleum-like	Wet at 8ft	6.4 5.1	ND	
60	Top 12": Grey SAND, trace Brick, fine Gravel, Silt (FILL).	Petroleum-like	Wet	2.1 1.7	ND	RI-SB-14_12-14_20220613
	Next 28": Grey SILT, trace Clay, Organics (Roots) (NATIVE).	Organic-like	Wet	2.3 1.9	ND	
	Bottom 20": Grey fine SAND (NATIVE).	ND	Wet	1.9	ND	
60	Grey fine SAND (NATIVE).	ND	Wet	ND	ND	

Notes: Groundwater Depth Indicator
Groundwater was measured at 6.97 feet below the top of the casing in RI-MW-14 on 8/23/2022.
Monitoring well installed to approximately 12.95 feet below grade.

Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 8 feet below grade during soil boring installation.

End of soil boring at 20 feet below grade.

PID = photoionization detector **NAPL = non-aqueous phase liquid** **ppm = parts per million** **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	**Former Chesebrough Manufacturing Site** **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** **Sheet 1 of 1**	**RI-SB-15**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 6610DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Sunny
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 9:15 **Finish Time:** 9:45

Date: 6/13/2022

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1–2	40	Top 4": CONCRETE.	ND	Dry	ND 6.5	ND	RI-SB-15_0-2_ 20220613
3					22.7		
4–5		Bottom 36": Brown SAND, little Concrete, Brick, trace fine Gravel, Silt (FILL).	Faint petroleum-like	Dry	50.1 18.6	ND	RI-SB-15_3-5_ 20220613
6	25	Top 5": SLOUGH.	ND	Dry	0.4	ND	
7–9		Next 17": Brown SAND, little Brick (FILL).	ND	Wet at 8ft	ND ND ND	Faint Sheen	RI-SB-15_7-9_ 20220613
10		Bottom 3": Brown SAND.	ND	Wet	ND	ND	
11–15	60	Brown SAND.	ND	Wet	ND	ND	
16–17	60	Top 30": Brown SAND.	ND	Wet	ND	ND	
18–20		Bottom 30": Grey fine SAND (NATIVE).	ND	Wet	ND	ND	

Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 8 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Soil Boring ID: Sheet 1 of 1	RI-SB-16

AKRF 440 Park Avenue South, 7th Floor New York, NY 10016		Drilling	
	Drilling Method: Geoprobe 6610DT	Start Time: 12:45	Finish Time: 14:30
	Sampling Method: 5' Macrocore		
	Driller: Cascade Environmental		
	Weather: ~80°F, Partly Cloudy	Date: 6/14/2022	
	Logged By: S. Schmid, AKRF		

Depth (feet)	Recovery (Inches)	**Surface Condition:** Concrete	Odor	Moisture	PID	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	60	Top 4": CONCRETE.	ND	Dry	ND	ND	RI-SB-16_0-2_ 20220614
		Bottom 56": Brown SAND, trace Brick, fine Gravel, Silt (FILL).	ND	Dry	ND	ND	
6–10	39	Top 6": SLOUGH.	ND	Dry	ND	ND	RI-SB-16_8-10_ 20220614
		Next 9": Brown SAND, some Silt, trace fine Gravel (FILL).	ND	Dry	ND	ND	
		Bottom 24": Brown SAND, trace Brick, Coal Slag, fine Gravel, Silt, Wood (FILL).	ND	Wet at 9ft	ND	ND	
11–15	46	Top 20": Grey SILT, little Clay (NATIVE).	ND	Wet	ND	ND	RI-SB-16_10- 12_20220614
		Bottom 26": Grey fine SAND (NATIVE).	ND	Wet	ND	ND	
16–20	60	Brown SAND (NATIVE).	ND	Wet	ND	ND	

Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 9 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND WELL INSTALLATION LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Groundwater Monitoring Well ID: Sheet 1 of 1	RI-MW-17	Soil Boring ID:	RI-SB-17

AKRF 440 Park Avenue South, 7th Floor New York, NY 10016		
Drilling Method:	Geoprobe 6610DT, Augers	**Drilling**
Sampling Method:	5' Macrocore	**Start Time:** 10:45 — **Finish Time:** 12:15
Driller:	Cascade Environmental	
Weather:	~80°F, Partly Cloudy	**Date:** 6/14/2022
Logged by:	S. Schmid, AKRF	

Surface Condition: Concrete

Well Construction:

- **Flush-mounted well cover, locking j-plug, and concrete seal: grade to 1' below grade.**
- **Non-shrinking cement grout: 1' to 2' below grade.**
- **2" diameter PVC well casing: 0.5' to 3.60' below grade.**
- **Bentonite seal: 2' to 3' below grade.**
- **0.020-inch slotted PVC well screen: 3.60' to 13.60' below grade.**
- **No. 2 morie sandpack filter: 3' to 13.60' below grade.**
- **End cap: 13.60' below grade.**

Depth (feet)	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
0-5	27	Top 6": CONCRETE.	ND	Dry	ND	ND	RI-SB-17_0-2_ 20220614
		Bottom 21": Brown SAND, little Concrete, Brick, trace fine Gravel, Coal (FILL).	ND	Dry	ND	ND	
5-10	31	Top 16": Brown SAND, little Concrete, Brick, trace fine Gravel, Coal (FILL).	ND	Dry	ND	ND	
		Bottom 15": Grey SILT, trace Sand, fine Gravel (NATIVE).	ND	Wet at 8ft	ND	ND	
10-15	60	Top 21": Greyish-Brown SILT, little Sand, fine Gravel (NATIVE).	Faint petroleum-like	Wet	0.6 0.6	ND	RI-SB-17_12-14_ 20220614
		Next 26": Grey SILT, little Clay (NATIVE).	Faint petroleum-like	Wet	0.6 ND	ND	
		Bottom 13": Grey fine SAND (NATIVE).	Faint petroleum-like	Wet	ND	ND	
15-20	60	Grey fine SAND (NATIVE).	ND	Wet	5 2.7 ND ND ND	ND	RI-SB-17_15-17_ 20220614

Notes: ▼ **Groundwater Depth Indicator**

Groundwater was measured at 6.58 feet below the top of the casing in RI-MW-17 on 8/23/2022.

Monitoring well installed to approximately 13.60 feet below grade.

Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Metals (plus cyanide and hexavalent chromium) by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270, and PFAS by EPA Method 537.1.

Groundwater encountered at approximately 8 feet below grade during soil boring installation.

End of soil boring at 20 feet below grade.

PID = photoionization detector **NAPL = non-aqueous phase liquid** **ppm = parts per million** **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND WELL INSTALLATION LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Groundwater Monitoring Well ID: Sheet 1 of 1	**RI-MW-25**	Soil Boring ID:	**RI-SB-25**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

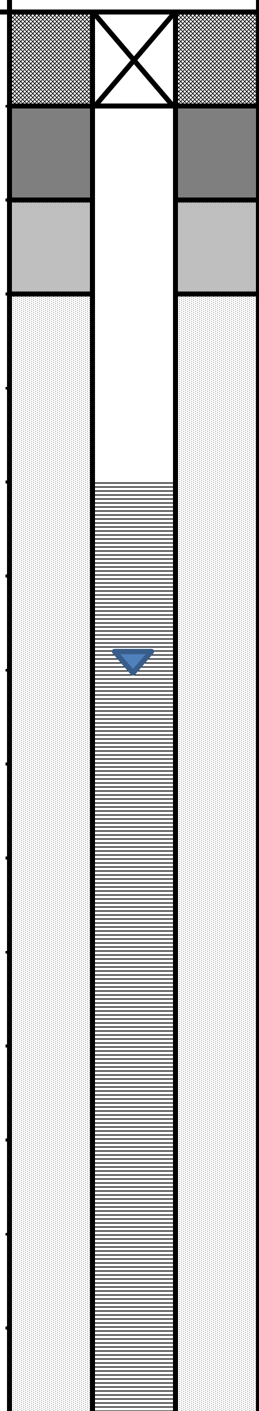
Drilling Method:	Geoprobe 6610DT, Augers
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~90°F, Partly Cloudy
Logged by:	S. Schmid, AKRF

Drilling

Start Time: 12:30 | **Finish Time:** 14:45

Date: 7/28/2022

Well Construction



Surface Condition: Concrete

Flush-mounted well cover, locking j-plug, and concrete seal: grade to 1' below grade.

Non-shrinking cement grout: 1' to 2' below grade.

2" diameter PVC well casing: 0.25' to 5.19' below grade.

Bentonite seal: 2' to 3' below grade.

0.020-inch slotted PVC well screen: 5.19' to 15.19' below grade.

No. 2 morie sandpack filter: 3' to 15.19' below grade.

End cap: 15.19' below grade.

Depth (feet)	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
0–5	37	Top 6": CONCRETE.	ND	Dry	ND	ND	
		Bottom 31": Brown SAND, trace Brick, Concrete, Silt, fine Gravel, Asphalt, Metal (FILL).	ND	Dry	ND	ND	
5–10	25	Top 20": Brown SAND, trace Brick, Concrete, Silt, fine Gravel, Asphalt, Metal (FILL).	ND	Wet at 8ft	ND ND ND	ND	RI-SB-25_8-10_ 20220728
		Bottom 5": Grey SAND, trace Silt, fine Gravel.	Petroleum-like	Wet	3.3 3.7	ND	
10–15	37	Top 7": Grey SAND, trace Silt, fine Gravel.	Petroleum-like	Wet	1.3 1.1	Faint Sheen	
		Next 12": Grey SAND, little Silt, trace Organics (Roots) (NATIVE).	Petroleum-like	Wet	0.9 0.8	ND	RI-SB-25_15-17_ 20220728
		Bottom 18": Grey SAND (NATIVE).	Petroleum-like	Wet	0.3	ND	
15–20	60	Grey SAND (NATIVE).	ND	Wet	ND	ND	

Notes: ▼ Groundwater Depth Indicator

Groundwater was measured at 6.98 feet below the top of the casing in RI-MW-25 on 8/23/2022.

Monitoring well installed to approximately 15.19 feet below grade.

Soil samples analyzed for VOCs by EPA Method 8260 and SVOCs by EPA Method 8270.

Groundwater encountered at approximately 8 feet below grade during soil boring installation.

End of soil boring at 20 feet below grade.

PID = photoionization detector **NAPL = non-aqueous phase liquid** **ppm = parts per million** **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Soil Boring ID: Sheet 1 of 1	**RI-SB-26**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 7822DT	**Drilling**	
Sampling Method:	5' Macrocore	**Start Time:** 7:30	**Finish Time:** 8:30
Driller:	Cascade Environmental		
Weather:	~85°F, Partly Cloudy	**Date:** 7/29/2022	
Logged By:	S. Schmid, AKRF		

Depth (feet)	Recovery (Inches)	**Surface Condition:** Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	30	Top 3": CONCRETE.	ND	Dry	ND ND	ND	
2							
3					ND		
4		Bottom 27": Brown SAND, some Brick, trace Silt, fine Gravel (FILL).	ND	Dry	1.9	ND	
5					2.1		
6	31	Top 18": Brown SAND, some Brick, trace Silt, fine Gravel (FILL).	ND	Dry	2.9 3.6	ND	
7							
8					4.7		
9		Bottom 13": Grey SAND, little Brick, trace Wood, fine Gravel (FILL).	Faint Petroleum-Like	Wet at 9ft	4.9	ND	
10					5.1		
11	50	Top 4": SLOUGH.	Faint Petroleum-Like	Wet	7.7	ND	RI-SB-26_10-12_ 20220729
12		Next 9": Grey SAND, little Brick, trace Wood, fine Gravel (FILL).	ND	Wet	10.1 3.2	ND	
13							
14		Bottom 37": Grey SILT, some Clay, trace Organics (roots) (NATIVE).	ND	Wet	ND	ND	RI-SB-26_14-16_ 20220729
15					ND		
16	40	Brown SAND.	ND	Wet	ND	ND	
17							
18							
19							
20							

Notes: Soil samples analyzed for VOCs by EPA Method 8260 and SVOCs by EPA Method 8270.
Groundwater encountered at approximately 9 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	**Former Chesebrough Manufacturing Site** **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** **Sheet 1 of 1**	**RI-SB-27**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 7822DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Partly Cloudy
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 7:30 | **Finish Time:** 8:30

Date: 7/29/2022

Depth (feet)	Recovery (Inches)	**Surface Condition:** Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	20	Top 5": CONCRETE.	ND	Dry	ND	ND	
		Bottom 15": Brown SAND, trace Brick, Concrete, fine Gravel, Silt (FILL).	ND	Dry	ND	ND	
6–10	26	Top 20": Brown SAND, trace Brick, Concrete, fine Gravel, Silt (FILL).	ND	Dry	ND	ND	
		Bottom 6": WOOD.	Faint Petroleum-Like	Wet at 10ft	ND	ND	
11–15	31	Top 8": Brown SAND, little fine Gravel, trace Silt, Glass, Brick (FILL).	Faint Petroleum-Like	Wet	ND	ND	RI-SB-27_10-12_20220729
		Bottom 23": Grey SILT, some Clay, trace Sand, Organics (Roots) (NATIVE).	ND	Wet	ND	ND	RI-SB-27_13-15_20220729
16–20	50	Top 30": Grey SILT, some Clay, trace Sand, Organics (Roots) (NATIVE).	ND	Wet	ND	ND	
		Bottom 20": Grey SAND (NATIVE).	ND	Wet	ND	ND	

Notes: Soil samples analyzed for VOCs by EPA Method 8260 and SVOCs by EPA Method 8270.
Groundwater encountered at approximately 10 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector **ppm = parts per million** **NAPL = non-aqueous phase liquid** **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	**Former Chesebrough Manufacturing Site** **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** **Sheet 1 of 1**	**RI-SB-28**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 7822DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~85°F, Partly Cloudy
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 9:20 | **Finish Time:** 10:10

Date: 7/29/2022

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	40	Top 4": CONCRETE.	ND	Dry	ND	ND	
		Bottom 36": Brown SAND, little Brick, trace fine Gravel, Concrete, Glass, Metal (FILL).	ND	Dry	ND	ND	
6–10	37	Brown SAND, little Brick, trace fine Gravel, Concrete, Glass, Metal (FILL).	ND	Wet at 10ft	ND	ND	
11–15	48	Top 8": Brown SAND, little Brick, trace fine Gravel, Concrete, Glass, Metal (FILL).	Faint Petroleum-Like	Wet	ND	ND	RI-SB-28_9-11_ 20220729
		Bottom 40": Brown SAND.	Faint Petroleum-Like	Wet	ND	ND	
16–20	35	Top 6": SLOUGH.	Faint Petroleum-Like	Wet	ND	ND	
		Next 25": Grey SILTY SAND, trace Clay, Organics (Roots) (NATIVE).	ND	Wet	ND	ND	RI-SB-28_17-19_ 20220729
		Bottom 4": Brown SAND (NATIVE).	ND	Wet	ND	ND	

Notes: Soil samples analyzed for VOCs by EPA Method 8260 and SVOCs by EPA Method 8270.
Groundwater encountered at approximately 10 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector **ppm = parts per million** **NAPL = non-aqueous phase liquid** **ND = not detected**

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Soil Boring ID: Sheet 1 of 1	**RI-SB-29**

AKRF 440 Park Avenue South, 7th Floor New York, NY 10016			
Drilling Method:	Geoprobe 7822DT	**Drilling**	
Sampling Method:	5' Macrocore	**Start Time:** 9:30	**Finish Time:** 10:05
Driller:	Cascade Environmental		
Weather:	~80°F, Sunny	**Date:** 7/27/2022	
Logged By:	S. Schmid, AKRF		

Depth (feet)	Recovery (Inches)	**Surface Condition:** Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	26	Top 6": CONCRETE.	ND	Dry	ND	ND	RI-SB-29_0-2_ 20220727
		Bottom 20": Brown SAND, trace Silt, fine Gravel, Concrete, Brick (FILL).	ND	Dry	ND	ND	
6–10	25	Top 10": Brown SAND, trace Silt, fine Gravel, Concrete, Brick (FILL).	ND	Wet at 7ft	ND	ND	RI-SB-29_5-7_ 20220727
		Bottom 15": Dark Grey SAND, little fine Gravel, trace Silt.	Faint Petroleum-like	Wet	ND	ND	
11–15	36	Top 4": SLOUGH.	ND	Wet	ND ND	ND	RI-SB-29_15-17_ 20220727
		Next 16": Grey SAND.	ND	Wet	ND	ND	
		Bottom 16": Brown SAND, little Organics (Roots and Peat), trace Silt (NATIVE).	Organic-like	Wet	0.8 ND	ND	
16–20	60	Grey fine SAND.	ND	Wet	ND	ND	

Notes: Soil samples analyzed for VOCs by EPA Method 8260 and SVOCs by EPA Method 8270.
Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Soil Boring ID: Sheet 1 of 1	RI-SB-30

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 7822DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~80°F, Sunny
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 10:30 | **Finish Time:** 11:05

Date: 7/27/2022

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	31	Top 3": CONCRETE	ND	Dry	ND	ND	RI-SB-30_0-2_ 20220727
		Bottom 28": Brown SAND, trace fine Gravel, Concrete, Silt Brick (FILL).	ND	Dry	ND	ND	
6–10	27	Top 14": Brown SAND, trace fine Gravel, Concrete, Silt Brick (FILL).	Petroleum-like	Wet at 7ft	2.5 8.0 10.5	ND	RI-SB-30_7-9_ 20220727
		Bottom 13": Grey SAND, little Silt, fine Gravel, trace Brick (FILL).	Petroleum-like	Wet	7.4 3.5	ND	
11–15	58	Top 40": Grey SAND, little Silt, fine Gravel, trace Brick (FILL).	Petroleum-like	Wet	ND ND ND	ND	
		Bottom 18": Grey SANDY SILT, trace Clay, Organics (ROOTS) (NATIVE).	ND	Wet	ND 0.9	ND	
16–20	60	Grey fine SAND.	ND	Wet	5.7 6.0 6.0 5.7 4.6	ND	RI-SB-30_18-20_ 20220727

Notes: Soil samples analyzed for VOCs by EPA Method 8260 and SVOCs by EPA Method 8270.
Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 20 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

SOIL BORING LOG	**Former Chesebrough Manufacturing Site** **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** **Sheet 1 of 1**	**RI-SB-31**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 7822DT	**Drilling**	
Sampling Method:	5' Macrocore	**Start Time:** 12:30	**Finish Time:** 13:30
Driller:	Cascade Environmental		
Weather:	~80°F, Sunny	**Date:** 7/27/2022	
Logged By:	S. Schmid, AKRF		

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	27	Top 4": CONCRETE.	ND	Dry	ND	ND	RI-SB-31_0-2_ 20220727
		Bottom 23": Brown SAND, trace fine Gravel, Brick, Concrete, Silt (FILL).	ND	Dry	ND	ND	
6–10	36	Top 17": Brown SAND, trace fine Gravel, Brick, Concrete, Silt (FILL).	Faint Petroleum-like	Wet at 7ft	2.2 6.5 3.7	Sheen	RI-SB-31_6-8_ 20220727
		Bottom 19": Grey SAND, little fine Gravel, trace Silt.	Faint Petroleum-like	Wet	2.1 2.4	ND	
11–15	40	Top 20": Brown SAND.	Faint Petroleum-like	Wet	ND 2.3	ND	
		Next 10": Grey SANDY SILT, trace Clay, Organics (Peat) (NATIVE).	Organic-like	Wet	ND	ND	
		Bottom 10": Grey fine SAND (NATIVE).	ND	Wet	ND ND	ND	
16–20							

Notes: Soil samples analyzed for VOCs by EPA Method 8260.
Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 15 feet below grade.

PID = photoionization detector   ppm = parts per million   NAPL = non-aqueous phase liquid   ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG	Former Chesebrough Manufacturing Site 46 Verona Street, Brooklyn, NY 11231 **AKRF Project Number:** 200283.11	Soil Boring ID: Sheet 1 of 1	RI-SB-32

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 7822DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~80°F, Sunny
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 8:15 | **Finish Time:** 8:50

Date: 7/27/2022

Surface Condition: Concrete

Depth (feet)	Recovery (Inches)	Description	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	27	Top 4": CONCRETE.	ND	Dry	ND	ND	RI-SB-32_0-2_ 20220727
		Bottom 23": Brown SAND, trace Brick, Concrete, Silt, fine Gravel (FILL).	ND	Dry	ND	ND	
6–10	36	Top 24": Brown SAND, trace Brick, Concrete, Silt, fine Gravel (FILL).	ND	Wet at 7ft	ND	Sheen	RI-SB-32_5-7_ 20220727
		Bottom 12": Dark Grey SAND, little fine Gravel, trace Silt.	Faint Petroleum-like	Wet	ND	ND	
11–15	34	Top 6": SLOUGH.	ND	Wet	0.4	ND	
					0.4		
		Next 8": Grey SAND.	Organic-like	Wet	0.4	ND	
					0.2		
		Bottom 20": Grey SAND, little Silt, trace Organics (Roots) (NATIVE).	Organic-like	Wet	0.2	ND	
16–20							

Notes: Soil samples analyzed for VOCs by EPA Method 8260.
Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 15 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG	**Former Chesebrough Manufacturing Site** **46 Verona Street, Brooklyn, NY 11231** **AKRF Project Number:** 200283.11	**Soil Boring ID:** **Sheet 1 of 1**	**RI-SB-33**

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe 7822DT
Sampling Method:	5' Macrocore
Driller:	Cascade Environmental
Weather:	~80°F, Sunny
Logged By:	S. Schmid, AKRF

Drilling

Start Time: 9:00	**Finish Time:** 9:25
Date: 7/27/2022	

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	28	Top 4": CONCRETE.	ND	Dry	ND	ND	RI-SB-33_0-2_ 20220727
		Bottom 24": Brown SAND, trace Brick, Concrete, Asphalt, Silt, fine Gravel (Fill).	ND	Dry	ND	ND	
6–10	34	Top 20": Brown SAND, trace Brick, Concrete, Asphalt, Silt, fine Gravel (Fill).	Faint Petroleum-like	Wet at 7ft	ND 1.9 ND	ND	RI-SB-33_5-7_ 20220727
		Bottom 14": Grey SAND, little fine Gravel, trace Silt.	ND	Wet	ND ND	ND	
11–15	32	Top 12": Grey SAND, little fine Gravel, trace Silt.	Faint Petroleum-like	Wet	0.2 ND ND	Sheen	
		Bottom 20": Grey SAND, little Silt, trace Organics (Roots) (NATIVE).	Organic-like	Wet	ND ND	ND	
16–20							

Notes: Soil samples analyzed for VOCs by EPA Method 8260.
Groundwater encountered at approximately 7 feet below grade during soil boring installation.
End of soil boring at 15 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

APPENDIX D

WELL DEVELOPMENT LOGS

Well Development Log

Job No: 200283.11
Client: NYCSCA
Well No: RI-MW-01
Project Location: 46 Verona Street, Brooklyn, NY
Sampled By: C.Bearden, AKRF
Date: 7/28/2022 & 7/29/2022
Time: 8:20
PID: 8.0 ppm
LEL: NA
Total Depth: 15.15
Well Diameter: 2 inches
Depth to Water: 6.60
Well Volume*: 1.39 gallons
Water Column (WC): 8.55

Well Volume (V) = Br 2 h (cf)
B = pi (approx. 3.14)
r = monitoring well radius in ft.
h = height of the water column in ft.
cf = conversion factor = 7.48 gal/ft^3

Time	Pump Rate (ml/min)	Turbidity (NTU)	Temperature (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments (note color or odors)
8:20	500	615	21.16	1.41	1.20	6.16	61	Slight petroleum-like odor
8:41	500	78.6	19.94	1.52	0.10	6.08	52	Slight petroleum-like odor
8:53	500	89.2	19.29	1.40	0.48	6.06	61	Slight petroleum-like odor

Total Volume Purged: 36 gallons (16 of 36 gallons with high silt content purged on 7/28 prior to readings)

For Surge Method: Purge until water quality parameters are stabile (within 10%) for three successive readings, and turbidity is less than 50 NTU for three successive readings.
For Bailer Method: Purge a minimum of three well volumes and water appears clear in the bailer.

AKRF

Well Development Log

Job No: 200283.11	**Client:** NYCSCA
Project Location: 46 Verona Street, Brooklyn, NY	**Sampled By:** C.Bearden, AKRF
Date: 7/28/2022	**Time:** 12:22
PID: 1.2 ppm	**LEL:** NA

Well No: RI-MW-05A

Total Depth: 14.48	**Well Diameter:** 2 inches
Depth to Water: 7.00	**Well Volume*:** 1.22 gallons
Water Column (WC): 7.48	

Well Volume (V) = Br 2 h (cf)

B = pi (approx. 3.14)
r = monitoring well radius in ft.
h = height of the water column in ft.
cf = conversion factor = 7.48 gal/ft^3

Time	**Pump Rate** (ml/min)	**Turbidity** (NTU)	**Temperature** (°C)	**Conductivity** (mS/cm)	**DO** (mg/L)	**pH**	**ORP** (mV)	**Comments** (note color or odors)
12:22	500	303	20.62	1.32	7.50	4.71	30	Slight petroleum-like odor
12:30	500	287	20.89	1.45	0.00	4.93	20	Slight petroleum-like odor
12:41	500	360	19.71	1.39	0.00	5.10	-7	Slight petroleum-like odor

Total Volume Purged: 55 gallons

For Surge Method: Purge until water quality parameters are stabile (within 10%) for three successive readings, and turbidity is less than 50 NTU for three successive readings.
For Bailer Method: Purge a minimum of three well volumes and water appears clear in the bailer.

AKRF

Well Development Log

Job No: 200283.11	**Client:** NYCSCA	**Well No:** RI-MW-07
Project Location: 46 Verona Street, Brooklyn, NY	**Sampled By:** H. Thompson, AKRF	
Date: 6/21/2022	**Time:** 12:30	
PID: 6.0 ppm	**LEL:** 0%	
Total Depth: 19.02	**Well Diameter:** 2 inches	**Well Volume (V) = Br 2 h (cf)**
Depth to Water: 6.00	**Well Volume*:** 2.12 gallons	B = pi (approx. 3.14) r = monitoring well radius in ft. h = height of the water column in ft. cf = conversion factor = 7.48 gal/ft^3
Water Column (WC): 13.02		

Time	Pump Rate (ml/min)	Turbidity (NTU)	Temperature (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments (note color or odors)
12:30	500	200.76	14.9	2.206	0.54	7.00	-140.0	Dark color, globules, petroleum-like odor
12:35	500	26.79	14.9	2.196	0.34	7.10	-173.3	Clear color, globules, petroleum-like odor
12:40	500	5.77	14.9	2.204	0.30	7.12	-177.0	Clear color, globules, petroleum-like odor
12:45	500	3.78	14.9	2.198	0.28	7.13	-181.4	Clear color, globules, petroleum-like odor
12:50	500	3.82	14.9	2.200	0.28	7.13	-181.9	Clear color, globules, petroleum-like odor

Total Volume Purged: 18 gallons (15 of 18 gallons with high silt content purged prior to readings)

For Surge Method: Purge until water quality parameters are stabile (within 10%) for three successive readings, and turbidity is less than 50 NTU for three successive readings.
For Bailer Method: Purge a minimum of three well volumes and water appears clear in the bailer.

Well Development Log

Job No: 200283.11	**Client:** NYCSCA	**Well No:** RI-MW-09
Project Location: 46 Verona Street, Brooklyn, NY	**Sampled By:** H. Thompson, AKRF	
Date: 6/21/2022	**Time:** 13:25	
PID: 17.8ppm	**LEL:** 0%	
Total Depth: 19.22	**Well Diameter:** 2 inches	**Well Volume (V) = Br 2 h (cf)**
Depth to Water: 5.86	**Well Volume*:** 2.18 gallons	B = pi (approx. 3.14) r = monitoring well radius in ft. h = height of the water column in ft. cf = conversion factor = 7.48 gal/ft^3
Water Column (WC): 13.36		

Time	**Pump Rate** (ml/min)	**Turbidity** (NTU)	**Temperature** (°C)	**Conductivity** (mS/cm)	**DO** (mg/L)	**pH**	**ORP** (mV)	**Comments** (note color or odors)
11:00	500	102.10	15.4	1.376	0.43	6.98	-139.7	Dark color, petroleum-like odor, troubleshoot pump
11:40	500	51.20	15.4	1.290	0.39	6.87	-137.0	Clear color, no odor
11:45	500	40.21	15.4	1.389	0.36	6.86	-139.2	Clear color, no odor
11:50	500	15.21	15.4	1.301	0.35	6.85	-141.1	Clear color, no odor
11:55	500	11.18	15.3	1.271	0.34	6.85	-144.8	Clear color, no odor
12:00	500	6.60	15.3	1.260	0.33	6.84	-146.6	Clear color, no odor
12:05	500	5.82	15.3	1.261	0.31	6.85	-148.1	Clear color, no odor

Total Volume Purged: 40 gallons (6 of 40 gallons with high silt content purged prior to readings, 25 of 40 gallons purged by Cascade on 6/17/22 to confirm well depth)

For Surge Method: Purge until water quality parameters are stabile (within 10%) for three successive readings, and turbidity is less than 50 NTU for three successive readings.
For Bailer Method: Purge a minimum of three well volumes and water appears clear in the bailer.

AKRF

Well Development Log

Job No: 200283.11	**Client:** NYCSCA	**Well No:** RI-MW-11
Project Location: 46 Verona Street, Brooklyn, NY	**Sampled By:** H. Thompson, AKRF	
Date: 6/21/2022	**Time:** 13:25	
PID: 14.7 ppm	**LEL:** 0%	
Total Depth: 13.52	**Well Diameter:** 2 inches	**Well Volume (V) = Br 2 h (cf)**
Depth to Water: 5.78	**Well Volume*:** 1.26 gallons	B = pi (approx. 3.14) r = monitoring well radius in ft. h = height of the water column in ft. cf = conversion factor = 7.48 gal/ft³
Water Column (WC): 7.74		

Time	Pump Rate (ml/min)	Turbidity (NTU)	Temperature (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments (note color or odors)
13:25	500	458.21	14.3	0.471	1.90	7.79	-203.8	Dark color, sheen, no odor
13:30	500	110.54	13.7	0.359	0.70	7.61	-86.7	Clear color, no odor
13:35	500	69.82	13.6	0.350	0.45	7.49	129.8	Clear color, no odor
13:40	500	45.51	13.6	0.358	0.38	7.45	137.0	Clear color, no odor
13:45	500	32.81	13.6	0.350	0.38	7.43	-143.0	Clear color, no odor
13:50	500	23.82	13.6	0.350	0.36	7.43	-145.8	Clear color, no odor

Total Volume Purged: 18 gallons (14 of 18 gallons with high silt content purged prior to readings)

For Surge Method: Purge until water quality parameters are stabile (within 10%) for three successive readings, and turbidity is less than 50 NTU for three successive readings.
For Bailer Method: Purge a minimum of three well volumes and water appears clear in the bailer.

Well Development Log

Job No: 200283.11	**Client:** NYCSCA
Project Location: 46 Verona Street, Brooklyn, NY	**Sampled By:** H. Thompson, AKRF
Date: 6/21/2022	**Time:** 8:00
PID: 29.2 ppm	**LEL:** 17%
Total Depth: 13.23	**Well Diameter:** 2 inches
Depth to Water: 6.30	**Well Volume*:** 1.13 gallons
Water Column (WC): 6.93	

Well No: RI-MW-13

Well Volume (V) = Br 2 h (cf)

B = pi (approx. 3.14)
r = monitoring well radius in ft.
h = height of the water column in ft.
cf = conversion factor = 7.48 gal/ft^3

Time	Pump Rate (ml/min)	Turbidity (NTU)	Temperature (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments (note color or odors)
8:00	500	> 1000	17.1	1.526	0.52	7.14	-103.9	Dark color, petroleum-like odor
8:15	500	> 1000	17.6	1.487	0.45	7.06	-114.7	Dark color, petroleum-like odor
8:20	500	> 1000	17.2	1.454	0.40	7.00	-123.6	Dark color, petroleum-like odor
8:25	500	93.60	17.2	1.458	0.36	6.98	-126.1	Clear color, no odor
8:30	500	70.82	17.3	1.467	0.35	6.95	-130.2	Clear color, no odor
8:35	500	43.32	17.3	1.483	0.36	6.90	-132	Clear color, no odor
8:40	500	31.31	17.5	1.493	0.37	6.87	-132.5	Clear color, no odor
8:45	500	18.97	17.7	1.513	0.36	6.87	-132.8	Clear color, no odor
8:50	500	14.87	17.5	1.505	0.36	6.85	-132.9	Clear color, no odor

Total Volume Purged: 14 gallons (7 of 14 gallons with high silt content purged prior to readings)

For Surge Method: Purge until water quality parameters are stabile (within 10%) for three successive readings, and turbidity is less than 50 NTU for three successive readings.
For Bailer Method: Purge a minimum of three well volumes and water appears clear in the bailer.

Well Development Log

Job No: 200283.11	**Client:** NYCSCA	**Well No:** RI-MW-14
Project Location: 46 Verona Street, Brooklyn, NY	**Sampled By:** H. Thompson, AKRF	
Date: 6/21/2022	**Time:** 9:00	
PID: 25.7 ppm	**LEL:** 0%	
Total Depth: 13.75	**Well Diameter:** 2 inches	**Well Volume (V) = Br 2 h (cf)**
Depth to Water: 6.40	**Well Volume*:** 1.20 gallons	B = pi (approx. 3.14)
Water Column (WC): 7.35		r = monitoring well radius in ft.
		h = height of the water column in ft.
		cf = conversion factor = 7.48 gal/ft^3

Time	Pump Rate (ml/min)	Turbidity (NTU)	Temperature (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments (note color or odors)
9:00	500	> 1000	18.8	1.181	0.35	7.00	-112.9	Dark color, no odor
9:05	500	88.92	17.0	1.118	0.32	6.63	-94.3	Clear color, no odor
9:10	500	200.29	16.9	1.102	0.30	6.60	-106.2	Clear color, no odor
9:15	500	206.95	18.5	1.128	0.27	6.60	-104.6	Dark color, no odor
9:20	500	208.32	18.4	1.171	0.27	6.75	-105.9	Dark color, no odor
9:25	500	> 1000	18.9	1.193	0.29	6.64	-79.7	Dark color, no odor
9:40	500	> 1000	18.5	1.182	0.26	6.58	-83.6	Dark color, no odor
9:45	500	103.04	19.2	1.201	0.28	6.58	-103.7	Cloudy color, no odor
9:50	500	97.94	19.4	1.209	0.26	6.65	-111.2	Cloudy color, no odor
9:55	500	> 1000	16.9	1.133	1.35	6.55	-86.9	Dark color, no odor
10:05	500	200.36	16.7	1.179	0.31	6.55	-100.2	Clear color, no odor
10:10	500	24.29	16.6	1.187	0.29	6.55	-101.3	Clear color, no odor
10:15	500	15.29	16.5	1.186	0.26	6.55	-104.2	Clear color, no odor
10:20	500	4.35	16.5	1.185	0.25	6.55	-109.7	Clear color, no odor
10:25	500	3.92	16.5	1.185	0.25	6.55	-110.2	Clear color, no odor
10:30	500	3.98	16.5	1.184	0.25	6.54	-110.9	Clear color, no odor

Total Volume Purged: 22 gallons (10 of 22 gallons with high silt content purged prior to readings)

For Surge Method: Purge until water quality parameters are stabile (within 10%) for three successive readings, and turbidity is less than 50 NTU for three successive readings.
For Bailer Method: Purge a minimum of three well volumes and water appears clear in the bailer.

Well Development Log

AKRF

Job No: 200283.11	**Client:** NYCSCA	**Well No:** RI-MW-17
Project Location: 46 Verona Street, Brooklyn, NY	**Sampled By:** S. Schmid, AKRF	
Date: 6/22/2022	**Time:** 11:00	
PID: 9.7 ppm	**LEL:** 0%	
Total Depth: 14.18	**Well Diameter:** 2 inches	**Well Volume (V) = Br 2 h (cf)**
Depth to Water: 5.93	**Well Volume*:** 1.34 gallons	B = pi (approx. 3.14) r = monitoring well radius in ft. h = height of the water column in ft. cf = conversion factor = 7.48 gal/ft^3
Water Column (WC): 8.25		

Time	Pump Rate (ml/min)	Turbidity (NTU)	Temperature (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments (note color or odors)
11:00	500	> 1000	17.1	1.263	4.52	6.91	-137.6	Dark color, no odor, high silt
11:10	500	> 1000	16.4	1.271	1.17	6.82	-133.4	Dark color, organic odor
11:20	500	763.17	16.6	1.279	0.77	6.79	-130.8	Dark color, organic odor
11:30	500	> 1000	16.6	1.281	0.46	6.77	-126.1	Dark color, organic odor
11:35	500	564.63	16.6	1.284	0.33	6.74	-121.6	Dark color, organic odor
11:40	500	261.14	16.6	1.28	0.31	6.71	-118.7	Organic odor
11:45	500	103.77	16.6	1.282	0.30	6.69	-118.2	Organic odor
11:50	500	47.80	16.5	1.279	0.33	6.68	-117.4	Organic odor
11:55	500	31.74	16.5	1.277	0.34	6.67	-115.4	Organic odor
12:00	500	28.98	6.6	1.280	0.30	6.65	-114.3	Organic odor

Total Volume Purged: 15 gallons (7 of 15 gallons with high silt content purged prior to readings)

For Surge Method: Purge until water quality parameters are stabile (within 10%) for three successive readings, and turbidity is less than 50 NTU for three successive readings.
For Bailer Method: Purge a minimum of three well volumes and water appears clear in the bailer.

AKRF

Well Development Log

Job No: 200283.11	**Client:** NYCSCA	**Well No:** RI-MW-25
Project Location: 46 Verona Street, Brooklyn, NY	**Sampled By:** C.Bearden, AKRF	
Date: 7/29/2022	**Time:** 9:36	
PID: 12.1 ppm	**LEL:** NA	
Total Depth: 15.23	**Well Diameter:** 2 inches	**Well Volume (V) = Br 2 h (cf)**
Depth to Water: 7.07	**Well Volume*:** 1.33 gallons	B = pi (approx. 3.14) r = monitoring well radius in ft. h = height of the water column in ft. cf = conversion factor = 7.48 gal/ft^3
Water Column (WC): 8.16		

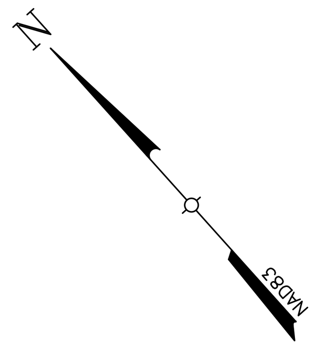
Time	Pump Rate (ml/min)	Turbidity (NTU)	Temperature (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments (note color or odors)
9:36	500	171	20.23	1.70	0.11	6.18	49	Slight petroleum-like odor
9:48	500	159	19.83	1.70	0.10	6.15	52	Slight petroleum-like odor
10:02	500	95.0	20.44	1.75	0.02	6.09	49	Slight petroleum-like odor

Total Volume Purged: 50 gallons

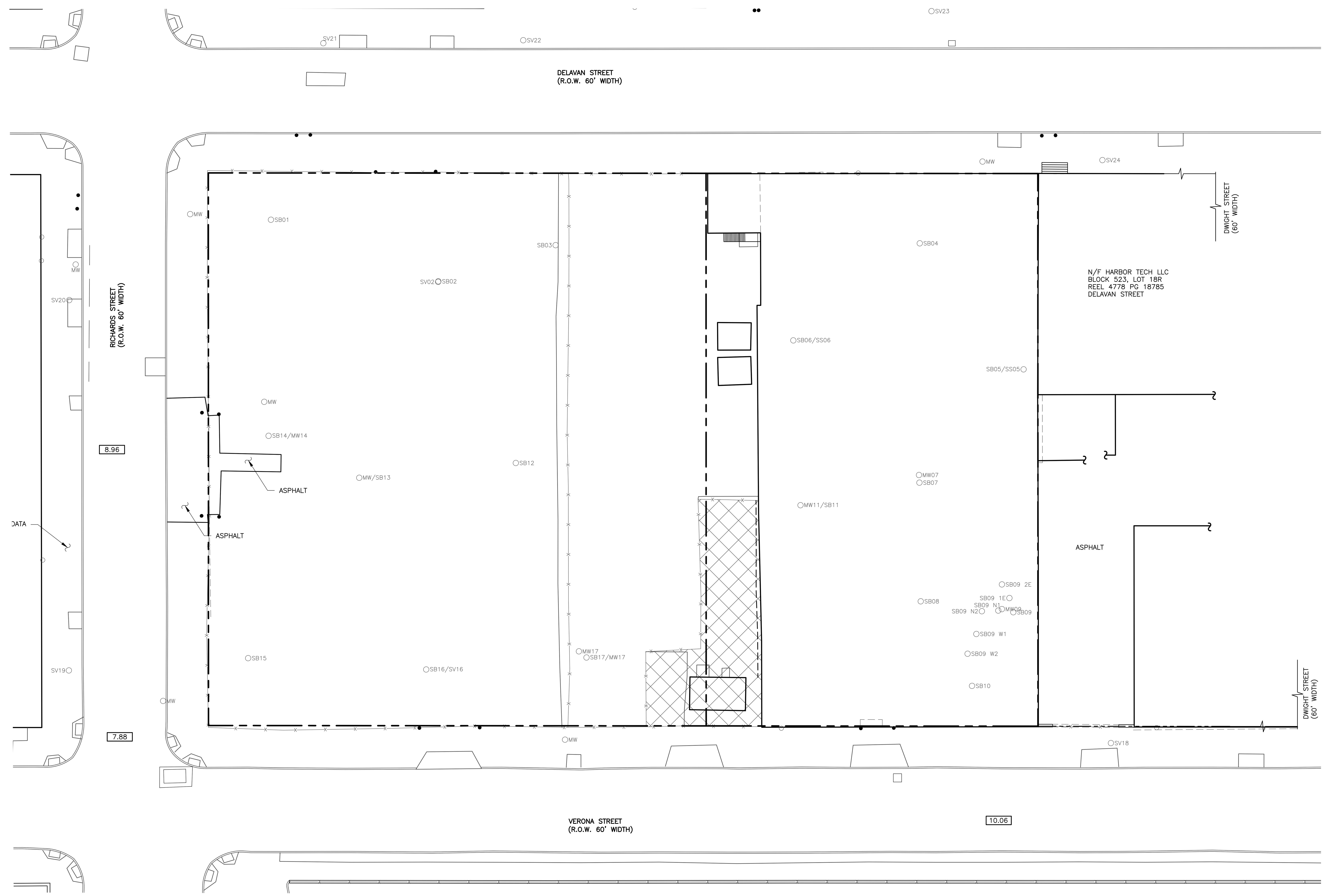
For Surge Method: Purge until water quality parameters are stabile (within 10%) for three successive readings, and turbidity is less than 50 NTU for three successive readings.
For Bailer Method: Purge a minimum of three well volumes and water appears clear in the bailer.

APPENDIX E

GROUNDWATER MONITORING WELL SURVEYS



DESCRIPTION	RIM ELEVATION	ELEVATION 2" PVC
MW 07	9.90	9.64
MW 09	10.47	10.21
MW 11	9.97	9.13
MW 13	9.09	9.61
MW 13/SB13	9.15	8.61
MW 17	9.20	8.44
SB01	8.49	8.32
SB02	8.70	
SB03	9.22	
SB04	9.78	
SB05	9.94	
SB06	9.91	
SB07	9.84	
SB08	10.44	
SB09	10.40	
SB09 1E	10.46	
SB09 2E	10.42	
SB09 N1	10.49	
SB09 N2	10.39	
SB09 W1	10.36	
SB09 W2	10.36	
SB10	10.35	
SB12	9.08	9.01
MW14/SB14	8.86	8.83
SB15	8.53	8.37
SB16/SV16	8.86	8.65
SB17	9.21	
SV02	8.42	
SV18	10.15	
SV19	7.55	
SV20	8.03	
SV21	7.51	
SV22	8.19	
SV23	9.73	
SV24	10.27	



LEGEND

- PROPERTY LINE
- ADJOINING PROPERTY LINE
- EASEMENT LINE
- INDEX CONTOUR LINE
- CONTOUR LINE
- CHAIN LINK FENCE
- CURB LINE
- EDGE OF CONCRETE
- EDGE OF GRAVEL
- EDGE OF PAVEMENT
- PAINTED TRAFFIC LINES
- STRUCTURE
- BOLLARD
- GATEPOST
- MW MONITORING WELL
- OV VENT

NYC School Construction Authority

Architecture & Engineering
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Design Consultant Management Studio
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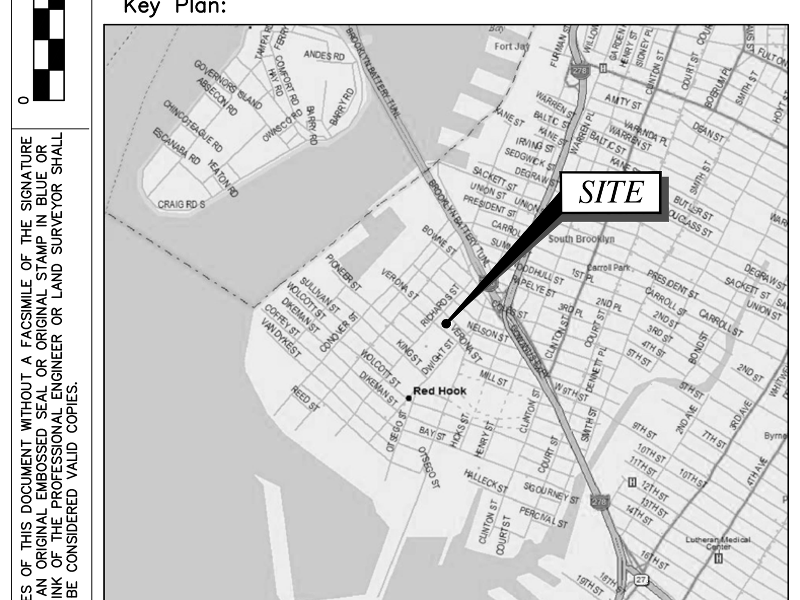
No.	Date	Revision
3	08/11/22	SURVEY UPDATE & UTILITY MARKOUT
2	04/14/22	ADD CERTIFICATION
1	06/16/21	SURVEY UPDATE
0	10/30/19	ISSUED

Key Plan:



Block 523 Lot 1&13R

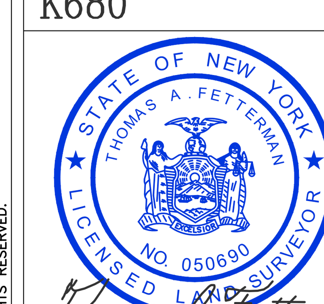
SCA Program Design Manager: –
Project Architect/Engineer: –
Discipline Lead: –
Designer: –
Drawn by: MT
Checked by: TAF

Design No or LLW No.:	Facility Code:	Date:
107988	K680	10/30/19

Project:
K680
FEASIBILITY STUDY

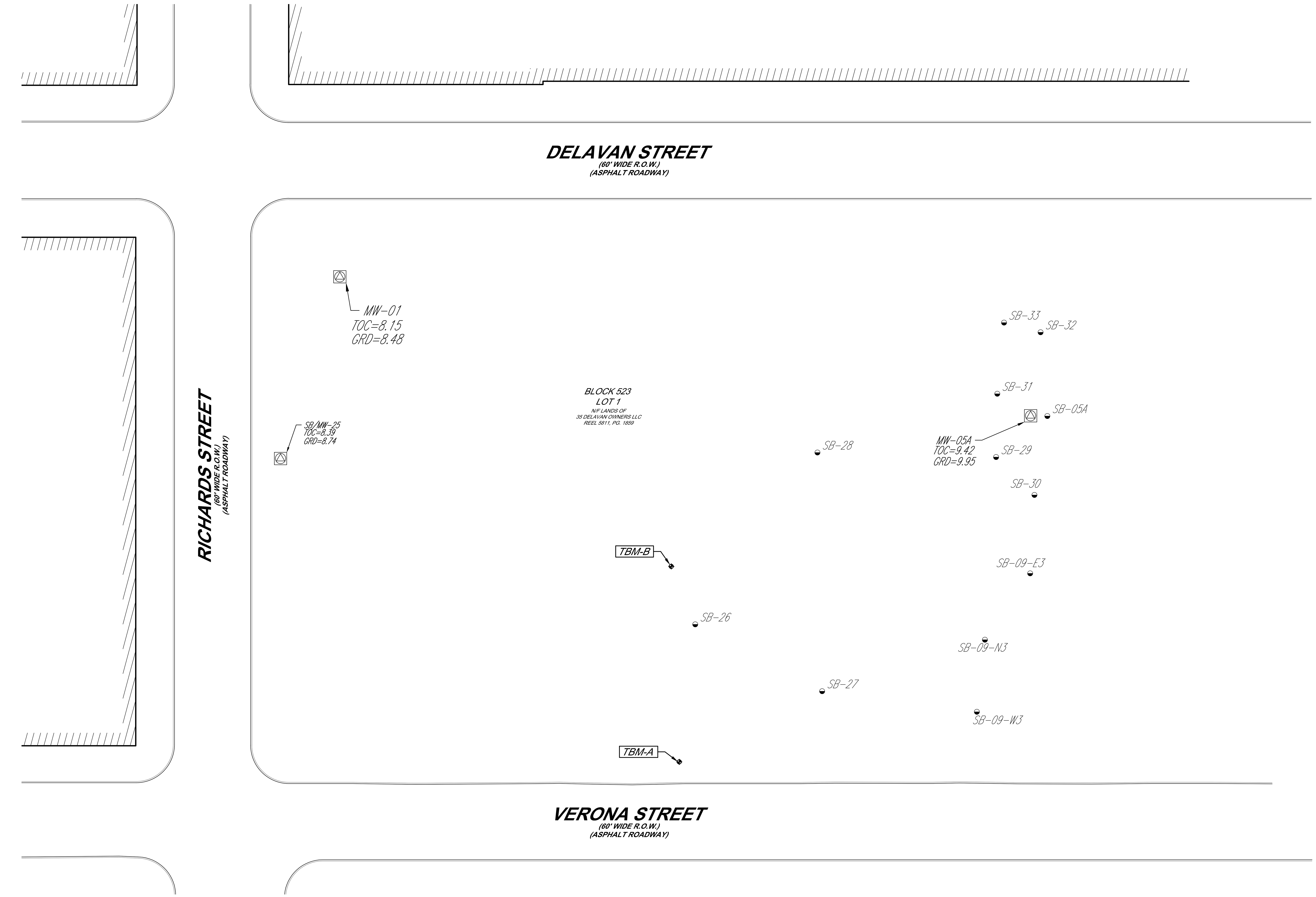
Address:
21-31 DELEVAN STREET
BOROUGH OF BROOKLYN, KINGS COUNTY, NY

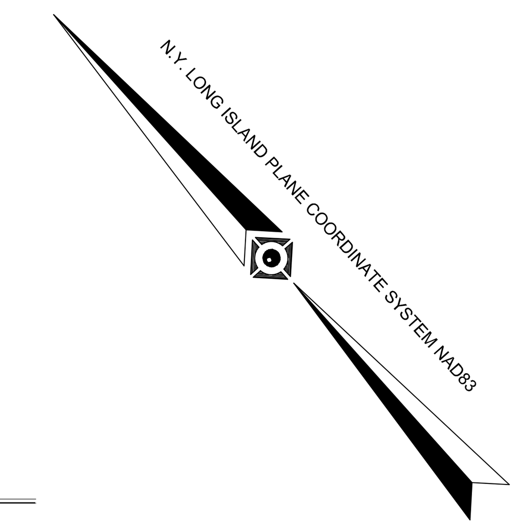
Drawing Title:
MONITORING WELL LOCATION PLAN
BLOCK 523, LOT 1&13R
K680

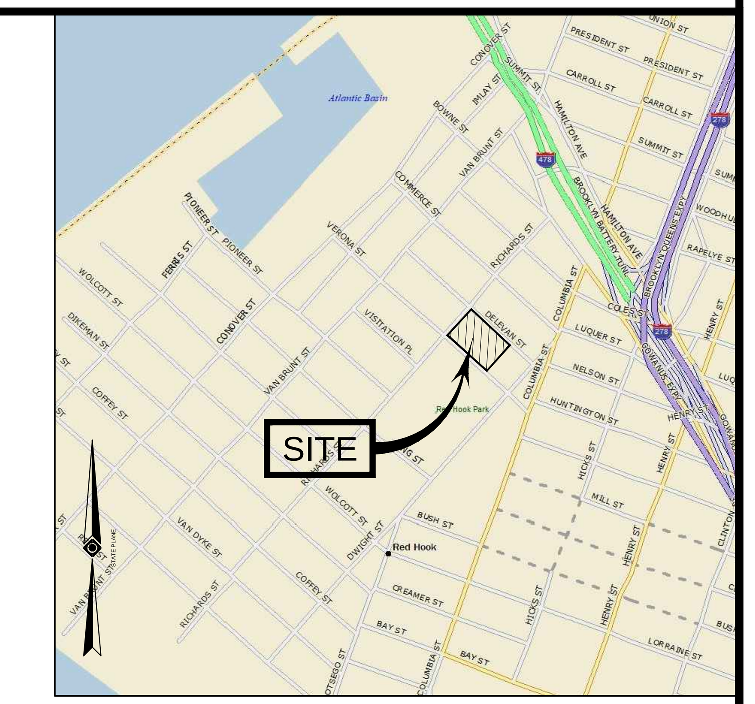


THOMAS A. FETTERMAN, P.L.S. 50690

Drawing No.: C-103
Drawing Scale: 1" = 20'
Sheets in Contract Set: 3 OF 3







VICINITY MAP
© 2021 ESRI WORLD LIGHT GRAY CANVAS
(NOT TO SCALE)

NOTES:

1. PROPERTY KNOWN AS LOTS 1 & 13, BLOCK 523, AS SHOWN ON THE NEW YORK CITY DIGITAL TAX MAP OF THE BROOKLYN, KINGS COUNTY, CITY AND STATE OF NEW YORK.

2. THIS PLAN IS BASED ON INFORMATION PROVIDED BY CLIENT, A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC., AND OTHER REFERENCE MATERIAL AS LISTED HEREON.

3. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.

4. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGPS).
   TEMPORARY BENCH MARKS SET:
   TBM-A: X-CUT SET IN CONCRETE, ELEVATION= 9.42'
   TBM-B: PK NAIL SET IN PAVEMENT, ELEVATION= 9.24'

   PRIOR TO CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BENCHMARKS ILLUSTRATED ON THIS SKETCH HAVE NOT BEEN DISTURBED AND THEIR ELEVATIONS HAVE BEEN CONFIRMED. ANY CONFLICTS MUST BE REPORTED PRIOR TO CONSTRUCTION.

5. THIS IS NOT A BOUNDARY SURVEY. THE SOLE PURPOSE OF THIS SURVEY IS TO DEPICT RECOVERED LOCATIONS AND ELEVATIONS OF MONITORING WELLS AND SOIL BORINGS AS DIRECTED BY CLIENT.

6. DATA DEPICTED ON THIS MAP FROM REFERENCE THREE (3) WAS NOT TIED IN PER STANDARD SURVEY PROCEDURE AND IS TO BE USED SOLELY FOR VISUAL PURPOSES.

REFERENCES:

1. THE NEW YORK CITY DIGITAL TAX MAP OF THE BROOKLYN, KINGS COUNTY, CITY AND STATE OF NEW YORK.

2. MAP ENTITLED "PROPOSED MIDDLE SCHOOL, 21-31 DELAVAN STREET & 35 DELAVAN STREET, BROOKLYN , NEWYORK, SITE PLAN AND SAMPLING LOCATIONS", PREPARED BY AKRF, DATED JULY 8, 2022.

3. MAP ENTITLED "TOPOGRAPHIC SURVEY, BLOCK 523, LOT 1&13R, K680" PREPARED BY TECTONIC ENGINEERING, DATED OCTOBER 30, 2019.

LEGEND

- MONITORING WELL ON CONC.
- SOIL BORING
- MW — MONITORING WELL
- TOC — TOP OF CASING
- TBM-A — BENCHMARKS

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

PREPARED BY:

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NO.	DATE	BY	DESCRIPTION	APPROVED

REVISIONS

PROJECT NAME

BLOCK 523, LOTS 1 & 13

21-35 DELAVAN STREET
BROOKLYN BOROUGH, KINGS COUNTY
CITY AND STATE OF NEW YORK

DRAWING TITLE

MONITORING WELL / SOIL BORINGS LOCATION SURVEY

SEAL & SIGNATURE

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09-02-2022
JAMES D. SENS DATE
NEW YORK PROFESSIONAL LAND SURVEYOR #050846

FIELD DATE:	08-24-22
FIELD BK:	22-20
F. B. PAGE:	111
DATE:	09-02-2022
SCALE:	1" = 20'
PROJECT No:	01-220338-00
DRAWING BY:	A.V.S.
CHK BY:	T.O.K.
APPROVED BY:	J.D.S.
DWG No:	V-001.0.0
CAD FILE No: 01-220338-00	PAGE No: 1 OF 1

APPENDIX F

GROUNDWATER SAMPLING LOGS

AKRF

Well Sampling Log

Job No: 200283.11	**Client:** NYSCA	**Well No:** RI-MW-01
Project Location: 46 Verona Street, Brooklyn NY	**Sampled By:** J.Sulich	
Date: 8/1/2022	**Sampling Time:** 9:45	
LEL at surface: NA		
PID at surface: 25.2 ppm		

Total Depth:	15.11 ft. below top of casing	**Water Column (WC):**	7.52 feet	*= 0.163 * WC for 2" wells
Depth to Water:	7.59 ft. below top of casing	**Well Volume*:**	1.23 gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	~2 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	5.11 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	15.11 ft. below top of casing	**Purging Device (pump type):**	Peristaltic Pump	
Approx. Pump Intake:	11.00 ft. below top of casing			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
9:05	7.59	100	20.07	1.01	0.00	6.38	23	27.7	Slight petroleum-like odor, no color or sheen.
9:10	7.59	100	20.30	0.997	0.00	6.40	12	23.5	
9:15	7.59	100	20.30	0.993	0.00	6.39	12	26.0	
9:20	7.59	100	20.31	0.992	0.00	6.38	10	25.7	
9:25	7.59	100	20.30	0.990	0.00	6.30	8	20.6	
9:30	7.59	100	20.33	0.995	0.00	6.38	7	15.8	
9:35	7.59	100	20.41	1.00	0.00	6.32	8	14.4	
9:40	7.59	100	20.32	1.00	0.00	6.36	5	15.2	
Sampling									
9:50	7.59	100	20.35	1.00	0.00	6.35	4	14.8	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs by EPA Method 8260.

AKRF

Well Sampling Log

Job No: 200283.11	**Client:** NYSCA	**Well No:**
Project Location: 46 Verona Street, Brooklyn NY	**Sampled By:** C.Bearden	**RI-MW-05A**
Date: 7/29/2022	**Sampling Time:** 11:00	
LEL at surface: NA		
PID at surface: 1.2 ppm		

Total Depth:	14.58 ft. below top of casing	**Water Column (WC):**	7.58 feet	*= 0.163 * WC for 2" wells
Depth to Water:	7.00 ft. below top of casing	**Well Volume*:**	1.24 gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	~2 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	4.58 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	14.58 ft. below top of casing	**Purging Device (pump type):**		
Approx. Pump Intake:	11.00 ft. below top of casing	Peristaltic Pump		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
10:45	7.00	100	18.63	1.49	0.10	6.12	-36	30.2	Slight petroleum-like odor, no color or sheen. Collected MS/MSD and duplicate sample RI-MW-X01_20220729.
10:50	7.00	100	18.51	1.51	0.08	6.07	-38	20.0	
10:55	7.00	100	18.45	1.52	0.02	6.06	-39	12.5	
Sampling									
11:05	7.00	100	18.34	1.47	0.01	6.08	-45	6.9	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs by EPA Method 8260.

Well Sampling Log

Job No: 200283.11	**Client:** NYSCA	**Well No:** RI-MW-09
Project Location: 46 Verona Street, Brooklyn NY	**Sampled By:** S.Schmid and H. Thompson	
Date: 6/30/2022	**Sampling Time:** 12:35	
LEL at surface: ND		
PID at surface: 2.4 ppm		

Total Depth:	18.15 ft. below top of casing	**Water Column (WC):**	10.65 feet	*= 0.163 * WC for 2" wells
Depth to Water:	7.50 ft. below top of casing	**Well Volume*:**	1.74 gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	~1.5 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	3.15 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	18.15 ft. below top of casing	**Purging Device (pump type):**		
Approx. Pump Intake:	13.00 ft. below top of casing		Peristaltic Pump	

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
11:55	7.50	100	15.5	2.100	0.49	7.34	-132.9	90.36	
12:00	7.50	100	15.6	2.080	0.27	7.01	-133.4	32.32	
12:05	7.50	100	15.6	2.096	0.22	6.98	-137.3	18.48	
12:10	7.50	100	15.5	2.094	0.17	6.95	-141.9	11.64	
12:15	7.50	100	15.5	2.093	0.15	6.94	-144.2	12.33	
12:20	7.50	100	15.6	2.087	0.13	6.94	-148.0	14.00	
12:25	7.50	100	15.7	2.079	0.13	6.93	-148.6	14.42	
12:30	7.50	100	15.5	2.078	0.13	6.94	-149.4	15.16	No color, odor, or sheen.
Sampling									
13:00	7.50	100	15.5	2.077	0.13	6.93	-150.4	16.21	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Total and Dissolved Metals by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270 SIM, and PFAS by EPA Method 537.1.

Well Sampling Log

Job No: 200283.11	**Client:** NYSCA	**Well No:**
Project Location: 46 Verona Street, Brooklyn NY	**Sampled By:** S.Schmid and H. Thompson	**RI-MW-11**
Date: 6/30/2022	**Sampling Time:** 14:35	
LEL at surface: ND		
PID at surface: 25.7 ppm		

Total Depth:	13.56 ft. below top of casing	**Water Column (WC):**	7.33 feet	*= 0.163 * WC for 2" wells
Depth to Water:	6.23 ft. below top of casing	**Well Volume*:**	1.19 gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	~1 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	3.56 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	13.56 ft. below top of casing	**Purging Device (pump type):**		
Approx. Pump Intake:	9.00 ft. below top of casing	Peristaltic Pump		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
14:05	6.23	100	14.4	1.126	1.89	8.06	-81.9	31.47	
14:10	6.23	100	14.1	1.132	0.57	7.66	-112.8	26.24	
14:15	6.23	100	14.0	1.151	0.38	7.61	-121.8	11.64	
14:20	6.23	100	14.0	1.139	0.34	7.61	-127.6	11.48	
14:25	6.23	100	14.1	1.143	0.30	7.64	-135.1	12.46	
14:30	6.23	100	14.3	1.134	0.25	7.67	-134.6	9.11	
Sampling									
15:00	6.23	100	14.5	1.131	0.57	7.66	-133.9	29.13	No color, odor, or sheen.
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Total and Dissolved Metals by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270 SIM, and PFAS by EPA Method 537.1.

Well Sampling Log

Job No: 200283.11	**Client:** NYSCA	**Well No:** RI-MW-13
Project Location: 46 Verona Street, Brooklyn NY	**Sampled By:** S.Schmid and H. Thompson	
Date: 6/30/2022	**Sampling Time:** 10:00	
LEL at surface: 4%		
PID at surface: 9.6 ppm		

Total Depth:	14.10 ft. below top of casing	**Water Column (WC):**	7.60 feet	*= 0.163 * WC for 2" wells
Depth to Water:	6.50 ft. below top of casing	**Well Volume*:**	1.24 gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	~1.25 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	4.10 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	14.10 ft. below top of casing	**Purging Device (pump type):**	Peristaltic Pump	
Approx. Pump Intake:	10.00 ft. below top of casing			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
8:25	6.50	100	18.7	2.133	2.40	7.65	-122.1	64.97	No color or sheen. Organic-like odor. Collected MS/MSD.
8:30	6.50	100	19.2	2.110	1.45	7.45	-129.4	77.25	
8:35	6.50	100	19.2	2.161	0.28	7.08	-130.5	46.59	
8:40	6.50	100	19.2	2.178	0.29	7.07	-133.3	31.71	
8:45	6.50	100	19.3	2.222	0.20	7.09	-135.2	39.61	
8:50	6.50	100	19.3	2.225	0.17	6.95	-135.5	36.75	
8:55	6.50	100	19.3	2.240	0.16	6.93	-135.4	30.16	
9:00	6.50	100	19.3	2.253	0.16	6.92	-135.4	28.82	
9:05	6.50	100	19.4	2.277	0.15	6.91	-135.3	25.13	
9:10	6.50	100	19.4	2.295	0.15	6.90	-135.3	22.40	
Pause, then sample at 10:00 due to short hexavalent chromium hold time									
11:20	6.50	100	19.9	2.306	0.27	6.94	-133.2	28.60	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Total and Dissolved Metals by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270 SIM, and PFAS by EPA Method 537.1.

Well Sampling Log

Job No: 200283.11	**Client:** NYSCA	**Well No:** RI-MW-14
Project Location: 46 Verona Street, Brooklyn NY	**Sampled By:** S.Schmid and H. Thompson	
Date: 6/30/2022	**Sampling Time:** 10:00	
LEL at surface: ND		
PID at surface: 9.0 ppm		

Total Depth:	12.95 ft. below top of casing	**Water Column (WC):**	6.44 feet	*= 0.163 * WC for 2" wells
Depth to Water:	6.51 ft. below top of casing	**Well Volume*:**	1.05 gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	~1.25 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	2.95 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	12.95 ft. below top of casing	**Purging Device (pump type):**	Peristaltic Pump	
Approx. Pump Intake:	10.00 ft. below top of casing			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
8:20	6.51	100	19.0	1.117	3.90	6.72	-27.0	103.98	No color, odor, or sheen. Collected duplicate sample RI-MW-X_20220630.
8:25	6.51	100	18.6	1.127	0.35	6.75	-58.0	30.10	
8:30	6.51	100	18.6	1.127	0.28	6.78	-64.8	13.09	
8:35	6.51	100	18.6	1.152	0.23	6.80	-69.0	11.62	
8:40	6.51	100	18.4	1.154	0.20	6.80	-73.5	11.70	
8:45	6.51	100	18.6	1.178	0.19	6.81	-80.5	16.99	
8:50	6.51	100	18.7	1.190	0.18	6.81	-87.1	22.25	
8:55	6.51	100	18.9	1.204	0.17	6.81	-93.6	35.40	
9:00	6.51	100	18.9	1.210	0.17	6.81	-94.2	33.61	
9:05	6.51	100	18.9	1.207	0.17	6.81	-95.6	31.23	
9:10	6.51	100	18.9	1.210	0.17	6.81	-97.2	42.61	
Pause, then sample at 10:00 due to short hexavalent chromium hold time									
11:00	6.51	100	18.9	1.112	0.33	6.84	-99.1	47.33	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Total and Dissolved Metals by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270 SIM, and PFAS by EPA Method 537.1.

AKRF Well Sampling Log

Job No: 200283.11	**Client:** NYSCA	**Well No:** RI-MW-17
Project Location: 46 Verona Street, Brooklyn NY	**Sampled By:** S.Schmid and H. Thompson	
Date: 6/30/2022	**Sampling Time:** 12:20	
LEL at surface: 4%		
PID at surface: 4.8 ppm		

Total Depth:	13.60 ft. below top of casing	**Water Column (WC):**	7.40 feet	*= 0.163 * WC for 2" wells
Depth to Water:	6.20 ft. below top of casing	**Well Volume*:**	1.21 gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	~1.5 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	3.60 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	13.60 ft. below top of casing	**Purging Device (pump type):**		
Approx. Pump Intake:	10.00 ft. below top of casing		Peristaltic Pump	

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
11:35	6.20	100	20.6	0.655	2.30	7.43	-113.4	251.11	No color, odor, or sheen.
11:40	6.20	100	19.6	0.615	0.62	7.40	-110.3	329.04	
11:45	6.20	100	19.2	0.605	0.30	7.36	-109.1	209.05	
11:50	6.20	100	19.1	0.605	0.26	7.33	-107.5	200.73	
11:55	6.20	100	19.0	0.607	0.23	7.30	-105.9	143.25	
12:00	6.20	100	19.0	0.609	0.22	7.28	-106.3	80.14	
12:05	6.20	100	19.2	0.615	0.20	7.24	-105.6	80.23	
12:10	6.20	100	19.1	0.615	0.19	7.23	-105.5	46.23	
12:15	6.20	100	19.2	0.619	0.19	7.21	-104.9	42.19	
12:20	6.20	100	19.3	0.626	0.18	7.20	-106.2	38.62	
Sampling									
12:45	6.20	100	19.1	0.617	0.19	7.20	-108.1	32.19	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, Total and Dissolved Metals by EPA 6000/7000 series, 1,4-Dioxane by EPA Method 8270 SIM, and PFAS by EPA Method 537.1.

Well Sampling Log

Job No: 200283.11	**Client:** NYSCA	**Well No:** RI-MW-25
Project Location: 46 Verona Street, Brooklyn NY	**Sampled By:** J.Sulich	
Date: 8/1/2022	**Sampling Time:** 8:35	
LEL at surface: NA		
PID at surface: 11.4 ppm		

Total Depth:	15.19 ft. below top of casing	**Water Column (WC):**	8.16 feet	*= 0.163 * WC for 2" wells
Depth to Water:	7.03 ft. below top of casing	**Well Volume*:**	1.33 gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	~2 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	5.19 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	15.19 ft. below top of casing	**Purging Device (pump type):**		
Approx. Pump Intake:	11.00 ft. below top of casing		Peristaltic Pump	

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
8:00	7.03	100	20.98	1.72	0.03	6.62	35	45.5	Slight petroleum-like odor, no color or sheen.
8:05	7.03	100	19.95	1.75	0.00	6.50	27	39.0	
8:10	7.03	100	19.66	1.75	0.00	6.42	29	45.8	
8:15	7.03	100	19.73	1.73	0.00	6.40	28	40.3	
8:20	7.03	100	19.87	1.74	0.00	6.37	29	35.7	
8:25	7.03	100	19.27	1.73	0.00	6.38	28	32.8	
8:30	7.03	100	19.11	1.73	0.00	6.36	26	31.4	
Sampling									
8:40	7.03	100	28.85	1.68	0.00	6.35	25	14.7	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs by EPA Method 8260 and SVOCs by EPA Method 8270.

APPENDIX G

TEMPORARY SOIL VAPOR POINT SAMPLING LOGS

Soil Vapor Sample Log

AKRF Project No:	200283.11		**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY		**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA		**Sampled By:**	C.Bearden, AKRF
Date:	7/28/2022		**Weather:**	~90°F Partly Cloudy, 3 mph N wind

Sample Setup

Vapor Point Depth:	60	Inches	**Total Time of Purge:**	~10 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~2L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		4.8	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-02	**SUMMA® Canister ID:**	4371
Flow Controller ID:	3997	**Soil Vapor Sample ID:**	RI-SV-02_20220728

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	8:56	-26	0.5 ppm	None
Time Halfway:	12:13	-16	0.9 ppm	None
Time Stopped:	15:15	-6	ND	None

Notes:	*Purge flow rate not to exceed 0.2 L/min.
	ND = non-detect ppm = parts per million L/min = Liters per minute
	Soil vapor sample RI-SV-02_20220728 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA	**Sampled By:**	S.Schmid, AKRF
Date:	6/22/2022	**Weather:**	~65°F Cloudy and Showers, 8 mph E wind

Sample Setup

Vapor Point Depth:	12	Inches	**Total Time of Purge:**	~9.5 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~1.86L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		12.1	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-05	**SUMMA® Canister ID:**	3275
Flow Controller ID:	2934	**Soil Vapor Sample ID:**	RI-SV-05_20220622

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	9:33	-28	ND	None
Time Halfway:	13:33	-16	ND	None
Time Stopped:	17:13	-6	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect   ppm = parts per million   L/min = Liters per minute

Soil vapor sample RI-SV-05_20220622 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA	**Sampled By:**	S.Schmid, AKRF
Date:	6/22/2022	**Weather:**	~65°F Cloudy and Showers, 8 mph E wind

Sample Setup

Vapor Point Depth:	12	Inches	**Total Time of Purge:**	~9.5 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~1.86L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		3.7	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-06	**SUMMA® Canister ID:**	3505
Flow Controller ID:	6557	**Soil Vapor Sample ID:**	RI-SV-06_20220622

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	9:34	-30	ND	None
Time Halfway:	13:34	-18	ND	None
Time Stopped:	17:34	-7	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-06_20220622 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA	**Sampled By:**	S.Schmid, AKRF
Date:	6/22/2022	**Weather:**	~65°F Cloudy and Showers, 8 mph E wind

Sample Setup

Vapor Point Depth:	12	Inches	**Total Time of Purge:**	~9.5 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~1.86L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		9.3	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-07	**SUMMA® Canister ID:**	3432
Flow Controller ID:	4993	**Soil Vapor Sample ID:**	RI-SV-07_20220622

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	9:31	-30	ND	None
Time Halfway:	13:31	-19	ND	None
Time Stopped:	17:31	-8	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-07_20220622 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA	**Sampled By:**	S.Schmid, AKRF
Date:	6/22/2022	**Weather:**	~65°F Cloudy and Showers, 8 mph E wind

Sample Setup

Vapor Point Depth:	12	Inches	**Total Time of Purge:**	~9.5 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~1.86L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		40.7	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-09	**SUMMA® Canister ID:**	2874
Flow Controller ID:	3375	**Soil Vapor Sample ID:**	RI-SV-09_20220622

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	9:30	-27	ND	None
Time Halfway:	13:30	-14	ND	None
Time Stopped:	17:00	-7	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect   ppm = parts per million   L/min = Liters per minute

Soil vapor sample RI-SV-09_20220622 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA	**Sampled By:**	S.Schmid, AKRF
Date:	6/22/2022	**Weather:**	~65°F Cloudy and Showers, 8 mph E wind

Sample Setup

Vapor Point Depth:	60	Inches	**Total Time of Purge:**	~9.5 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~1.91L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		4.2	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-13	**SUMMA® Canister ID:**	2989
Flow Controller ID:	6113	**Soil Vapor Sample ID:**	RI-SV-13_20220622

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	9:38	-30	ND	None
Time Halfway:	13:38	-18	ND	None
Time Stopped:	17:38	-7	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-13_20220622 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA	**Sampled By:**	S.Schmid, AKRF
Date:	6/22/2022	**Weather:**	~65°F Cloudy and Showers, 8 mph E wind

Sample Setup

Vapor Point Depth:	60	Inches	**Total Time of Purge:**	~9.5 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~1.91L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		3.0	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-14	**SUMMA® Canister ID:**	2598
Flow Controller ID:	8670	**Soil Vapor Sample ID:**	RI-SV-14_20220622

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	9:40	-26	ND	None
Time Halfway:	13:40	-14	ND	None
Time Stopped:	16:40	-7	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-14_20220622 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11		**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY		**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA		**Sampled By:**	S.Schmid, AKRF
Date:	6/22/2022		**Weather:**	~65°F Cloudy and Showers, 8 mph E wind

Sample Setup

Vapor Point Depth:	60	Inches	**Total Time of Purge:**	~9.5 minutes	
Purging Pump:	Gilair Plus		**Purge Volume:**	~1.91L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	4.6	ppm
			Helium Concentration:	0	%

Sample Identification

Soil Vapor Point ID:	SV-16	**SUMMA® Canister ID:**	2741
Flow Controller ID:	3062	**Soil Vapor Sample ID:**	RI-SV-16_20220622

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	9:37	-29	ND	None
Time Halfway:	13:37	-15	ND	None
Time Stopped:	17:07	-7	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-16_20220622 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA	**Sampled By:**	S.Schmid, AKRF
Date:	6/22/2022	**Weather:**	~65°F Cloudy and Showers, 8 mph E wind

Sample Setup

Vapor Point Depth:	60	Inches	**Total Time of Purge:**	~9.5 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~1.91L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		5.8	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-17	**SUMMA® Canister ID:**	2737
Flow Controller ID:	5219	**Soil Vapor Sample ID:**	RI-SV-17_20220622

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	9:36	-29	ND	None
Time Halfway:	13:36	-17	ND	None
Time Stopped:	17:36	-6	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-17 20220622 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Hammer Drill
Client:	NYCSCA	**Sampled By:**	S.Schmid, AKRF
Date:	6/21/2022	**Weather:**	~75°F Partly Cloudy, 1 mph N wind

Sample Setup

Vapor Point Depth:	60	Inches	**Total Time of Purge:**	~5 minutes	
Purging Pump:	Gilair Plus		**Purge Volume:**	~1L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	13.9	ppm
			Helium Concentration:	0	%

Sample Identification

Soil Vapor Point ID:	SV-18	**SUMMA® Canister ID:**	2615
Flow Controller ID:	6555	**Soil Vapor Sample ID:**	RI-SV-18_20220621

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	10:45	-30	ND	None
Time Halfway:	14:45	-18	ND	None
Time Stopped:	18:45	-6	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-18_20220621 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11		**Point Installed By:**	Cascade Environmental	
Project Location:	46 Verona Street Brooklyn, NY		**Installation Method:**	Hammer Drill	
Client:	NYCSCA		**Sampled By:**	S.Schmid, AKRF	
Date:	6/21/2022		**Weather:**	~75°F Partly Cloudy, 1 mph N wind	

Sample Setup

Vapor Point Depth:	60	Inches	**Total Time of Purge:**	~5 minutes	
Purging Pump:	Gilair Plus		**Purge Volume:**	~1L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	19.9	ppm
			Helium Concentration:	0	%

Sample Identification

Soil Vapor Point ID:	SV-19	**SUMMA® Canister ID:**	34001039
Flow Controller ID:	8920	**Soil Vapor Sample ID:**	RI-SV-19_20220621

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	10:52	-30	ND	None
Time Halfway:	14:52	-18	ND	None
Time Stopped:	18:52	-8	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-19_20220621 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Hammer Drill
Client:	NYCSCA	**Sampled By:**	S.Schmid, AKRF
Date:	6/21/2022	**Weather:**	~75°F Partly Cloudy, 1 mph N wind

Sample Setup

Vapor Point Depth:	60	Inches	**Total Time of Purge:**	~5 minutes	
Purging Pump:	Gilair Plus		**Purge Volume:**	~1L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	15.7	ppm
			Helium Concentration:	0	%

Sample Identification

Soil Vapor Point ID:	SV-20	**SUMMA® Canister ID:**	4802
Flow Controller ID:	3720	**Soil Vapor Sample ID:**	RI-SV-20_20220621

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	10:15	-28	ND	None
Time Halfway:	14:51	-17	ND	None
Time Stopped:	18:00	-6	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-20_20220621 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Hammer Drill
Client:	NYCSCA	**Sampled By:**	S.Schmid, AKRF
Date:	6/21/2022	**Weather:**	~75°F Partly Cloudy, 1 mph N wind

Sample Setup

Vapor Point Depth:	60	Inches	**Total Time of Purge:**	~5 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~1L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		9.1	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-21	**SUMMA® Canister ID:**	2955
Flow Controller ID:	3059	**Soil Vapor Sample ID:**	RI-SV-21_20220621

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	10:50	-29	ND	None
Time Halfway:	14:50	-19	ND	None
Time Stopped:	18:02	-6	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-21_20220621 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11		**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY		**Installation Method:**	Hammer Drill
Client:	NYCSCA		**Sampled By:**	S.Schmid, AKRF
Date:	6/21/2022		**Weather:**	~75°F Partly Cloudy, 1 mph N wind

Sample Setup

Vapor Point Depth:	60	Inches	**Total Time of Purge:**	~5 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~1L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		9.5	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-22	**SUMMA® Canister ID:**	4476
Flow Controller ID:	4501	**Soil Vapor Sample ID:**	RI-SV-22_20220621

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	10:49	-30	ND	None
Time Halfway:	14:49	-20	ND	None
Time Stopped:	18:49	-8	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-22_20220621 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Hammer Drill
Client:	NYCSCA	**Sampled By:**	S.Schmid, AKRF
Date:	6/21/2022	**Weather:**	~75°F Partly Cloudy, 1 mph N wind

Sample Setup

Vapor Point Depth:	60	Inches	**Total Time of Purge:**	~5 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~1L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		11.6	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-23	**SUMMA® Canister ID:**	4225
Flow Controller ID:	3443	**Soil Vapor Sample ID:**	RI-SV-23_20220621

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	10:48	-30	ND	None
Time Halfway:	14:48	-22	ND	None
Time Stopped:	18:48	-9	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-23_20220621 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Hammer Drill
Client:	NYCSCA	**Sampled By:**	S.Schmid, AKRF
Date:	6/21/2022	**Weather:**	~75°F Partly Cloudy, 1 mph N wind

Sample Setup

Vapor Point Depth:	60	Inches	**Total Time of Purge:**	~5 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~1L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		10.7	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-24	**SUMMA® Canister ID:**	5134
Flow Controller ID:	4031	**Soil Vapor Sample ID:**	RI-SV-24_20220621

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	10:47	-30	ND	None
Time Halfway:	14:47	-17	ND	None
Time Stopped:	17:47	-6	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-24_20220621 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA	**Sampled By:**	C.Bearden, AKRF
Date:	7/28/2022	**Weather:**	~90°F Partly Cloudy, 3 mph N wind

Sample Setup

Vapor Point Depth:	6	Inches	**Total Time of Purge:**	~10 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~2L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		4.5	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-29	**SUMMA® Canister ID:**	2537
Flow Controller ID:	5176	**Soil Vapor Sample ID:**	RI-SV-29_20220728

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	7:57	-30	0.3 ppm	None
Time Halfway:	12:07	-20	1.5 ppm	None
Time Stopped:	15:57	-8	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-29_20220728 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA	**Sampled By:**	C.Bearden, AKRF
Date:	7/28/2022	**Weather:**	~90°F Partly Cloudy, 3 mph N wind

Sample Setup

Vapor Point Depth:	6	Inches	**Total Time of Purge:**	~10 minutes	
Purging Pump:	Gilair Plus		**Purge Volume:**	~2L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	2.2	ppm
			Helium Concentration:	0	%

Sample Identification

Soil Vapor Point ID:	SV-30	**SUMMA® Canister ID:**	2699
Flow Controller ID:	2616	**Soil Vapor Sample ID:**	RI-SV-30_20220728

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	7:47	-27	0.1 ppm	None
Time Halfway:	12:06	-14	1.2 ppm	None
Time Stopped:	14:45	-6	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-30_20220728 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA	**Sampled By:**	C.Bearden, AKRF
Date:	7/28/2022	**Weather:**	~90°F Partly Cloudy, 3 mph N wind

Sample Setup

Vapor Point Depth:	6	Inches	**Total Time of Purge:**	~10 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~2L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		7.9	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-31	**SUMMA® Canister ID:**	5403
Flow Controller ID:	4501	**Soil Vapor Sample ID:**	RI-SV-31_20220728

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	8:10	-30	0.3 ppm	None
Time Halfway:	12:08	-16	1.5 ppm	None
Time Stopped:	15:45	-7	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-31_20220728 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11		**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY		**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA		**Sampled By:**	C.Bearden, AKRF
Date:	7/28/2022		**Weather:**	~90°F Partly Cloudy, 3 mph N wind

Sample Setup

Vapor Point Depth:	6	Inches	**Total Time of Purge:**	~10 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~2L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		5.8	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-32	**SUMMA® Canister ID:**	2781
Flow Controller ID:	3743	**Soil Vapor Sample ID:**	RI-SV-32_20220728

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	8:21	-30	0.2 ppm	None
Time Halfway:	12:08	-20	1.4 ppm	None
Time Stopped:	16:21	-7	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect   ppm = parts per million   L/min = Liters per minute

Soil vapor sample RI-SV-32_20220728 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	200283.11	**Point Installed By:**	Cascade Environmental
Project Location:	46 Verona Street Brooklyn, NY	**Installation Method:**	Geoprobe 6610 DT
Client:	NYCSCA	**Sampled By:**	C.Bearden, AKRF
Date:	7/28/2022	**Weather:**	~90°F Partly Cloudy, 3 mph N wind

Sample Setup

Vapor Point Depth:	6	Inches	**Total Time of Purge:**	~10 minutes		
Purging Pump:	Gilair Plus		**Purge Volume:**	~2L		
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**		2.4	ppm
			Helium Concentration:		0	%

Sample Identification

Soil Vapor Point ID:	SV-33	**SUMMA® Canister ID:**	4432
Flow Controller ID:	3935	**Soil Vapor Sample ID:**	RI-SV-33_20220728

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	8:32	-30	0.3 ppm	None
Time Halfway:	12:09	-13	1.4 ppm	None
Time Stopped:	14:50	-6	ND	None

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample RI-SV-33_20220728 collected in a 6-L SUMMA® canister using an 8-hour flow controller.

Ambient Air Sample Log

AKRF Project No:	200283.11	**Client:**	NYCSCA
Project Location:	46 Verona Street Brooklyn, NY	**Sampled By:**	S.Schmid, AKRF
Date:	6/21/2022	**Weather:**	~75°F Partly Cloudy, 1 mph N wind

Sample Setup

Sample Identification

On-Site Location:	Western Portion of Site	**SUMMA® Canister ID:**	2861
Flow Controller ID:	4042	**Ambient Air Sample ID:**	RI-AA-01_20220621

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Potential VOC Sources/Notes**
Time Started:	10:55	-29	ND	None
Time Halfway:	14:55	-18	ND	None
Time Stopped:	18:55	-8	ND	None

Notes:	ND = non-detect	ppm = parts per million	L/min = Liters per minute
	Ambient air sample RI-AA-01_20220621 collected in a 6-L SUMMA® canister using an 8-hour flow contro		

Ambient Air Sample Log

AKRF Project No:	200283.11	**Client:**	NYCSCA
Project Location:	46 Verona Street Brooklyn, NY	**Sampled By:**	S.Schmid, AKRF
Date:	6/22/2022	**Weather:**	~65°F Cloudy and Showers, 8 mph E wind

Sample Setup

Sample Identification

On-Site Location:	Western Portion of Site	**SUMMA® Canister ID:**	4278
Flow Controller ID:	4178	**Ambient Air Sample ID:**	RI-AA-01_20220622

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Potential VOC Sources/Notes**
Time Started:	9:41	-28	ND	None
Time Halfway:	13:41	-14	ND	None
Time Stopped:	16:41	-6	ND	None

Notes:	ND = non-detect	ppm = parts per million	L/min = Liters per minute
	Ambient air sample RI-AA-01_20220622 collected in a 6-L SUMMA® canister using an 8-hour flow contro		

APPENDIX H

LABORATORY DATA DELIVERABLES AND DATA USABILITY SUMMARY REPORTS

APPENDIX I

IDW DISPOSAL MANIFEST

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
Not required	1	631-608-8810	2452-101922

5. Generator's Name and Mailing Address

NYC School Construction Authority
30-30 Thomson Avenue
Queens NY 11101

Generator's Phone: 718

Generator's Site Address (if different than mailing address)

K680
31 Delavan Street
Brooklyn NY 11231

6. Transporter 1 Company Name: Brookside Environmental, Inc. — U.S. EPA ID Number: NYR000081661

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address

Clean Water of New York
3249 Richmond Terrace
Staten Island NY 10303

Facility's Phone: 718 981-4600

U.S. EPA ID Number: NYD000968545

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-regulated waste, solid	7	DM	2100	P
2. Non-regulated waste, liquid	6	DM	300	G
3.				
4.				

13. Special Handling Instructions and Additional Information

1) Soil. Approval # 237-430 2) Oily water. Approval # 237-429

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Tim Tabor	[signature]	10	24	22

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

	Printed/Typed Name	Signature	Month	Day	Year
Transporter 1	Oscar Peralto	[signature]	10	24	22
Transporter 2					

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Mathew Walling	[signature]	10	24	22

GENERATOR · INT'L · TRANSPORTER · DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09) **TRANSPORTER #1**